Bhagwan Mahavir University

Internal Quality Assurance Cell (IQAC)

Annual College Report

Academic Year 2024-2025

Presented by

Bhagwan Mahavir College of Basic and Applied Sciences

Principal: **Dr. Amit Saxena**

Address: **Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan mahavir University, Surat - 395007**

Submitted to

Internal Quality Assurance Cell, Bhagwan Mahavir University

Surat, Gujarat

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SECTION I: GENERAL INFORMATION

1. Institutional Information

Vision

To foster scholarly excellence in teaching, research, consultancy, and training, equipping undergraduate and postgraduate learners with advanced scientific knowledge, practical skills, and a strong ethical framework.

Mission

- To impart strong foundational knowledge in basic sciences through innovative and student-centric teaching.
- To promote interdisciplinary research and practical skills in Basic and Allied Sciences.
- To cultivate scientific curiosity, critical thinking, and problem-solving abilities.
- To instill ethical values, social responsibility, and a commitment to lifelong learning.
- To prepare students for dynamic careers in academics, research, healthcare, and industry at national and global levels.

Objectives

The academic and developmental objectives of Bhagwan Mahavir College of Basic and Applied Sciences are aligned with its Vision and Mission, and guide every facet of curricular planning and delivery:

- To provide students with a strong foundation in core scientific disciplines and develop their theoretical and practical competencies.
- To promote interdisciplinary and applied learning that bridges the gap between basic sciences and real-world scientific challenges.
- To inculcate critical thinking, ethical reasoning, and problem-solving skills, enabling students to become socially responsible professionals.

- To develop research aptitude and innovation capacity among students through guided project work, lab-based learning, and extension activities.
- To empower students to pursue diverse career paths in academia, research, healthcare, industry, and entrepreneurship.
- To adapt to curricular reforms such as NEP 2020, ensuring the adoption of flexible, inclusive, and forward-looking education models.

Institutional Profile

Bhagwan Mahavir College of Science and Technology initially operated as an affiliated institution of Veer Narmad South Gujarat University (VNSGU) since its establishment in 2007. In 2019, with the founding of **Bhagwan Mahavir University** as a private institution, the college launched two academic programs: the Master of Science in Organic Chemistry and the Postgraduate Diploma in Medical Laboratory Technology (PGDMLT).

Following the remarkable success in admissions during its inaugural year, the college expanded in **2020** under the name **Bhagwan Mahavir College of Basic and Applied Sciences,** introducing ten additional programs. These included Bachelor of Science degrees in Chemistry, Mathematics, Microbiology, Biotechnology, and Medical Laboratory Technology (MLT), along with Master of Science degrees in Botany, Mathematics, Microbiology, and Biotechnology.

In 2021, the institution further broadened its academic offerings by introducing two more programs: a Bachelor of Science in Physics and a Master of Science in Medical Laboratory Technology (MLT). These programs continue to thrive, reflecting the college's ongoing commitment to inclusivity, educational excellence, and innovation through philanthropic initiatives and pioneering academic endeavors.

The institute boasts a strong academic team comprising highly qualified faculty members, including PhD holders and NET/SLET-certified professionals. Their expertise ensures the delivery of exceptional educational standards, providing students with high-quality knowledge and learning experiences.

Principal's Message:

It gives me immense satisfaction to share this message as part of our institution's academic narrative. The academic year **2024–2025** has been a period of meaningful consolidation and innovation at **Bhagwan Mahavir College of Basic and Applied Sciences,** building on the transformative curricular strides we initiated in 2023 with the adoption of the National Education Policy (NEP) 2020.

With the introduction of Four-Year Undergraduate Programs (FYUGP) in Chemistry, Microbiology, Biotechnology, and Medical Laboratory Technology during the previous academic year, we have continued to refine and strengthen our academic ecosystem. The focus remains on fostering interdisciplinary learning, student-centric pedagogy, and flexible academic pathways that prepare students for modern scientific and societal challenges.

Our faculty continue to lead with purpose and vision, regularly enhancing the curriculum through subject integration, skill-based assessments, and co-curricular innovation. The institutional feedback loop—supported by IQAC—ensures that inputs from students, alumni, and academic experts shape the direction of our teaching and learning outcomes.

As Principal, I remain committed to upholding academic integrity, expanding our research footprint, and nurturing a campus culture where science, creativity, and responsibility converge.

Dr. Amit Saxena
Principal
Bhagwan Mahavir College of Basic and Applied Sciences

College Leadership Team

Name	Head and Nodal Officer	E-mail address
Dr. Amit Saxena	Principal	principal.bmcbas@bmusurat.ac.in
Dr. Vijay Kumar	Academic Head & Head of the Department- Microbiology, MLT, PGDMLT	Vijay.kumar@bmusurat.ac.in
Dr. Anukriti Ashokkumar	Head of the Department - Biotechnology	Anukriti.ashokkumar@bmusurat.ac.in
Dr. Khushbu Patel	Head of the Department - Chemistry	Khushbu.patel@bmusurat.ac.in
Ms. Jyoti Kumawat	Head of the Department - Mathematics	Jyoti.kumawat@bmusurat.ac.in

2. IQAC (INTERNAL QUALITY ASSURANCE CELL) INFORMATION

Composition of IQAC

Name	Head and Nodal Officer	E-mail address
Dr. Amit Saxena	Principal	principal.bmcbas@bmusurat.ac.in
Dr. Vijay Kumar	Academic Head & Head of the Department- Microbiology, MLT, PGDMLT	Vijay.kumar@bmusurat.ac.in
Dr. Anukriti Ashokkumar	Head of the Department - Biotechnology	Anukriti.ashokkumar@bmusurat.ac.in
Dr. Khushbu Patel	Head of the Department - Chemistry	Khushbu.patel@bmusurat.ac.in
Ms. Jyoti Kumawat	Head of the Department - Mathematics	Jyoti.kumawat@bmusurat.ac.in

IQAC Meetings and Key Decisions:

During the academic year 2024–2025, the Internal Quality Assurance Cell (IQAC) of Bhagwan Mahavir College of Basic and Applied Sciences continued to play a pivotal role in academic planning, quality enhancement, and institutional development. The Cell convened multiple meetings to review progress, implement strategic initiatives, and ensure alignment with NEP 2020 and institutional goals.

Date	Agenda	Key Decisions & Outcomes
05 July 2024	Academic Year Planning and NEP Continuation	Reviewed FYUGP implementation progress; proposed new interdisciplinary electives.
26 September 2024	Organization of Expert Lecture Series on "Microbes in Sustainable Development" by Dr. Naresh Butani (9th October 2024)	IQAC approved the expert lecture to enhance academic enrichment and student awareness of microbiology's role in sustainability.
1 October 2024	Launch of Research Journal Club to Promote Research Engagement and Academic Dialogue (5th October 2024)	IQAC approved the formation and inaugural session of the Research Journal Club to cultivate research culture, critical thinking, and collaborative learning among students and faculty.
16 October 2024	Organization of Webinar on "Human Anatomy and Physiology: Bridging Structure and Function in the Human Body" by Dr. Bhupendra I. Shah (24th October 2024)	IQAC approved the academic webinar to strengthen foundational knowledge in health sciences and promote interdisciplinary learning.
23 October 2024	Organization of 6-Day Faculty Development Program on "Tools and Techniques in Bioinformatics" (Starting 12th November 2024)	IQAC approved the FDP to enhance faculty competency in emerging bioinformatics tools and methodologies.
26 November 2024	Industrial Visit to Savli Technology & Business Incubator (STBI), Department of Science &	IQAC approved the industrial visit for Biotechnology students to enhance exposure to biotech infrastructure, innovation, and

Date	Agenda	Key Decisions & Outcomes
	Technology, Govt. of Gujarat (30th November 2024)	entrepreneurship
24 January 2025	Student Visit to Health and Awareness Expo organized by SGCCI at Surat International Exhibition and Convention Centre (27th January 2025)	IQAC approved the visit to enhance student exposure to medical innovations, healthcare technologies, and industry networking
16 January 2025	Participation of BMU Students in 14th Synergy – Intercollegiate Competition at Naran Lala College, Navsari (1st February 2025)	IQAC approved student participation to promote holistic development, intercollegiate engagement, and skill enhancement through competitive platforms.
27 January 2025	Organization of Expert Lecture on "Microbial Genetics: The Key to Understanding and Harnessing Microbial Potential" by Dr. Rakesh Patel (6th February 2025)	IQAC approved the expert lecture under MBSI to deepen academic understanding of microbial genetics and its applications
16 January 2025	Participation of BMCBAS Students in Gujarat Integrated Bio Network (GIBioN) Event at L.J University, Ahmedabad (9th February 2025)	IQAC approved student participation to promote academic competition, interdisciplinary learning, and networking in biotechnology and allied sciences.
21 January 2025	Organization of Scifesta 2025 on the Theme "Contribution of Science in Viksit Bharat" to Promote Scientific Innovation and National Development (21st February 2025)	IQAC approved Scifesta 2025 as a multidisciplinary science festival to encourage innovation, creativity, and scientific awareness among students
25 February 2025	Organization of National Conference on "Green Innovations for Sustainable Development: Exploring Ideas and Challenges" (GiSD-2025) at BMCBAS	IQAC approved the national-level conference to promote research, interdisciplinary dialogue, and innovation in sustainability.

Date	Agenda	Key Decisions & Outcomes
10/03/2025	Reschedule of Examination	IQAC approved Examination reschedule which was postponed due to Scifiesta and Conference conduction
15 March 2025	Educational Visit to Sorus Laboratories, Surat, for Industry Exposure in Genomics and Proteomics (29th March 2025)	IQAC approved the visit to enhance practical understanding of advanced biotechnological techniques and foster industry-academia collaboration
24 March 2025	Awareness session on NAAC Criteria	Principal conducted an awareness session on NAAC criteria for better documentation
26/03/2025	Staff meeting for better workflow & updates on NAAC documentation	Discussion on Academia workflow with the staff members was conducted to maintain standards.
01 April 2025	Pre-Presentation meeting for NAAC presentation	Finalized presentation content and quality benchmarks to ensure alignment with NAAC accreditation standards and institutional excellence.
11 April 2025	To review ERP updates, internal exam results, BoS changes, syllabus status, lab cleanliness, and exam-related duties.	Meeting covered ERP updates, internal results, BoS changes, syllabus, lab hygiene, and exam duties; actions assigned and processes streamlined.
03 May 2025	To review syllabus completion, discuss BoS updates, and streamline attendance verification.	Meeting reviewed syllabus, BoS updates, and attendance; faculty to submit reports, BoS feedback sent, and attendance protocol set.
06 May 2025	Interaction with Central Examination Department	Coordinated examination schedules and streamlined result processing to enhance academic efficiency and ensure timely communication with stakeholders.

Initiatives Undertaken by IQAC

- **Academic & Curriculum Development**

FYUGP Implementation Review and planning for NEP continuation.

Proposal of interdisciplinary electives to enrich academic offerings.

Launch of Research Journal Club to foster research engagement and critical thinking.

- **Faculty Development & Training**

  6-Day FDP on Bioinformatics Tools to enhance faculty competency in emerging technologies.

  Staff meetings for workflow optimization and NAAC documentation updates.

- **Student Enrichment & Exposure**

  Expert Lectures on microbiology, microbial genetics, and human physiology to deepen subject knowledge.

  Industrial & Educational Visits to STBI and Sorus Laboratories for hands-on exposure.

  Participation in Competitions & Events like Synergy and GIBioN to promote holistic development and networking.

- **Research & Innovation Promotion**

  National Conference on Green Innovations (GiSD-2025) to encourage sustainability-focused research.

  Scifesta 2025 to celebrate scientific contributions toward national development.

- **Health & Industry Interface**

  Student visit to Health and Awareness Expo for exposure to healthcare technologies and industry trends.

- **Quality Assurance & NAAC Readiness**

  Awareness sessions on NAAC criteria for improved documentation.

  Pre-presentation meetings to finalize content and benchmarks for NAAC accreditation.

  Coordination with Examination Department to streamline academic processes.

SECTION II: CRITERION/ATTRIBUTE-WISE REPORT

1. CURRICULAR ASPECTS

Curriculum Design and Development

- The institution offers a diverse range of undergraduate, postgraduate, and doctoral programs in Basic and Allied Sciences, including Biotechnology, Chemistry, Microbiology, Medical Laboratory Technology, Mathematics, Botany, and Physics.
- In line with NEP 2020 guidelines, from the academic year 2023–2024, the college introduced Four-Year Undergraduate Programs (FYUGP) in Chemistry, Microbiology, Biotechnology, and Medical Laboratory Technology.
- The curriculum is regularly updated in alignment with industry trends, scientific advancements, and feedback from stakeholders including faculty, students, alumni, and employers.

Academic Flexibility

- The college offers elective choices within programs to support interdisciplinary learning and career-specific goals.
- Integrated B.Sc. and Postgraduate Diploma programs provide vertical flexibility for academic progression.
- Students are encouraged to explore value-added and certificate programs where available.

Curriculum Enrichment

The institution undertook a series of academic initiatives aimed at enriching the curriculum and fostering holistic learning among students and faculty. These activities were designed to align with contemporary educational goals, promote interdisciplinary engagement, and enhance subject-specific competencies.

Summary of Key Initiatives

Category	Initiative	Purpose / Impact
Curriculum Enrichment	Expert Lectures on Microbes, Anatomy, Genetics	Enriched subject knowledge and linked theory to real-world applications
	National Conference on Green Innovations (GiSD-2025)	Promoted sustainability-focused research and interdisciplinary dialogue
	Scifesta 2025 – Science Festival	Encouraged creativity, innovation, and scientific awareness
	Industrial Visit to STBI & Sorus Laboratories	Provided hands-on exposure to biotech infrastructure and techniques
	Student Participation in Synergy & GIBioN Events	Fostered academic competition and cross-disciplinary learning
	Health & Awareness Expo Visit	Enhanced understanding of healthcare technologies and industry trends
Academic Flexibility	FYUGP Implementation Review & NEP Continuation	Supported flexible learning pathways and curriculum reforms

Category	Initiative	Purpose / Impact
	Proposal of Interdisciplinary Electives	Enabled students to explore diverse academic interests
	Examination Rescheduling	Demonstrated adaptive academic planning around major events
Curriculum Design & Development	Launch of Research Journal Club	Cultivated research culture and critical thinking among students and faculty
	Faculty Development Program on Bioinformatics	Equipped faculty with emerging tools for curriculum integration
	Staff Meetings on NAAC Documentation & Workflow	Strengthened academic processes and alignment with quality benchmarks

Highlights & Outcomes

- **Student Engagement:** Over 500 students participated across various events, gaining exposure to real-world applications of their curriculum.
- **Faculty Development:** The FDP empowered faculty with advanced tools in bioinformatics, fostering research-oriented teaching.
- **Interdisciplinary Learning:** Events bridged gaps between microbiology, environmental science, and health sciences.
- **Sustainability Focus:** The GiSD-2025 conference catalyzed discussions on green technologies and sustainable practices.

Feedback on Curriculum from Stakeholders

- Structured feedback is gathered from stakeholders and analyzed for curriculum development.
- NEP-based revisions were enacted after faculty consultation and Board of Studies reviews.

Elective Basket

- Departments revise their elective offerings based on relevance, career scope, and research trends.
- Subjects like “AI in Microbiology” and “Biostatistics” have been offered as electives in recent cycles.

NEP 2020 Implementation Highlights

- Shift to a multidisciplinary approach with FYUGP programs implemented in six science disciplines.
- Greater focus on critical thinking, project-based learning, and formative assessment tools.
- Courses onto Online platforms like NPTEL/ SWAYAM etc. are promoted.

2. TEACHING-LEARNING AND EVALUATION

Admission Analysis Program-Wise

Sr. No.	Program	Open		ST		SC		SEBC		EWS		No. of Male Students	No. of Female Students	Overall
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			
1	B.Sc. Chemistry	5	4	0	0	1	1	1	1	0	0	7	6	13
2	B.Sc. Microbiology	0	3	0	0	0	2	1	1	0	0	1	6	7
3	B.Sc. Biotechnology	12	15	0	0	1	0	2	2	0	0	15	17	32
4	B.Sc. MLT	2	6	0	0	0	0	1	0	0	0	3	6	9
5	M.Sc. Organic Chemistry	11	1	0	0	1	0	5	1	0	0	17	2	19
6	M.Sc. Microbiology	1	1	0	0	1	0	2	0	0	0	4	1	5
7	M.Sc. MLT	1	4	0	0	0	0	0	0	0	0	1	4	5
8	M.Sc. Biotechnology	1	4	1	0	0	0	0	1	0	2	2	7	9
9	PGDMLT	0	4	0	1	0	0	0	1	0	0	0	6	6
10	DMLT	0	0	1	3	4	2	0	0	0	0	5	5	10
Total Students :												**55**	**60**	**115**

Student Enrollment and Profile

- The college maintains inclusive admission practices aligned with government reservation policies.
- Annual enrollment has seen a steady rise due to the relevance and quality of science programs.
- Students from SC/ST/OBC and minority backgrounds are supported through mentorship and financial assistance.

Student–Teacher Ratio

The Student–Teacher Ratio for the academic year 2024–25 at Bhagwan Mahavir College of Basic and Applied Sciences is as follows:

- **Total number of students enrolled: 115**
- **Total number of full-time faculty members: 20**
- **Student–Teacher Ratio: 5:1**

This ratio reflects a balanced academic environment that enables personalized attention, effective mentoring, and collaborative learning across all departments.

Teaching Methodologies and Learning Experiences

College adopted a dynamic and student-centric approach to teaching and learning during the academic year 2024–2025. The institution emphasized experiential learning, interdisciplinary engagement, and academic enrichment through the following initiatives:

- **Interactive Pedagogy:** Classrooms were equipped with projectors and digital tools to facilitate visual and interactive learning. Lab-based practicals provided hands-on experience, especially in life sciences and biotechnology.

- **Interdisciplinary Learning:** Courses integrated concepts across disciplines, encouraging students to connect scientific knowledge with real-world applications.

- **Experiential Learning:** Project-based assignments, peer-led lectures, and seminar presentations enabled students to actively engage with course content and develop communication and analytical skills.

- **Launch of Research Journal Club (1 October 2024)**
  Cultivated a research-oriented mindset among students and faculty through regular discussions, article reviews, and collaborative learning.

- **Expert Lecture Series on "Microbes in Sustainable Development" (9 October 2024)**
  Provided insights into the role of microbiology in sustainability, fostering awareness of global scientific challenges.

- **Webinar on "Human Anatomy and Physiology" (24 October 2024)**
  Strengthened foundational understanding in health sciences and promoted interdisciplinary connections between biology and medicine.

- **Expert Lecture on "Microbial Genetics" (6 February 2025)**
  Deepened student knowledge of genetic mechanisms in microbes and their biotechnological applications.

- **Scifesta 2025 – Theme: "Contribution of Science in Viksit Bharat" (21 February 2025)**
  A multidisciplinary science festival that encouraged innovation, creativity, and national development awareness through exhibitions, competitions, and student-led projects.

- **Essay Writing Competition on NEP 2020 (11 April 2025)**
  Promoted critical thinking and academic reflection on contemporary educational reforms, aligning student perspectives with national policy discourse.

Evaluation Process & Reforms

- Evaluation is conducted as per university standards, with continuous internal assessment.
- Transparency and timely feedback are followed for errorless results.
- Mid-term tests, assignments, presentations, and lab performance are part of assessment.

Student Performance and Learning Outcomes

- Significant improvement in conceptual understanding observed through practical assessments and project submissions.
- Frequent faculty-student meetings to discuss academic progress.
- Following initiatives of college have also directly impacted student knowledge, skills, and holistic development:
- **Industrial Visit to STBI (30 Nov 2024)**

  Enhanced exposure to biotech infrastructure, innovation, and entrepreneurship.
- **Educational Visit to Sorus Laboratories (29 Mar 2025)**

  Provided hands-on understanding of genomics and proteomics.
- **Participation in GIBioN Event (9 Feb 2025)**

  Promoted interdisciplinary learning and academic competition.
- **Participation in Synergy 2025 (1 Feb 2025)**

  Fostered skill enhancement and intercollegiate engagement.
- **Essay Writing on NEP 2020**

  Reflected student comprehension and critical engagement with national education policy.
- **Research Journal Club**

  Improved research aptitude, analytical skills, and academic curiosity.

Student Satisfaction Survey

- Periodic surveys conducted to assess teaching effectiveness and campus experiences.
- Suggestions from students are integrated into course delivery strategies.

Result Analysis (Semester-Wise)

Semester	Program	Total Students	Pass %
Sem I	B.Sc. Chemistry	13	53.84%
Sem II	B.Sc. Chemistry	12	41.66%
Sem III	B.Sc. Chemistry	12	50%
Sem IV	B.Sc. Chemistry	12	50%
Sem V	B.Sc. Chemistry	08	87.50%
Sem VI	B.Sc. Chemistry	08	87.5%
Sem I	M.Sc. Organic Chemistry	18	33.33%
Sem II	M.Sc. Organic Chemistry	15	66.67%
Sem V	B.Sc. Mathematics	06	66.67%
Sem VI	B.Sc. Mathematics	05	100%
Sem V	B.Sc. Physics	02	50%
Sem VI	B.Sc. Physics	02	100%
Sem I	B.Sc. Biotechnology	27	70.37%
Sem II	B.Sc. Biotechnology	25	56%
Sem III	B.Sc. Biotechnology	14	57.14%
Sem IV	B.Sc. Biotechnology	14	57.14%
Sem V	B.Sc. Biotechnology	17	88.23%
Sem VI	B.Sc. Biotechnology	17	94.11%

Semester	Program	Total Students	Pass %
Sem I	M.Sc. Biotechnology	09	77.77%
Sem II	M.Sc. Biotechnology	07	100%
Sem I	B.Sc. Microbiology	07	14.29%
Sem II	B.Sc. Microbiology	07	100%
Sem III	B.Sc. Microbiology	16	87.50%
Sem IV	B.Sc. Microbiology	16	93.75%
Sem V	B.Sc. Microbiology	15	93.33%
Sem VI	B.Sc. Microbiology	14	100%
Sem I	M.Sc. Microbiology	05	100%
Sem II	M.Sc. Microbiology	05	100%
Sem I	B.Sc. MLT	08	62.50%
Sem II	B.Sc. MLT	08	100%
Sem III	B.Sc. MLT	09	77.77%
Sem IV	B.Sc. MLT	08	100%
Sem V	B.Sc. MLT	07	100%
Sem VI	B.Sc. MLT	06	100%
Sem I	M.Sc. MLT	05	100%
Sem II	M.Sc. MLT	05	100%
Sem V	IB.Sc. MLT	01	00%

Semester	Program	Total Students	Pass %
Sem VI	IB.Sc. MLT	01	100%
Sem VII	IB.Sc. MLT	33	100%
Year I	PGDMLT	06	83.33%

3. RESEARCH, CONSULTANCY AND EXTENSION

Research Promotion and Funding

- Faculty are actively encouraged to undertake research activities, present papers at conferences, and publish in reputed journals.
- The institution supports research by facilitating access to well-equipped laboratories and updated scientific resources.
- Interdisciplinary research is fostered in areas like microbiology, medicinal chemistry, biotechnology, and phytochemistry.

Collaborations and MOUs (2024–25)

To strengthen academic and research linkages, the institution signed the following MOUs:

Partner Organization	Purpose	Date of Signing
Celltech Life Sciences LLP, Surat	To foster industry-academia synergy in life sciences and technology management through co-developed curricula, internships, expert lectures, seminars, research, and faculty development.	May 7, 2025
Bhuma Research in Ayurvedic and Herbal Medicine (BRAHM), Surat	To bridge academic excellence with industry relevance via joint research, training, curriculum development, internships, expert sessions, and career guidance.	May 14, 2025

These partnerships aim to:

- Enhance practical exposure for students
- Facilitate faculty-industry interaction

- Promote collaborative publications and innovation

Patent Recognition

- **Dr. Murtaza Hajoori** received a 20-year patent grant for his innovation titled *"Micro-Emulsion Based Herbal Formulation"* under the Patents Act.

Innovation Ecosystem

- Practical exposure through modern research equipment such as CO_2 incubators, RT-PCR systems, thermal cyclers, and electrophoresis units enables student-led investigations.
- Collaborative seminars and industry visits contribute to fostering an entrepreneurial and innovation-friendly environment.
- Activities like intra-college drawing and Rangoli competitions on microbiological themes promote scientific creativity.

Research Publications and Awards (2024–25)

Faculty Name(s)	Title of Publication	Journal / Recognition	Date
Dr. Pooja Desai & Nilofar Pathan	*Prevalence of Uropathogens and Its Antibiogram Among Diabetic and Non-Diabetic Patients*	International Journal for Multidisciplinary Research	July 2024
Dr. Sumita Das Gupta	*Screening of Phytochemicals from Leaf Extracts of Argyreia nervosa*	African Journal of Biomedical Research	Sept 2024
Dr. Murtaza Hajoori	*Evaluating Probiotic Properties of Gut Microflora for Parkinson's Disease Therapy*	Journal of Future Foods, Elsevier	Sept 2024
Mrs. Yagna Patel	*Review on Basics of Antibiotic Resistance in Uropathogens*	Journal of Emerging Technologies and Innovative Research	22 Oct 2024
Mrs. Yagna Patel	*Review on Applications of Biosurfactant in Sustainable Environment*	International Journal of Current Science	Oct 2024

Faculty Name(s)	Title of Publication	Journal / Recognition	Date
Dr. Sumita Dasgupta & Shivangi Zaveri	*Endophytic Bacteria for Biosurfactant Production*	International Journal for Multidisciplinary Research	Nov–Dec 2024
Dr. Sumita Dasgupta & Shivangi Zaveri	*Bacterial Endophytes for Abiotic Stress Tolerance*	International Journal of Current Microbiology and Applied Sciences	10 Dec 2024
Shikha Agarwal, Khushbu Patel & Ankit Shah	*Fluorinated Diphenylamine Chalcone Derivatives as Antimalarial and Anticancer Agents*	Scientific Reports	May 2025

Faculty Development & Academic Contributions

Faculty Name	Activity / Title	Organizer / Institution	Date
Ms. Yagna Patel	International Certificate Course – Bioanalytical Techniques (Part 2)	Sacred Heart College & Western Rio Janeiro State University	09 Sep – 08 Oct 2024
Ms. Yagna Patel	FDP – R Programming for Budding Data Analysts	Research Foundation of India	09 Oct – 19 Oct 2024
Ms. Yagna Patel	Workshop – Design Thinking for Entrepreneurship	Advance Research Centre, Bhagwan Mahavir University	26–27 Nov 2024
Ms. Yagna Patel	FDP – Effective Research and Proposal Writing Strategies	Innova World Research	09 Dec – 21 Dec 2024
Ms. Yagna Patel	Workshop – Project Writing for Grants	Research Foundation of India	25–26 Jan 2025
Ms. Yesha Patel	FDP – Step-by-Step Guide to Write a Research Paper	—	19 Nov – 30 Nov 2024

Faculty Name	Activity / Title	Organizer / Institution	Date
Ms. Jyoti Kumawat	Short-Term Program – Recent Trends in Mathematical Sciences	UGC-MMTTC, IITE Gandhinagar	23 Dec – 28 Dec 2024
Ms. Jyoti Kumawat	Paper Presentation – Non-Competitive Inhibitors via Simulation	ICRTM-2025, Hansraj College, University of Delhi	07–08 Feb 2025
Ms. Jyoti Kumawat	Paper Presentation – Competitive Inhibitors in Enzyme–Substrate Reactions	MATHTECH-2024, Chaudhary Bansi Lal University, Haryana	17–18 Jan 2025
Ms. Bhumi Sachapara	Short-Term Program – Advanced Tools for Teaching Biological Sciences	UGC-MMTTC, IITE Gandhinagar	20–25 Jan 2025
Dr. Krishna Soni	Short-Term Program – Advances in Physical and Nano Sciences	UGC-MMTTC, IITE Gandhinagar	06–11 Jan 2025
Dr. Krishna Soni	FDP – Navigating Research Grants and Funding Opportunities	School of Pharmacy, Vishwakarma University, Pune	27 Jan – 01 Feb 2025
Dr. Khushbu Patel	FDP – Navigating Research Grants and Funding Opportunities	School of Pharmacy, Vishwakarma University, Pune	27 Jan – 01 Feb 2025
Ms. Bharti Mohini	Paper Presentation – Public Libraries in Digital Era	GGSS Library Conference, Palitana	31 Jan – 02 Feb 2025
Ms. Trupti Pandya	Qualified G-SET Examination	—	2025
Ms. Rukhsar Ansari	Senior Scientist Award – Best Poster Presentation	International Conference, Pacific University, Udaipur	2024
Ms. Rukhsar Ansari	Faculty Induction Programme (4 Weeks)	MMTTC, University of Burdwan	05 Jun – 05 Jul 2025

Faculty Name	Activity / Title	Organizer / Institution	Date
Ms. Rukhsar Ansari	Refresher Course – Life Sciences	UGC-MMTTC, Himachal Pradesh University, Shimla	07 Jul – 19 Jul 2025
Dr. Krishna Soni	Lecture Series – Research and Publication Ethics	APTI Women's Forum, SVKM's BNCP & IPA-MSB's Bombay College of Pharmacy	25 Oct 2024

4. INFRASTRUCTURE AND LEARNING RESOURCES

Physical Infrastructure

- The college boasts **16 classrooms** and **16 subject-specific laboratories**, supporting hands-on learning across Physics, Chemistry, Botany, Zoology, Microbiology, Biotechnology, and Medical Laboratory Technology.
- Seminar and conference rooms are equipped for expert sessions, presentations, and collaborative dialogue.
- A **200-seat auditorium** with full audiovisual support hosts academic functions, cultural events, and community outreach activities.

- **Biotechnology Lab**: Centrifuge, autoclave, incubator, platform shaker, microscopes, tissue culture instruments.
- **Animal Cell Culture Lab**: Laminar hood, CO_2 incubator, binocular microscopes, phase contrast microscope.
- **Molecular Biology Lab**: Gel doc system, PCR thermal cycler, electrophoresis units.
- **Chemistry Lab**: Equipped with essential glassware and instruments; M.Sc. lab seats 40 students and supports synthesis and compound screening.
- **Physical Chemistry Lab**: Potentiometer, pH meter, colorimeter, conductivity meter.
- **Microbiology Labs**: Include laminar flows, autoclaves, dark field and phase contrast microscopes, COD apparatus, and incubators.
- **Medical Lab Tech Labs**: Auto-analyzer, centrifuges, spectrophotometers, electrophoresis units, high-speed centrifuges.

- **Botany, Zoology, and Physics Labs**: Fully equipped as per curriculum standards.
- **Computer Lab**: 30+ systems with internet access, used for bioinformatics and data analysis.

Library and Learning Resources

- **Total Books**: 4,500+ titles across science, humanities, and competitive exam prep.
- **Journals & Periodicals**: Subscriptions to 15 national and international journals.

- **Digital Access**: N-LIST membership for e-resources, including e-journals and e-books.
- **Reading Room**: Quiet space with seating for 50 students, open 6 days a week.

IT Infrastructure and E-Learning Resources

- ICT-enabled teaching in several classrooms enhances interactive learning.
- Labs support digital simulation, data analysis, and internet-enabled research.

Maintenance and Upkeep of Infrastructure

- Regular AMC and periodic equipment calibration is undertaken to ensure operational excellence.
- Cleanliness and hygiene are prioritized through routine housekeeping protocols.

E-Governance Initiatives and Actions Taken

- Internal academic documentation, admissions, attendance tracking, and timetable scheduling are digitized.
- Online platforms are used to facilitate student communication and internal coordination.

5. STUDENT SUPPORT AND PROGRESSION

Student Support Services

- The college promotes inclusive education through academic mentoring, career counseling, and financial assistance schemes where applicable.
- Students participate in NSS and co-curricular initiatives aimed at personal development and civic awareness.
- Faculty actively mentor students for academic guidance and emotional well-being.

Student Progression (Placements, Higher Studies)

- A number of students pursue postgraduate and doctoral studies in reputed institutions across India.
- The Placement Cell supports career readiness through seminars, industrial visits, and mock interviews.

Following students were placed from the college in the 2024- 25 job fair.

Name of college	Department	Name of Students	Name of Company	Post	Annual Package
BMCBAS	Microbiology	Ganvit UmeshKumar Motirambhai	Unity hospital, parvat patiya	Lab technician	1,30,000/-
BMCBAS	Microbiology	Ganvit vaishaliben Ganeshbhai	Aarogyam multi speciality hospital, Dharampur	Lab technician	1,20,000/-
BMCBAS	Microbiology	Deshmukh yakubbhai Santivanbhai	Maitreya medicare limited Maitreya multisupepeciality & research centre	Lab technician	1,50,000/-

Student Participation and Activities (Clubs, Committees)

- **Orientation Program (Aug 2, 2024):** Conducted by the Department of Biotechnology for new entrants, with parent participation.
- **Art & Awareness Events:**
    - *Intra-College Drawing Competition* (Aug 31, 2024) – Topics included AI in Microbiology and Bioterrorism.
    - *Rangoli Competition* (Sept 21, 2024) – Thematic designs showcased microbial morphology and scientist representations.
- **Cultural Expression & Theatre:**
    - *One-Act Play Competition* (Sept 20, 2024) – 25 student performers, with TY BSc Biotechnology's *Pavan Parekh* securing First Prize.
- **Teacher's Day Celebration (Sept 5, 2024):** Students delivered faculty-observed lectures and engaged in fun activities like musical chairs.

External Awards in Curricular & Extra-Curricular Engagement

Student Achievements:

1. Academic Excellence

Student Name	Program	Achievement	Recognition / Organizer	Date
Divyeshkumar Sriramulu Vennam	Biotech Dept.	Qualified G-SET with score 214/300	—	2025
Yadav Priti Shrisubhas	UG – Microbiology	Student of the Year Award	Microbiologist Society India	Feb 2025
Behera Sushree Sangita Anirudh	UG – MLT	Student of the Year Award	Microbiologist Society India	Feb 2025
Vekariya Shivani Parshottambhai	UG – Biotechnology	Student of the Year Award	Microbiologist Society India	Feb 2025

Student Name	Program	Achievement	Recognition / Organizer	Date
Shaikh Atik Ahamed Abdullah	PG – Microbiology	Student of the Year Award	Microbiologist Society India	Feb 2025
Arti Shivshankar Jayswal	PG – Biotechnology	Student of the Year Award	Microbiologist Society India	Feb 2025
Noorsana Faiyaz Deshmukh	PG – MLT	Student of the Year Award	Microbiologist Society India	Feb 2025

2. Cultural & Creative Achievements

Student Name(s)	Program	Event / Activity	Achievement	Organizer / Location	Date
Pavan Parekh	TY B.Sc. Biotechnology	Monoact – Spandan 2025	1st Rank	BMU	Mar 2025
Anuj Singh	—	Monoact – Spandan 2025	2nd Rank	BMU	Mar 2025
Pavan Parekh	TY B.Sc. Biotechnology	Monoact – NSS State-Level	2nd Rank	Ahmedabad NSS	—
Arpita Pandey	Biotechnology Dept.	Solo Singing – Spandan 2025	2nd Rank	BMU	—
Mansuri Afsha	SY B.Sc.	Poetic Expression – Microbiology Theme	3rd Rank	UGAM 2025, Vapi	—
Prachi Agarwal & Moksha Bapotra	—	Digital Presentation – Microbiology Theme	2nd Rank	UGAM 2025, Vapi	—
Atik Shaikh & Dharmik Senta	—	Microbiology-Themed Logo	2nd Prize	UGAM 2025, Vapi	—
Mansuri Afsah Khatun	SY B.Sc. MLT	Mehendi Competition – 14th Synergy	2nd Rank	Naran Lala College, Navsari	—

3. Sports Achievements – Intercollege Sports Meet 2025

Event Name	Date	Student Name(s)	Rank / Position
Carrom (Girls)	24 Feb 2025	Jeel Shah	2nd
		Khushi Sinha	3rd
		Riddhi Patel, Arpita Pandey	—
4 x 100 Mts Run (Girls)	28 Feb 2025	Riddhi, Jeel, Kashish, Tulsi	1st

Event Name	Date	Student Name(s)	Rank / Position
Kho-Kho (Boys)	21 Feb 2025	Deshmukh Yakub & Team	Runner-Up

4. Personal Milestones

Student Name	Program	Achievement	Location / Organizer	Date
Yadav Abhinav	TY B.Sc. Mathematics	Completed 100 km Ultra Marathon	Lavasa Sahyadri Hills	—
		Completed 77 km Army Marathon	Kaza, Himachal Pradesh	—
		Shortlisted by Indian Air Force Selection Boards	—	—

6. GOVERNANCE, LEADERSHIP AND MANAGEMENT

Institutional Vision and Leadership

- The college operates under the guidance of **Principal Dr. Amit Saxena**, who leads with a focus on academic excellence, innovation, and holistic development.
- The leadership team emphasizes collaborative decision-making, value-based education, and strategic planning aligned with university and national objectives.

Academic Calendar (Semester-Wise)

- The academic calendar is prepared in alignment with the university schedule, detailing class start/end dates, internal assessment timelines, practicals, holidays, and examination windows.

Strategy Development and Deployment

- The institution designs annual academic and operational strategies guided by IQAC, aligning with NEP 2020.
- Regular faculty reviews and student feedback are incorporated into departmental planning.

IDP (Institutional Development Plan) Progress Status

- Implementation of FYUGP programs and upgrades to lab facilities reflect progress on IDP benchmarks.
- Outreach activities and intercollegiate student engagements are examples of non-academic IDP initiatives.

Faculty Empowerment Strategies

- Faculty are supported through conference participation, research mentorship, and publication encouragement.
- Workshops and FDPs are conducted or attended to boost professional competencies.

Faculty Achievements

- *Dr. Murtaza Hajoori* – Patent granted for herbal micro-emulsion formulation

- *Multiple faculty members* published research in reputed international journals
- *Ms. Rukhsar Ansari* – Senior Scientist Award at Pacific University Conference

Reward and Recognition Initiatives

- Certificates, appreciation letters, and featured highlights in institutional meetings/events are used to recognize outstanding teaching, research, and service efforts.

Financial Management and Resource Mobilization

- Funds are judiciously utilized to maintain labs, procure updated instruments, and support student outreach.

Committees and Functions (in Brief)

- **IQAC** – Quality framework and benchmarking
- **NSS Unit** – Social and civic outreach
- **Cultural Committee** – Events and celebrations
- **Discipline, Examination, Admission, Anti-Ragging, and Alumni Committees** – Ensure smooth academic and administrative governance

SWOC Analysis of the College

➢ **Strengths**

- **Outcome-Oriented Curriculum**: The college continues to offer globally relevant, outcome-based science programs that enhance student employability and align with industry expectations.
- **Vibrant Student Engagement**: A robust ecosystem of clubs and committees fosters active participation in both academic and extracurricular spheres, nurturing well-rounded individuals.
- **Career Readiness Initiatives**: Regular seminars, workshops, and skill-building sessions on competitive exams, communication, and personality development empower students for diverse career paths.
- **Career Advancement Platforms**: Annual job fairs and career expos provide direct access to employers and opportunities in science and technology sectors.
- **Holistic Development Focus**: Cultural, social, and community-driven events enrich the student experience and promote personal growth.

- **Industry Interactions Cell**: A dedicated cell facilitates meaningful collaborations with science and tech industries, enhancing practical exposure and curriculum relevance.
- **Academic-Industry Linkages**: Active partnerships with research institutions and industries support curriculum enrichment and promote applied research.
- **Commitment to Inclusivity**: The college upholds gender equity, addresses harassment proactively, and promotes women's leadership through targeted programs.
- **Positive Learning Culture**: Strong rapport between faculty and students fosters a collaborative and supportive academic environment.
- **Decentralized Leadership**: Empowered faculty and student bodies contribute to effective governance and decision-making.
- **Structured Mentorship**: A formal mentoring framework supports students' academic progress and personal well-being.
- **Financial Support Mechanisms**: Scholarships and fee concessions continue to make quality science education accessible to deserving students.

➢ **Weaknesses**

- **Enrollment Competition**: Nearby government institutions with lower tuition fees remain a challenge for attracting new students.
- **Funding Limitations**: Heavy reliance on student fees constrains the development of advanced research infrastructure.
- **Hostel Capacity Constraints**: Limited residential facilities restrict intake and expansion of academic offerings.
- **Faculty Turnover**: High attrition rates among faculty affect continuity and academic consistency.
- **Experience Gap**: A shortage of senior faculty impacts mentorship and research leadership.
- **Library Automation Lag**: The library system remains partially manual, affecting resource accessibility and efficiency.
- **Accreditation Gap**: Absence of NAAC accreditation limits eligibility for external research grants and institutional recognition.
- **Canteen Infrastructure**: The dining facility requires modernization to meet student expectations.
- **Research Infrastructure Deficit**: Lack of a centralized research lab hampers innovation and interdisciplinary exploration.

➢ **Opportunities**

- **Policy Support via NEP 2020**: National reforms favor private science institutions, opening avenues for growth and innovation.
- **Digital Expansion**: MOOCs and e-learning platforms offer scalable models for outreach and resource generation.
- **Sustainability Focus**: Rising interest in green technologies presents scope for specialized programs and industry-aligned research.

- **Regional Collaborations**: Partnerships with local institutions can enable resource sharing and interdisciplinary program development.
- **Local Industry Demand**: Surat's thriving industrial base offers a strong employment market for science graduates.
- **Strategic Location Advantage**: Proximity to major industries supports internships, guest lectures, and curriculum alignment.
- **Workforce Upskilling**: Tailored training programs for professionals in Surat's key sectors can enhance community engagement and revenue.
- **Alumni Network Development**: Strengthening alumni relations can unlock mentorship, internships, and placement opportunities.
- **Global Exchange Programs**: International collaborations can enrich student exposure and academic diversity.
- **Certificate Courses for Professionals**: Industry-aligned short-term programs can attract working professionals seeking career advancement.

➢ **Challenges**

- **Intensifying Competition**: The rise of well-funded private and government institutions offering similar programs poses a strategic threat.
- **Faculty Retention Issues**: Sustaining a stable and qualified teaching workforce remains a pressing concern.
- **Recruitment Difficulties**: Attracting high-caliber new faculty is increasingly competitive.
- **Infrastructure Investment Constraints**: Limited capital affects expansion in research, labs, and faculty development.
- **Curriculum Responsiveness**: Keeping pace with evolving industry needs requires agile curriculum updates.
- **Skill Development Pressure**: Bridging the gap between academic learning and industry-ready communication/employability skills is a continuous challenge.
- **Demographic Influence**: The entrepreneurial mindset of South Gujarat may divert student focus from academic pursuits to business ventures.

7. INNOVATIONS AND BEST PRACTICES

Institutional Distinctiveness

Bhagwan Mahavir College of Basic and Applied Sciences (BMCBAS) stands apart in its ability to harmonize scientific rigor with artistic innovation. The institution fosters a vibrant academic culture where:

- Bhagwan Mahavir College of Basic and Applied Sciences (BMCBAS) distinguishes itself through a strong integration of **scientific exploration and creative expression**, offering a learning ecosystem where analytical thinking coexists with artistic innovation.
- The institution creatively blends **art and science** by organizing competitions such as drawing contests on topics like *"Bioterrorism"* and *"AI in Microbiology"*, as well as **Rangoli competitions** themed around *"Microbial Morphology"* and *"Microbiology Scientists"*. These not only enrich academic engagement but also foster interpretive and communicative learning.
- Students are encouraged to explore **scientific concepts through performance**—as seen in the One-Act Play Competition—which fosters expressive skills and ethical storytelling.
- BMCBAS maintains **active collaboration with institutions such as Surat Raktadan Kendra**, facilitating community outreach programs including **blood donation drives**, **educational visits**, and **awareness campaigns**, thereby reinforcing the college's identity as a socially responsible academic hub.
- Such initiatives underscore the college's mission to nurture well-rounded graduates—those equipped not only with technical acumen but with empathy, creative articulation, and civic consciousness.

- Science-themed creative competitions like **Rangoli**, **Drawing**, and **One-Act Plays** are integrated with curriculum topics (e.g., *AI in Microbiology*, *Bioterrorism*, *Microorganisms as Friends & Foes*).
- Events such as the **Teacher's Day Lecture Swap**, where students deliver lectures under faculty observation, reflect a commitment to participative and transformative learning.
- The college actively engages with society through **NSS** initiatives, spreading awareness on health, hygiene, and blood donation, making civic responsibility an integral part of education.
- These efforts contribute to creating holistic graduates who are academically strong, socially aware, and creatively inspired.

Best Practices Adopted by the Institution

Best Practice 1: Microbiology Through Art—Rangoli & Drawing, Scientific Twist

- **Objective:** To promote conceptual understanding of microbiological science through visual arts.
- **Context:** Students often retain knowledge better when allowed to express it creatively.
- **Practice:** Themed competitions such as *"Morphology of Microorganisms"* and *"AI in Microbiology"* allow students to present scientific concepts through art.
- **Impact:** High engagement and enthusiasm among students; boosted science communication skills and creativity.

Best Practice 2: Health Awareness and Blood Donation Campaigns

- **Objective:** To instill public health consciousness and social responsibility among students.
- **Context:** Organized under NSS and cultural units in collaboration with health organizations.
- **Practice:** Health Awareness Drive (Aug 20, 2024), followed by a successful Blood Donation Camp (Sept 3, 2024) in partnership with Surat Raktadan Kendra.
- **Impact:** Participation from multiple departments; 13 blood units collected; increased health literacy and volunteerism among students.

Best Practice 3: One-Act Play Competition for Ethical & Scientific Storytelling

- **Objective:** To provide a platform for narrative expression of scientific, ethical, or social themes.
- **Context:** Theatre as a medium for impactful storytelling that goes beyond textbooks.
- **Practice:** 25 students performed original short plays judged by professionals; top act won state-level NSS honors.
- **Impact:** Strengthened communication, empathy, and thematic understanding among participants and audience alike.

8. INITIATIVES TAKEN IN SUSTAINABILITY AND GREEN ENERGIES

- The institution actively promotes environmental awareness and energy conservation among students and staff.
- NSS-led events and eco-awareness initiatives embed sustainability into student culture.
- Students participate in campaigns promoting water conservation, minimal plastic use, and tree plantation drives.
- Classrooms and laboratories optimize natural ventilation and lighting to reduce energy usage.
- Paperless practices are encouraged through e-submissions, digital communication, and cloud storage for student work.

9. SOCIAL SERVICES / COMMUNITY SERVICES

- The college demonstrates strong social responsibility through its active **NSS unit**, organizing impactful community-based events.
- **Blood Donation Camp (Sept 3, 2024):** 13 blood units collected in collaboration with Surat Raktadan Kendra.
- **Health Awareness Campaign (Aug 20, 2024):** Covered blood grouping, BP checkups, and preventive health counseling.
- **Microbiology Awareness Visit for Schoolchildren (Aug 9, 2024):** Hands-on demo of lab equipment and microorganisms for students from L.P. Savani School.
- Faculty members and students participate in outreach initiatives promoting hygiene, health, and microbiological literacy.
- Student participation in cultural and service-led events fosters civic-mindedness and compassion for community welfare.

SECTION III. CONCLUSION AND FUTURE PLANS

- The academic year 2024–25 at Bhagwan Mahavir College of Basic and Applied Sciences has been marked by dynamic growth, student innovation, and community-centered learning.
- The implementation of NEP 2020 Four-Year UG programs, vibrant intra-college competitions, increased research output, and impactful social outreach reflect the institution's commitment to excellence.
- Noteworthy milestones include a faculty patent, multiple research publications, successful NSS-driven blood donation and health awareness drives, and students earning recognition at state-level competitions.
- Feedback mechanisms and IQAC interventions have helped identify areas for improvement, including increased emphasis on digital infrastructure, enhanced placement support, and industry-academia collaboration.

Future Plans Include:

- Introduce industry-integrated certificate courses and cross-disciplinary electives.
- Establish formal collaborations with research organizations and laboratories.
- Strengthen alumni involvement in mentorship and networking.
- Expand sustainability initiatives, including waste management and green audits.
- Upgrade digital platforms for e-learning, feedback collection, and academic analytics.

Declaration Statement

I hereby declare that the information and data presented in this Annual Report for the academic year **2024–2025** are true and correct to the best of my knowledge and belief. The report highlights the academic, research, co-curricular, and extension activities of **Bhagwan Mahavir College of Basic and Applied Sciences**, and reflects the institutional progress and quality assurance practices as guided by the Internal Quality Assurance Cell (IQAC) and Bhagwan Mahavir University.

Dr. Amit Saxena
Principal
Bhagwan Mahavir College of Basic and Applied Sciences
Date: 26/08/2025
Place: Surat

IQAC Endorsement Note

The Internal Quality Assurance Cell (IQAC) of **Bhagwan Mahavir College of Basic and Applied Sciences** acknowledges the collective effort of the institution in preparing this Annual Report for the academic year **2024–2025**.

The report has been reviewed and approved by the IQAC Core Committee and is a true reflection of the academic integrity, research spirit, and social commitment of the college. The IQAC expresses gratitude to all contributors for their valuable inputs and encourages the continuous pursuit of quality enhancement in all spheres.

IQAC Coordinator
Name: Dr. Amit Saxena
Signature: _____

IQAC Chairperson
Dr. Amit Saxena
Principal

SECTION IV. SUPPORTING DOCUMENTS

Please find appended and annexed:

Annexures

These support the main report with evidence and data:

Annexure	Description
A1	Academic Calender
A2	Event Reports and Photographs
A3	MoU's, Patents and Research Articles Documentation
A4	Faculty Achievements
A5	Student Achievements

ANNEXURE 01: Academic Calender

BHAGWAN MAHAVIR UNIVERSITY

College Name:--

Academic Calendar for Academic Year (2024-25) Even Semester

Bhagwan Mahavir College of Basic & Applied Sciences

S. No.	Particular	Programme and Semester						
		B.Sc. / iB.Sc. (All)				M.Sc. (All)		PGDMLT
		Sem-2	Sem-4	Sem-6	Sem-8	Sem-2	Sem-4	1 Year
1	Semester Start Date	03.02.2025	06.01.2025	30.12.2024	30.12.2024	03.02.2025	30.12.2024	01.08.2024
2	Semester End Date	10.06.2025	10.05.2025	03.05.2025	03.05.2025	10.06.2025	03.05.2025	30.04.2025
3	Mid Term - 1 Exam Date	16.04.2025	17.02.2025	16.04.2025	16.04.2025	05.05.2025	16.04.2025	12.11.2024
4	Mid Term - 2 Exam Date	05.05.2025	16.04.2025	-	-	-	-	16.04.2025
5	Mid Term Practical	30.04.2025	07.04.2024	07.04.2024	07.04.2024	30.04.2025	07.04.2024	07.04.2024
6	Total Working Days	94	97	97	97	94	97	180
7	Remedial Classes Date	02.06.2024	25.04.2025	25.04.2025	25.04.2025	02.06.2024	25.04.2025	25.04.2025
8	End term Theory Exam date	15.06.2024	19.05.2025	05.05.2025	05.05.2025	15.06.2024	05.05.2025	03.06.2025
9	End term Practical Exam date	24.06.2024	12.05.2025	19.05.2025	19.05.2025	24.06.2024	08.05.2025	12.06.2025
10	Planned Event - 1 Date#	12.01.025 (Yuva Divas)						
11	Planned Event - 2 Date#	26.01.2025 (Republic Day)						
12	Planned Event - 3 Date#	Spandan						
13	Planned Event - 4 Date#	08.03.2025 (Conference)						
14	Any Other							

Principal
B.M College of Basic & Applied Sciences
Bhagwan Mahavir University
VIP Road, Surat-395007.

BHAGWAN MAHAVIR UNIVERSITY

Academic Calendar for Academic Year (2024-25) Odd Semester

College Name:-- **Bhagwan Mahavir College of Basic and Applied Sciences**

S. No.	Particular	Programme and Semester										
		B.Sc. (All)			Int. B.Sc. (MLT)				M.Sc. (All)		PGDMLT	Remark
		Sem-1	Sem-3	Sem-5	Sem-1	Sem-3	Sem-5	Sem-7	Sem-1	Sem-3	1 Year	
1	Semester Start Date	01-08-2024	22-07-2024	01-07-2024	N/A	N/A	22-07-2024	22-07-2024	01-08-2024	01-07-2024	01-08-2024	
2	Semester End Date	21-12-2024	07-12-2024	22-11-2024	N/A	N/A	14-12-2024	14-12-2024	21-12-2024	22-11-2024	30-04-2025	
3	Mid Term - 1 Exam Date	12-11-2024	14-10-2024	14-10-2024	N/A	N/A	14-10-2024	14-10-2024	12-11-2024	14-10-2024	12-11-2024	
4	Mid Term - 2 Exam Date	02-12-2024	12-11-2024	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5	Total Working Days	90	91	91	N/A	N/A	92	92	90	91	180	
6	Remedial Classes Date	23-12-2024	09-12-2024	25-11-2024	N/A	N/A	16-12-2024	16-12-2024	23-12-2024	25-11-2024	N/A	
7	End term Theory Exam date	30-12-2024	16-12-2024	02-12-2024	N/A	N/A	23-12-2024	23-12-2024	30-12-2024	02-12-2024	N/A	
8	End term Practical Exam date	07-01-2025	26-12-2024	16-12-2024	N/A	N/A	02-01-2025	02-01-2025	09-01-2025	12-12-2024	N/A	
9	Internal Practical Examination	11-12-2024	22-10-2024	23-10-2024	NA	NA	23-10-2024	23-10-2024	11-12-2024	21-10-2024	N/A	

Principal
B.M College of Basic & Applied Sciences
Bhagwan Mahavir University
VIP Road, Surat-395007.

ANNEXURE 02: Event Reports and Photographs

Date of Event:	09/08/2024					
Name &Type of Event (online/offline):	Microbiology Literacy Program for School students					
Guest Speaker :	-					
Conducted By:	Microbiology Department, BMCBAS, Bhagwan Mahavir University					
No. of Participants:	Staff: 03		Students: 150		Total:153	
	Male	Female	Male	Female	Male	Female
	-	-	-	-	-	-
Venue:	BMCBAS Seminar Hall and Microbiology Department					

INTRODUCTION: The Microbiology Society of India is the union that promotes microbiology and spreads awareness of microbiology. The Bhagwan Mahavir College of Basic and Applied Sciences Microbiology department is an active member of MBSI. Under the aegis of MBSI BMCBAS organized a visit of the Microbiology department for students of L.P Savani school to introduce the microbial world and create awareness related to Microbiology. To aware students there were several activities were held in Microbiology department. The students were introduced to different instruments like Autoclaves, Hot air Oven, Microscopes, centrifuges, PH meter, Colorimeter etc. students were also introduced with microorganisms which are friends to human. Applications of Microorganism which is beneficial to humans and used in day-to-day routine were introduced to students. And another aspect the foe microorganisms which are involved in spoilage and cause disease were also introduced to students. Several permanent slides and movement of different microorganisms like bacteria, algae, and fungi were shown.

EVENT STRUCTURE:

Event	Time
Welcome speech	9.00 am to 9.30 am
Visit at Microbiology Department	9.30 am to 10.45am
Closing ceremony	10.45 am - 11.00am

Report Submitted By

Name : Dr. Murtaza Hajoori

Designation : Assistant Professor

Constituent College Name: BMCBAS, BMU

Date of Event:	**31/08/2024**		
Name &Type of Event (online/offline):	**Drawing competition (offline)**		
Guest Speaker :	—-		
Conducted By:	**Microbiology Department, BMCBAS, BMU**		
Student Coordinators:	**Harsh Moradiya (President)**	**Pratik Gupta (Secretory)**	**Dhruvi Sharma (Treasurer)**
Faculty Coordinator:	**Ms. Neha Maisuria** **Ms.** Purva Patel		
No. of Participants	**14**		
Venue:	**Microbiology Department**		

INTRODUCTION:

The Microbiology Society of India is a union that promotes microbiology and spreads awareness of it. The Bhagwan Mahavir College of Basic and Applied Sciences Microbiology department is an active member of MBSI. Under MBSI, an Intra-College Drawing competition was organized for the students of the Microbiology department. The Drawing competition was based on themes like Microorganisms: Friend and Foe, Role of Microorganisms in Sustainable Development, Application of AI in Microbiology, and Bioterrorism. Participants selected the theme and performed the activity. The best Drawing from each theme was appreciated with a certificate of best performance.

EVENT STRUCTURE:

Event	**Time**
Welcome speech	12.00 pm to 12.15 pm
Drawing Competition	12.15 pm to 2.15 pm
Closing ceremony	2.15 pm to 2.30 pm

PROGRAM OUTCOMES-

The best performance among all the participant were-

1. Microorganisms: Friend and Foe - Malga Kruti, B.Sc Int. M.L.T sem-7
2. Role of Microorganisms in Sustainable Development- Prachi Agarawal, B.Sc Microbiology sem-3
3. Application of AI in Microbiology- V. Uday Kiran, M,sc Microbiology, Sem-1
4. Bioterrorism- Pratik Gupta, B.Sc Microbiology sem-3

- The primary goal of this competition is to encourage creativity, educate students on the given Microbiological theme, and promote a passion for art among the students in context to enhance their interest in the subject differently.

POSTER CREATIVE:

Event Photographs:

Attendance sheet

Name	Theme
Pratik Gupta	Bioterrorism
keyur	Bioterrorism
Keval Ajudiya	Bioterrorism
Urvashi Maurya	Bioterrorism
Dhruvi Sharma	Bioterrorism
Mehul Jadav	Bioterrorism
Ayush Dharoliya	Bioterrorism
Falguni Jadav	Microorganisms: Friend and Foe
Anisha Konti	Microorganisms: Friend and Foe
Rupesh Surushe	Microorganisms: Friend and Foe
Harsh Moradiya	Microorganisms: Friend and Foe
Kruti Malga	Microorganisms: Friend and Foe
Prachi Agarawal	Role of Microorganisms in Sustainable Development
V. Uday Kiran	Application of AI in Microbiology

Report Submitted By

Name : Dr. Mutaza Hajoori

Designation : Assistant Professor

Constituent College Name: BMCBAS, BMU

Date of Event:	04/09/2024		
Name &Type of Event (online/offline)	Visit to the Blood bank at Surat Raktadan Kendra(offline)		
Guest Speaker:	-		
Conducted By	Bhagwan Mahavir College of Basic and Applied Sciences		
No. of Participants	Staff:03	Students: 63	Total:66
Faculty Incharge	Dr. Murtaza Hajoori	Ms. Purva Patel	Ms. Rukhsar Ansari
Venue:	1st floor,Khatodara health centre, near chosath jognimata temple, udhana magdalla road, Surat,Gujarat,395002		

INTRODUCTION:

- **Students of B.Sc and M.Sc medical laboratory technology, B.Sc microbiology, and PGDMLT are scheduled to visit the Blood bank at Surat Raktadan Kendra.**
- An educational visit to Surat Raktadan Kendra and Research Centre was organized for students of 5th-semester B.Sc Medical Laboratory Technology, 5th-semester B.Sc Microbiology, 7th-semester B.Sc Integrated Medical Laboratory Technology, 1st-semester M.Sc Medical Laboratory Technology, and PGDMLT on 4th September 2024. The visit started with a brief introduction by the Quality Assurance and Blood Transfusion Officers. Students learned about the donor selection criteria, donor screening procedure, transfusion, transmissible infectious diseases testing techniques, blood grouping techniques, component separation techniques, and cross-matching techniques. They further received information regarding the different types of laboratory equipment used in the centre. The student had also visited the RT-PCR zone and blood storage room. It was a valuable learning experience as the students received ample knowledge about blood donation and blood banking techniques.

The Visit Schedule:

Sr no	Time	Outline of the program
1	The visit starts from BMU	10:45 a.m.
2	Reach Surat Raktadan Kendra	11:15 a.m.
4	Leave Surat Raktadan Kendra	1:30 a.m.
6	Reach BMU	2:00 a.m.

Blood bank Visit Photographs:

Blood bank Visit Photographs:




Report Submitted By :

Name: Dr. Murtaza Hajoori

Designation: Assistant Professor

Constituent College Name: Bhagwan Mahavir College of Basic and Applied Sciences

<table>
<tr><td>Date of Event:</td><td colspan="6">05/09/2024</td></tr>
<tr><td>Name &Type of Event (online/offline):</td><td colspan="6">Teaching competition</td></tr>
<tr><td>Guest Speaker :</td><td colspan="6">-</td></tr>
<tr><td>Conducted By:</td><td colspan="6">Microbiology department, Bhagwan Mahavir college of basic and applied sciences, Bhagwan Mahavir University</td></tr>
<tr><td rowspan="3">No. of Participants:</td><td colspan="2">Attendies: 45</td><td colspan="2">Participants: 12</td><td colspan="2">Total:57</td></tr>
<tr><td>Male</td><td>Female</td><td>Male</td><td>Female</td><td>Male</td><td>Female</td></tr>
<tr><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>Venue:</td><td colspan="6">Microbiology Department,BMCBAS</td></tr>
</table>

INTRODUCTION:

Teacher's Day is a special occasion celebrated worldwide to honor and appreciate teachers' hard work, dedication, and sacrifices in shaping the future generation. The celebration of Teacher's Day is important for several reasons. Firstly, it provides an opportunity to acknowledge teachers' significant role in shaping the future generation. Teachers are responsible for imparting knowledge and instilling values, morals, and life skills in their students. Secondly, Teacher's Day recognizes the challenges and sacrifices that teachers face in their profession.

Event structure:

Teaching competition was held at the microbiology department among all the bachelor's and master's students. There were a total of twelve participants from different classes. The competition had begun at 10:30 A.M. Each student was given 20 minutes to deliver their lecture. After the competition there was a celebration held and several activities like Musical chair and different chair arranged by students. Three alumni students of microbiology department involved in teaching was also invited to the celebration.

PROGRAM OUTCOME:

All the students had performed very well and with full of heart they made the event so great and memorable. All the students were provided with a token of appreciation and appreciation certificates for their performances. Moksha bapotra from B.sc Microbiology sem-3, Zikra Khan from B.sc Microbiology sem-1 and Amar Singh from B.sc Microbiology sem-1 was appreciated as best performers. The best performance of students was appreciated by gifts.

Event Photographs:

Report Submitted By

Name : Dr. Murtaza Hajoori

Designation : Assistant Professor

Constituent College Name: BMCBAS, BMU

Date of Event:	**21/09/2024**		
Name &Type of Event (online/offline):	**Rangoli competition (offline)**		
Guest Speaker :	—-		
Conducted By:	**Microbiology Department, BMCBAS, BMU**		
Student Coordinators:	**Harsh Moradiya (President)**	**Pratik Gupta (Secretory)**	**Dhruvi Sharma (Treasurer)**
Faculty Coordinator:	**Ms. Trupti Pandya** **Ms. Rukshar Ansari**		
No. of Participants	UG	PG	
	34(17 team)	06 (3 team)	
Venue:	**Microbiology Department**		

INTRODUCTION:

The Microbiology Society of India is a union that promotes microbiology and spreads awareness of it. The Bhagwan Mahavir College of Basic and Applied Sciences Microbiology department is an active member of MBSI. Under MBSI, an Intra-College Rangoli competition was organized for the students of the Microbiology department. The Rangoli competition was based on themes like the Morphology of Microorganism in UG and the Representation of Scientists in PG. Participants selected the theme and performed the activity. The best three Rangoli was appreciated.

EVENT STRUCTURE:

Event	**Time**
Welcome speech	1.00 pm to 1.15 pm
Drawing Competition	1.15 pm to 3.15 pm
Closing ceremony	3.15 pm to 3.30 pm

PROGRAM OUTCOMES-

The best performance among all the participants were-

1. - UG-09, Behera Sangeeta & Sapna singh,

Theme	Participant code & Name		Class	Rangoli
Morphology of Microorganisms	UG-09	Sangeeta Behera Sapna Singh	B.Sc M.L.T sem-5	
Morphology of Microorganisms	UG-17	Sumaiya Khushi	B.Sc Biotechnology sem-3	
Morphology of Microorganisms	UG-03	Moksha Bapotra Bhumika Hadiya	B.Sc Microbiology sem-3	

- The primary goal of this competition is to encourage creativity, educate students on the

given Microbiological theme, and promote a passion for art among the students in context to enhance their interest in the subject differently.

POSTER CREATIVE

Event Photographs:

Report Submitted By

Name : Dr. Mutaza Hajoori

Designation : Assistant Professor

Constituent College Name: BMCBAS, BMU

Date of Event:	October 05th 2024	
Name &Type of Event (online/offline)	Launching of Research Journal Club	
Guest Speaker:	---	
Conducted By		
No. of Participants	Staff: 19	Students: 43
Venue:	Seminar hall BMCBAS	

INTRODUCTION:

The launch of the Research Journal Club has been a successful initiative aimed at enhancing academic engagement and collaboration. A Research Journal Club serves as a platform for students, researchers, and faculty to engage with current research literature, enhance critical thinking skills, and foster collaborative learning.

EVENT STRUCTURE:

Time	**Schedule**
12:00 PM - 12:03 PM	Opening Session
12:03 PM - 12:05 PM	Invocation
12:05 PM - 12:15PM	Welcome Address by Director, Dr. Vineet Jain, BMCBAS
12:15 PM - 11:25 PM	Session : Dr. Sumita Dasgupta - Aim, Objectives and Policies of Research Journal Club
12:25 PM - 01:10 PM	Presentation of students Ms. Shivani Vekariya, M.Sc. Biotechnology Semester-1 Ms. Jiya Singh B.Sc. Biotechnology Semester-3 Mr. Yashesh Maroliya, M.Sc. Organic Chemistry Semester-3 Ms. Urwashi Maurya, M.Sc. Microbiology. Semester-1
01:10 PM - 01:15 PM	Vote of Thanks by Dr. Khushbu Patel

01:15 PM - 01:25 PM	National Anthem End of Session

ABOUT THE SPEAKER:

PROGRAM:

The Research Journal Club was officially launched on October 5, 2024, at Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University, Surat. The event, moderated by Ms. Rukhsar Ansari, commenced at 12:00 AM and concluded at 01:25 PM. The programme included various components designed to inform and inspire participants about the goals and activities of the Research Journal Club. The session began with a warm welcome to all attendees, highlighting the importance of the Research Journal Club in fostering academic dialogue and research engagement followed by invocation that set a positive tone for the gathering, encouraging a spirit of inquiry and collaboration. The Director of BMCBAS, Dr. Vineet Jain delivered an inspiring welcome address, emphasizing the significance of engaging with current research literature and the potential impact of the club on the academic community. He also encouraged all attendees to actively participate and make the most of the opportunities the club presents. After that Dr. Sumita Dasgupta presented on the aims, objectives, and policies of the Research Journal Club. She outlined how the club would serve as a platform for critical engagement with research literature, emphasizing the importance of developing analytical skills and fostering collaboration among members. A significant portion of the session was dedicated to presentations by students:

- **Ms. Shivani Vekariya, M.Sc. Biotechnology Semester-1**
- **Ms. Jiya Singh B.Sc. Biotechnology Semester-3**
- **Mr. Yashesh Maroliya, M.Sc. Organic Chemistry Semester-3**
- **Ms. Urwashi Maurya, M.Sc. Microbiology. Semester-1**

Each student presented their insights on selected research topics, demonstrating their analytical capabilities and engaging the audience in meaningful discussions.

Following their presentations, the participating students were felicitated with gifts to recognize their efforts and motivate both them and their peers.

After that Dr. Khushbu Patel delivered a vote of thanks, acknowledging the contributions of the organizers,

participants and all the attendees for making the event successful. The session concluded with the National Anthem, fostering a sense of unity and pride among all attendees.

POSTER CREATIVE:

Event Photographs:

Report Submitted By:

Name: Dr.Khushbu Patel

Designation: Assistant Professor

Constituent College Name: Bhagwan Mahavir College of Basic and Applied Scienes.

Date of Event:	09.10.2024		
Name &Type of Event (online/offline):	Expert lecture series- offline		
Guest Speaker :	Dr. Naresh Butani		
Conducted By:	Microbiology department,BMCBAS		
No. of Participants:	Staff: 10	Students:60	Total: 70
Venue:	BMCBAS seminar hall		

Introduction:

The Expert Lecture Series on "Microbes in Sustainable Development" provided a comprehensive exploration of how microbes are integral to achieving sustainable development goals (SDGs). The event brought together leading microbiologists, environmental scientists, and industry experts who shared insights on the role of microorganisms in environmental conservation, agriculture, and biotechnology.

Event Structure:

The microbiology department at Bhagwan Mahavir College of Basic and applied sciences, Bhagwan Mahavir University organized an expert lecture series on 9th october 2024. Expert microbiologists Dr. Naresh Butani was the chief guest of the event had took lectures on Microbes in sustainable development. More than 100 students attended the event and made the event successful. the event had begun with the opening ceremony which was held at the seminar hall of the science college, the program was begun with the welcome address which was delivered by the dean of BMCBAS Dr. Vineet Jain. The expert series was held to enlighten the students with the sky of microbiology and also give a glance at the application and future aspects of microbiology. The program was successfully terminated after certificate distribution.

About Guest:

Dr. Naresh Butani, Assistant professor at Shree Ramkrishna Institute of Computer Education and Applied Sciences, Sarvajani University, Surat. He is an Experienced Assistant Professor with a demonstrated history of working in the higher education institution. Skilled in Microbiology, Molecular Biology, Biotechnology, Bioremediation and industrial biotechnology. Strong education professional with a Ph. D. focused in Bioremediation from VNSG University. He is working from more than 15 years in the area and He had attended many national internation conferences and published research in many field.

PROGRAM :

Bhagwan Mahavir College of Basic and Applied Sciences

(Constituent College of Bhagwan Mahavir Universi

Program Schedule

Expert lecture series on Microbes in sustainable development

Venue: seminar hall, BMCBAS, BMU

Wednesday, 9th October,2024

Time- 2.30 p.m. Onwards.

Moderator: Ms. Rukhsar Ansari

Time	Schedule
2.30 p.m. to 2.35 p.m.	Opening session
2.35 p.m. to 2.40 p.m.	Invocation
2.40 p.m. to 2.45 p.m.	Welcome Address by Principal, BMCBAS
2.45 p.m. to 4.30 p.m.	Expert lecture by Resource person
4.35 p.m. to 4.40 p.m.	Appreciation and Facilitation of resource person
4.40 p.m. to 4.45 p.m.	Vote of Thanks
4.45 p.m. to 4.50 p.m.	National anthem

Event Cordinator- Ms. Saloni Gautam

Head of the Department- Dr. Murtaza Hajoori

Event Photographs:

Report Submitted By

Name : Dr. Murtaza Hajoori

Designation : Assistant Professor

Constituent College Name: BMCBAS,BMU

<table>
<tr><td>Date of Event:</td><td colspan="6">24/10/2024</td></tr>
<tr><td>Name &Type of Event (online/offline):</td><td colspan="6">Webinar on “HUMAN ANATOMY AND PHYSIOLOGY: BRIDGING STRUCTURE AND FUNCTION IN HUMAN BODY”</td></tr>
<tr><td>Guest Speaker :</td><td colspan="6">Speaker- Dr. Bhupendra I. Shah</td></tr>
<tr><td>Conducted By:</td><td colspan="6">Microbiology Department, BMCBAS, Bhagwan Mahavir University</td></tr>
<tr><td rowspan="3">No. of Participants:</td><td colspan="2">Staff: 10</td><td colspan="2">Students: 79</td><td colspan="2">Total: 89</td></tr>
<tr><td>Male</td><td>Female</td><td>Male</td><td>Female</td><td>Male</td><td>Female</td></tr>
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<tr><td>Venue:</td><td colspan="6">BMCBAS Seminar Hall and Microbiology Department</td></tr>
</table>

INTRODUCTION: The Microbiology Department of BMCBAS, Bhagwan Mahavir University, organized a webinar on "Human Anatomy and Physiology: Bridging Structure and Function in the Human Body" on October 24, 2024. This webinar aimed to provide students and faculty with a comprehensive understanding of the intricate relationship between the structure and function of various organ systems in the human body. Dr. Bhupendra I. Shah, a renowned expert in the field, served as the guest speaker. The webinar covered key anatomical structures and their corresponding physiological processes, emphasizing how they work together to maintain homeostasis and overall health. This session was designed to enhance participants' knowledge of human anatomy and physiology, which is fundamental to various disciplines within the health sciences. The target audience included students and faculty from BMCBAS. Moreover, E-certificates have been provided to participants of the webinar.

EVENT STRUCTURE:

Time	**Schedule**
9.30 to 9.45 am	**Opening session**
9.45 to 9.55 am	**Welcome Address by Principal, BMCBAS**
10.00 am to 12:00 pm	**Expert lecture by Resource person**
12:00 pm to 12:10 pm	**Q & A Session**
12:10 pm to 12:15 pm	**Vote of Thanks by Dr. Murtaza Hajoori**

PROGRAM OUTCOMES:

POSTER CREATIVE:

Upon completion of this webinar, participants were expected to:

- Gain a deeper understanding of the hierarchical organization of the human body, from cells to organ systems.
- Comprehend the key anatomical structures of major organ systems, including (but not limited to) the skeletal, muscular, nervous, cardiovascular, respiratory, digestive, and urinary systems.
- Explain the physiological processes associated with each organ system and how these processes contribute to overall body function.
- Understand the intricate relationship between structure and function, recognizing how the form of an anatomical structure is directly related to its physiological role.
- Apply their knowledge of anatomy and physiology to understand health and disease processes.
- Enhance their critical thinking and problem-solving skills in the context of human health.
- Become familiar with current research and advancements in the field of human anatomy and physiology. (If applicable)
- Develop a stronger foundation for further studies in related fields such as medicine, allied health sciences, and biomedical research.

Event Photographs:

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BHAGWAN MAHAVIR COLLEGE OF BASIC AND APPLIED SCIENCES
(CONSTITUENT COLLEGE OF BHAGWAN MAHAVIR UNIVERSITY)
E-CERTIFICATE
THIS CERTIFICATE IS PROUDLY PRESENTED TO
GUPTA PRATIK PRAMOD
For attending webinar entitled
" HUMAN ANATOMY AND PHYSIOLOGY:
BRIDGING STRUCTURE AND FUNCTION IN HUMAN BODY "
held on 24th October, 2024, organized by Bhagwan Mahavir College of Basic and Applied Sciences, Vesu,Surat.
Ms. Neha Maisuria
EVENT COORDINATOR, BMCBAS
Dr. Murtaza Hajoori
HOD , MICROBIOLOGY, BMCBAS
Dr. Vineet Jain
PRINCIPAL, BMCBAS
BMU Campus, VIP Road, Bharthana Road, Vesu, Surat, Gujarat 395007.
Website: www.bmusurat.ac.in</td>
</tr>
</table>

Report Submitted By

Name :

Designation :

Constituent College Name: BMCBAS, BMU

Date of Event :	25/10/2024		
Name of Event	ECO ART RANGOLI COMPETETION & CREATIVE REUSE CONTEST		
Conducted By:	Chemistry Department under NSS unit of BMCBAS		
No. of Participants:	Staff: 09	Students: 11	Total: 20
Venue:	Passage of BMCBAS Seminar Hall		

INTRODUCTION:

In today's world, where environmental sustainability has become a critical focus, recycling and eco-friendly practices are not just trends but necessities. Recycling helps reduce waste, conserve natural resources, and lessen the pollution caused by excessive consumption. Similarly, eco-art especially through cultural practices like rangoli offers a creative approach to promoting sustainability. Eco-art rangoli, crafted from natural elements such as flowers, seeds, and leaves, not only minimizes the environmental impact but also preserves and celebrates traditional art forms in a sustainable way. These practices remind us that small, creative efforts can contribute to larger environmental goals, fostering an appreciation for nature and responsibility toward the planet.

Programme:

The Eco Art Rangoli Competition and Creative Reuse Contest at BMCBAS was held from 11:00 AM to 1:00 PM with the goal of encouraging sustainable practices through art. Participants and attendees alike were inspired to explore creative reuse and eco-friendly design. Held in the passage of the BMCBAS seminar hall, the event transformed the space into a colorful and environmentally conscious display of creativity. Dr. Khushbu Patel served as the event coordinator, with Mr. Bhargav Kothiya as the NSS coordinator, ensuring a smooth and engaging experience for all involved.
The event began with a registration and welcome session from 11:00 AM to 11:10 AM, followed by an overview of the Eco-Art Rangoli and Creative Reuse Contest rules from 11:10 AM to 11:20 AM.

The Director then gave a motivational address from 11:20 AM to 11:30 AM, emphasizing the importance of sustainable art. Participants were then given time from 11:30 AM to 12:30 PM to craft their entries, which included elaborate floral rangolis and innovative decor items made from recyclable materials.

The judging panel, consisting of the Heads of Departments and faculty from all three departments at BMCBAS, evaluated each entry based on specific criteria. The judging criteria for the Rangoli Art Competition included:

- Overall Appearance
- Creativity
- Material Used
- Color Combination
- Clarity in Rangoli Art

For the Creative Reuse Contest, judging criteria focused on:

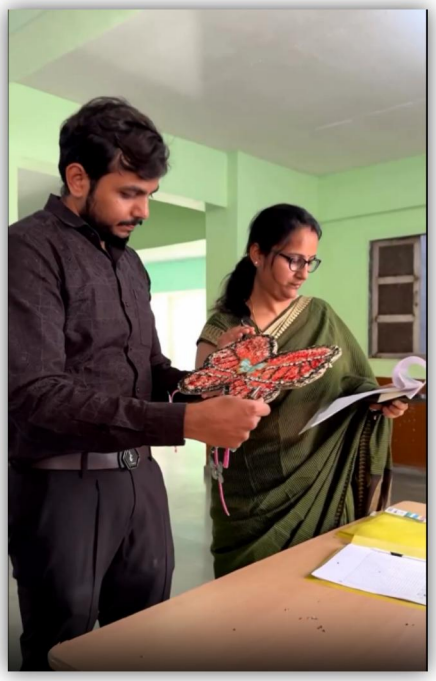
- Originality & Innovation
- Effective & Imaginative Use of Recycled Material
- Visual Attractiveness
- Environmental Impact.

Each participant also had the opportunity to discuss their concepts and materials with the judges, enhancing the educational aspect of the event. The competition concluded at 12:30 PM, followed by the closing remarks and prize distribution ceremony from 12:30 PM to 12:40 PM. The winner received a gift in recognition of their outstanding creativity, while all remaining participants were awarded e-certificates, acknowledging their efforts and contributions.

This celebration of sustainable art left attendees motivated to incorporate eco-friendly practices into their lives, fostering a greater sense of responsibility toward the environment.

POSTER
CREATIVE:

Event Photographs:



Attendance Sheet:

Bhagwan Mahavir College of Basic and Applied Sciences,Surat

Eco-Art Rangoli Compitition and Creative Reuse Contest
Participants attendance

Sr.no.	Registration no	Compititon name	Name of participant/s	Department	Sign
1.	008	Creative Reuse.	Parmar Kushik Shreyash Bhalia	B.Sc Chemistry " chemistry	Parmar.K. Bhalia
2.	012	Creative Reuse	Vishwas.	" chemistry	
3.	007	Creative Reuse	meet parth	" Chemistry " Chemistry	
4.	002	Creative	Yashesh	m.sc chemistry	Yashesh.
5.		Reuse	Dhruvil	" chemistry	
6.	001	Reuse.	Niraj. pandey	msc - Chemistry	
7.	003	Rangoli	Pooj Maurya	Msc - chemis	P. Maurya
8.	011	Rangoli	Patel Priyanshi	B.Sc. MLT	Priyanshi
9.	010	Creative reuse	Payal Lohar	B.Sc. MLT	Payal

Bhagwan Mahavir College of Basic and Applied Sciences,Surat

Eco-Art Rangoli Compitition and Creative Reuse Contest

Attendance

Sr. No	Student Name	Department	Sign
1	Yogesh Parmar	M.Sc.(O.C)S-3	
2	Meet Patel	M.S.C(O.C)S-3	
3	Harsh Patel	M.Sc.(O.C)S-3	
4	Pandey Nirraj.	M.Sc (O.C) S-3	
5.	Nayar m	M.Sc Sem.	
6.	Sahil A. Sharma	M.Sc Sem-1	
7.	Patel Krish V.	M Sc Sem-1	
8.	Patel Darsh B.	M.Sc Sem-1	D. B. Patel
9.	Chauhan Rushi Dharmesh	M.Sc. Sem-1	R.D chauhan
10	Zikra Khan	B.Sc Sem1	Khan
11.	Upasna	B.Sc Sem-1	Upasna
12	Saleha	B.Sc Sem-1	
13	Kumkum	Bsc Sem-1	
14	Soni	B.Sc Sem-1	Soni
15.	Bhavani Shruthi	B.Sc chem. Sem-3	
16.	Panchani Vatsal	Bsc chem sem3	Vatsal
17	Ankit Keshav	B.Sc-Chemistry	Ankit

Bhagwan Mahavir College of Basic & Applied Sciences
Constituent College of Bhagwan Mahavir University

Teaching Staff List

Sr. No	Name of Staff	sign.
1	Dr. Vineet C. Jain	
2	Dr. Sumita Dasgupta	
3	Dr. Pooja Desai	
4	Dr. Murtaza Hajoori	
5	Dr. Nomeshvar Yadav	
6	Dr. Husen Hajiyani	
7	Mr. Rahil Shaikh	
8	Dr. Khushbu Patel	
9	Dr. Ankit Shah	
10	Dr. Krishna Soni	
11	Ms. Bhumi Sachapara	
12	Ms. Shikha Agrawal	
13	Mr. Bhargav Kothiya	
14	Ms. Maitri Mistry	
15	Mr. Ankur K. Patel	
16	Ms. Richa Singh	
17	Ms. Neha Tarpara	
18	Ms. Yagna Patel	
19	Ms Patel Purva	
20	Dr. Patel Payal	
21	Ms. Gautam Saloni	
22	Ms. Trupti Pandya	
23	Ms. Jyoti Kumawat	
24	Ms. Rukhsar Ansari	
25	Ms. Yesha Patel	
26	Ms. Neha maisuria	
27	Ms. Bhatt Ayushi	
28	Ms. Hani Solanki	
29	Mrs. Mohini Bharti	

Students Feedback

Bhagwan Mahavir College of Basic and Applied Sciences,Surat

Eco-Art Rangoli Compitition and Creative Reuse Contest
Student Feedback

Sr. No.	Feedback	Department	Sign
1.	West to best creativ creativity unique craftmanship and material quality, but could improve by expensive product attractive	M.Sc. Sem 3	
2.	its is the Expressing to our skill on. our edeleation Stage level imporomation of the Communication Skill and. Expandation of Knowledge.	M. Sc-Sem	M. Sem
3.	Your skill and Creativity Stood out remarkably	Sem-1 Msc.s	Saved
4.	very Good	Sem-3 BSc	Thanks.
5)	Good	Sem-3 BSc	Vidhya
6)	Excellent.	Sem-3 BSc	Harsh
7)	Students have done a great work. very creative.		

Creative reuse contest Voting Sheet

Sr. No	Registration No.	No. of vote given by viewers					
		Originality & Innovation	reused item	Effective & imaginative use of recycled material	Visual Attractiveness	Environmental impact	Total No. of ~~Person~~ Vote
1	001	II	I	II	IIII IIII	II	17
2.	002	I	II			III	06
3.	007		II			II	04
4.	008					III	03
5.	010						
6.	012					I	01

Report Submitted By

Dr. Khushboo Patel,
Designation: Assistant Professor

Mr. Bhargav Kothiya,
NSS Programme officer
Designation: Ad hoc Assistant Profe

	12.11.2024 to18.11.2024
Name & Type of Event (online/offline):	**Faculty development program on Tools and Techniques in Bioinformatics.**
Speaker :	**Dr. Pravin Dudhagara, Dr. Dushyant Dudhagara, Dr. Manoj Rathod, Dr. Ashaka Vansia, Dr. Naishad Solanki, Dr. Murtaza Hajoori**
Conducted By:	**Microbiology Department, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University, Surat**
No. of Participants:	**20**
Venue:	**Seminar Hall, BMCBAS, Bhagwan Mahavir University, Surat**

INTRODUCTION:

The microbiology department at Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University, organized a Faculty development program on "**Tools and Techniques in Bioinformatics"** under the guidance of **Dr. Vineet C. Jain**, Director of BMCBAS, **Dr. Murtaza Hajoori**, head of the microbiology department and **Ms. Neha Tarpara** program coordinator.

Date	Time	Resource Persons	Topic
Registration : 10:00 A.M. to 10:30 A.M			
Inauguration Ceremony : 10:30 A.M. to 11:00 A.M			
12.11.2024	11:05 A.M. to 01:00 P.M.	**Dr. Pravin R. Dudhagara** Assistant Professor, Department of Biosciences, VNSGU, Surat	Key Note Address
	01:30 P.M. to 03:30 P.M.	**Dr. Murtaza Hajoori** Assistant Professor, Bhagwan Mahavir College of Basic & Applied Sciences, Surat	Data Analytics through Biological Databases
13.11.2024	10:30 A.M. to 12:00 P.M.	**Dr. Dushyant Dudhagara** Assistant Professor, Department of Life Sciences, Bhakta Kavi Narsinh Mehta University, Junagadh, Gujarat	Sequence Analysis & Phylogenetic Analysis : Concept & Tools
	12:30 P.M. to 03:30 P.M.	**Dr. Manoj Rathod** S. D. Jain International College, Palsana	Tools in Cheminformatics
14.11.2024	10:30 A.M. to 12:00 P.M.	**Dr. Murtaza Hajoori** Assistant Professor, Bhagwan Mahavir College of Basic & Applied Sciences, Surat	Tools for Genomics
	12:30 P.M. to 03:30 P.M.	**Dr. Ashaka Shailesh Vansia** Research Associate (GSBTM sponsored project), Department of Biosciences, VNSGU, Surat	AMR & NGS Data Analysis

15.11.2024	10:30 A.M. to 12:00 P.M.	**Dr. Murtaza Hajoori** Assistant Professor, Bhagwan Mahavir College of Basic & Applied Sciences, Surat	Concept of Structural Biology
	12:30 P.M. to 03:30 P.M.	**Dr. Murtaza Hajoori** Assistant Professor, Bhagwan Mahavir College of Basic & Applied Sciences, Surat	Tools of Proteomics
16.11.2024	10:30 A.M. to 12:00 P.M.	**Dr. Naishad Solanki** C. K. Pithawala Pharmacy & Research, Surat	"Bioinformatics in Drug Discovery: From Target Identification to Clinical Trials"
	12:30 P.M. to 03:30 P.M.	**Dr. Naishad Solanki** C. K. Pithawala Pharmacy & Research, Surat	**CADD** – Ligand/structure based drug designing, QSAR
18.11.2024	11:00 A.M. to 01:00 P.M.	**Dr. Maulik Ranchh** Manager – R & D Arkray Health Care, Udhana, Surat	Primer Designing : Concept & Tools
	02:00 P.M. to 03:00 P.M.	**Valedictory Function**	

Speaker's Profile:

Speaker 1: Dr. Pravin R. Dudhagara, an Assistant Professor in the Department of Biosciences at VNSGU, is a Microbiology specialist dedicated to mastering and applying innovative techniques grounded in fundamental principles. With 11 years of experience, he has made significant contributions to his field, publishing 39 research papers and authoring two books. His expertise spans extremophiles, molecular biology, metagenomics, and applied microbiology, with active projects focusing on microbiome analysis, industrial wastewater treatment, and antimicrobial resistance. Dr. Dudhagara is also

engaged in COVID-19 surveillance through sewage monitoring.

His participation in national and international knowledge exchanges underscores his commitment to advancing applied microbiology**.**

Speaker 2: Dr. Dushyant Dudhagara holds an M.Sc., Ph.D., and Postdoctoral qualifications, specializing in Environmental and Molecular Microbiology. He his working at Kavi Narsinh Mehta University With 4 years of teaching experience and 11 research papers, he has authored one book and collaborated internationally with Denmark. He is also associated with GSBTM, reflecting his active engagement in research and academia.

Speaker 3: Dr. Manojkumar K. Rathod is an **Assistant Professor** with 12 years of experience, holding a Ph.D. in Chemistry from NIT Surat and an M.Phil. in Bioinformatics from Saurashtra University. Recognized as a supervising teacher for M.Phil. and Ph.D. in Chemistry, he actively contributes to academia as a member of editorial and reviewer boards for various journals. Dr. Rathod has published five research papers and presented ten works at national and international journals and conferences, showcasing his dedication to research and scholarly communication.

Speaker 4: Dr. Ashaka Vansia, a Ph.D. in Biotechnology from Veer Narmad South Gujarat University (VNSGU), Surat, is a proficient researcher specializing in antimicrobial resistance and microbiological techniques. With expertise spanning molecular biology, bioinformatics, and advanced instrumentation, she has contributed significantly to projects on antimicrobial resistance profiling, urogenital bacterial pathogens, and mesenchymal stem cell culture. She has alsodeveloped a web-based antimicrobial susceptibility reporting system.

Speaker 5: Dr. Naishadh Ishwarbhai Solanki, an Assistant Professor in the Department of Pharmachemistry, holds an M.Pharm and a Ph.D. With over 13 years and 9 months of professional experience, he brings extensive expertise and dedication to teaching and research in pharmaceutical chemistry.

Speaker 6: Dr. Murtaza Hajoori, Assistant Professor and Head of the Department of Microbiology at Bhagwan Mahavir College of Basic & Applied Sciences, Bhagwan Mahavir University, Surat, has 13 years of teaching experience and 5 years in environmental auditing. Holding a Ph.D. in Biosciences and advanced qualifications in Microbiology and Bioinformatics, he has published 19 research papers, 26 review articles, and guided over 60 postgraduate and undergraduate dissertations. Recognized as a Ph.D. supervisor, he has successfully mentored one Ph.D. student, with four more currently under his guidance.

Key Highlights of the event -

Highlights of Day1: Faculty Development Program on Tools & Techniques on Bioinformatics"

The Faculty Development Program (FDP) on "Tools & Techniques in Bioinformatics" was conducted with the aim of equipping faculty members with the latest developments in bioinformatics, a rapidly growing field that integrates biological sciences with computational techniques.
The inauguration ceremony and Day 1 sessions set a strong foundation for the FDP, providing participants with both theoretical knowledge and practical experience in bioinformatics. Dr. Vineet Jain, Director BMCBAS delivered welcome address and provides insight of FDP on Tools & Techniques in Bioinformatics. Dr. Manoj Kumar, Provost, Bhagwan Mahavir University address the faculty with their life long experience and motivate the faculty and organizing team for conducting this FDP. The Chief Guest & Keynote Speaker Dr. Pravin Dudhagara, assistant professor at department of Biosciences provide insight into Microbiome – Health connection with Bioinformatics. The interactive sessions allowed participants to engage with the content and tools actively, making the learning experience more effective and enjoyable.
The FDP is set to continue with more advanced sessions in the coming days, focusing on emerging bioinformatics tools, data analysis techniques, and applications in various fields of biological research. The program promises to be an invaluable resource for enhancing the quality of education and research in various discipline of science through bioinformatics application.

Highlights of Day 2: Faculty Development Program on Tools & Techniques in Bioinformatics

Day-2 of the Faculty Development Program (FDP) on Bioinformatics was packed with insightful sessions, featuring advanced topics in phylogenetic analysis and cheminformatics tools.

In session 1, Dr. Dushyant Dudhagara, Assistant Professor at BKNMU, Junagash delivers talk on Concept of Phylogenetic analysis and tools used for phylogenetic analysis. The session began with an overview of phylogenetics, exploring its role in understanding evolutionary relationships. Participants learned about sequence alignment techniques, tree-building algorithms, and interpretation of phylogenetic trees with brief working of software like MEGA and explain the significance of possible marker used for constructing and analyzing phylogenetic trees, facilitating a deeper understanding of evolutionary biology applications in bioinformatics.
Session 2 was conducted by Dr. Manoj Rathod, Assistant Professor, S. D. Jain international college, Palsana on "Tools of Cheminformatics", where the importance of computational techniques in drug discovery and molecular modeling was highlighted.

Attendees were introduced to cheminformatics tools for ligand designing, drug likeliness properties, ADME profiling and visualization tools for interaction between drug & target.
Hands on session were conducted using various tools and software for ligand designing
Each session concluded with interactive Q&A segments, where experts addressed queries, encouraged discussions, and shared real-world applications of the tools demonstrated.

Overall, Day-2 provided a strong blend of theory and practice, equipping participants with essential bioinformatics and cheminformatics skills that are crucial for research and teaching in the fields of evolutionary biology and drug design.

Highlights of Day-3 : Faculty Development Program on Tools & Techniques in Bioinformatics

Day-3 of the Faculty Development Program (FDP) on Bioinformatics was packed with insightful sessions, featuring topics in Tools for genomics and AMR and NGS data analysis.
In session 1, Dr.Murtaza Hajoori, Assistant Professor at BMU delivered a talk on the Concept of Genomics and tools used for Genomic analysis. The session began with an overview of Genomics and genome sequence alignments, exploring their role in understanding Phylogenetic relationships. Participants learned about sequence alignment techniques, and interpretation of alignment tools with brief working of software like BLAST and explained the significance of possible ways used for analyzing and aligning sequences, facilitating a deeper understanding of Genomics applications in bioinformatics.
Session 2 was conducted by Dr.Ashaka Vansia, Research associate, GSBTM Sponsored Project, Department of Biosciences, VNSGU, Surat, on "Tools of Cheminformatics", where the importance of Antimicrobial resistance and Next generation sequencing was highlighted.

Attendees were introduced to different antimicrobial-resistant approaches and different genes involved in antimicrobial resistance along with the example of several pathogenic organisms, and discussed different research opportunities that can generated by using these techniques. Participants also learned about the insilico AMR and its application and briefly discussed the CARD, EcOH, Res Finder, Plasmid Finder, and Bacterial AR reference gene database. Etc. Hands-on sessions were conducted using various tools and software for AMR and NGS like the Usegalaxy tool
Each session concluded with interactive Q&A segments, where experts addressed queries, encouraged discussions, and shared real-world applications of the tools demonstrated.

Highlights of Day-4 Faculty Development Program on Tools & Techniques in Bioinformatics
Theme: Tools for Proteomics.
The fourth day of the FDP centered on exploring bioinformatics tools for proteomics, emphasizing their applications in protein sequence, structure, and interaction analysis. The session was conducted by Dr. Murtaza Hajoori, Assistant Professor, BMCBAS, Surat.
Key tools discussed included:
1. Sequence Analysis: BLAST Tool for homology searches.
2. Prediction of gene by Genscan to predict possible protein.
3. Secondary structure prediction: Jpred4 and GOR IV
4. Structure Prediction by Homology modeling: SWISS-MODEL.
5. Assessment of protein by Ramachandran plot.
6. Protein active site prediction by Active Site prediction server.
7. Protein Interactions: Molecular docking with M-cule.

8. Protein visualization by Jmol & Rasmol.
Every session was carried out hands on to provide practical exposure to these tools, highlighting workflows for protein analysis and visualization. The session also addressed the integration of proteomics in multi-omics studies, its role in personalized medicine, and future challenges like managing data complexity.
The program equipped participants with valuable skills for applying proteomics tools in research and teaching, fostering innovation in bioinformatics.

Highlights of Day-5 Faculty Development Program on Tools & Techniques in Bioinformatics

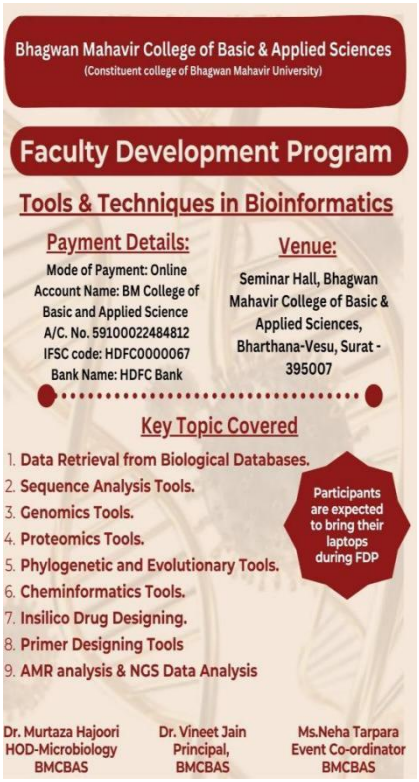
Day 5 of the Faculty Development Program focused on In-Silico Drug Designing and Quantitative Structure-Activity Relationship (QSAR). The session was conducted by Dr. Naishad Solanki, Assistant Professor at C. K. Pithawala college of Pharmacy, Surat. He introduced QSAR as a critical tool for predicting the relationship between chemical structures and biological activity, aiding in drug discovery. Key topics included molecular descriptor selection, statistical modeling techniques, and validation methods. The complete module of QSAR was operated on COlab platform highlighted for QSAR analysis and ADMET predictions. A hands-on session allowed participants to build and validate QSAR models, predict activity, and optimize lead compounds using real-world datasets. The session underscored QSAR's role in streamlining drug development by enabling efficient candidate screening and toxicity prediction.

Highlights of Day 6: Bioinformatics Tools & Techniques Faculty Development Program

The goal of the Faculty Development Program (FDP) on "Tools & Techniques in Bioinformatics" was to keep faculty members informed about the most recent developments in bioinformatics, a quickly developing discipline that combines computer techniques with biological sciences. Dr. Murtaza Hajoori led the first session on the sixth day, which included a case study on QSAR analysis of P38 kinase inhibitors. The learning process was engaging and successful because of the participants' active participation in the session and exploration of the QSAR analytic tools. The FDP came to a powerful close with the valedictory ceremony and the seminars on Day 6, which combined academic understanding with real-world bioinformatics experience. BMCBAS Director Dr. Vineet Jain gave the welcome speech and outlined the main conclusions from the chief guest for the valedictory session Dr. Vijay Matawala, Registrar of Bhagwan Mahavir University. The head of the microbiology department, Dr. Murtaza Hajoori, gave a report and summary of the Faculty Development Program (FDP). As a token of gratitude, the chief guest distributed certificates to each participant. The program saw active participation and enthusiasm from all attendees. The FDP's primary objective was to introduce esteemed educators to the newest methods and instruments revolutionizing the bioinformatics area. Participants were exposed to a range of subjects during the program, such as sophisticated data mining techniques, computational tools for sequence analysis, and cutting-edge genomic research methodologies. The session concluded with a Vote of Thanks delivered by the event coordinator, Ms. Neha Tarpara, who expressed her gratitude.

Conclusion -

The primary objective of this Faculty Development Program was to introduce and familiarize our esteemed
educators with the state-of-the-art tools and techniques that are revolutionizing the domain of Bioinformatics. Over the past few days, we've delved into various aspects — from computational tools for sequence analysis to cutting-edge methods for data mining and genomic research. We've not only learned to work with advanced
software but also explored how these tools can be applied in real-world research scenarios, empowering us as educators to impart the most relevant and up-to-date knowledge to our students.




Department of Biosciences, VNSGU


GPS Map Camera
Surat,Gujarat,India
Vesu, Surat, 395007, Gujarat, India
Lat 21.137948, Long 72.793459
11/16/2024 11:08 AM GMT+05:30
Note : Captured by GPS Map Camera

NewsPaper photograph :

દિવ્ય ભાસ્કર સુરત-સિટી ભાસ્કર 19-11-2024

ફેકલ્ટી ડેવલપમેન્ટ કાર્યક્રમનું આયોજન કરાયું

સુરત | મહાવીર કોલેજ ઓફ બેસિક એન્ડ એપ્લાયડ સાયન્સિસ દ્વારા એક અઠવાડિયાનો ફેકલ્ટી ડેવલપમેન્ટ કાર્યક્રમ 'ફૂડ્સ એન્ડ ટેક્નિક્સ ઈન બાયોઈન્ફોર્મેટિક્સ' યોજવામાં આવ્યો હતો. જેમાં નિષ્ણાંતોએ ઊંડાણપૂર્વક સંબંધિત વિષય પર પ્રાયોગિક જ્ઞાન પ્રદાન કર્યું હતું.

Report Submitted By

Name : Dr. Murtaza Hajoori

Designation : Assistant Professor

Constituent College Name: BMCBAS

Date of Event:	25/01/2025
Name &Type of Event (online/offline):	Cooking Without Fire Competition" at Bhagwan Mahavir College of Basic and Applied Sciences (Offline Mode)
Conducted By:	Bhagwan Mahavir College of Basic and Applied Sciences (BMCBAS), a constituent college of Bhagwan Mahavir University (BMU), Surat.
Judge:	Ms. Riddhi Vashi, Faculty at Dolat-Usha Institute of Applied Sciences and Dhiru-Sarla Institute of Management and Commerce, Valsad.
Coordinator:	Students
No. of Attendees:	23 (Male: 08 | Female: 15)
Venue:	Staff room, Microbiology Department, Bhagwan Mahavir College of Basic and Applied Sciences (BMCBAS), a constituent college of Bhagwan Mahavir University (BMU), Surat.

❖ **INTRODUCTION:**

As part of the vibrant Days Celebration, the institute organized a Cooking Without Fire Competition on 25th January 2025. The event aimed to encourage students to explore their culinary talents while promoting awareness about healthy eating practices and energy conservation. The competition provided an excellent platform for students to exhibit creativity, teamwork, and presentation skills—all without using heat or fire.

❖ **OBJECTIVES OF THE EVENT:**

- ✓ To promote creativity and innovation in food preparation.
- ✓ To encourage healthy eating habits among students.
- ✓ To foster teamwork and time management skills.
- ✓ To raise awareness about the importance of conserving energy and using sustainable cooking practices.

❖ **EVENT HIGHLIGHTS:**

- A total of 23 students participated in the competition.
- Participants competed in pairs and individually, showcasing a wide variety of dishes including salads, mocktails, desserts, sandwiches, and fusion snacks.
- Each participant was allowed a fixed time to prepare and present their dish.
- Students brought their own ingredients and displayed remarkable creativity in both presentation and taste.

❖ **JUDGING CRITERIA:**

The entries were evaluated based on the following parameters:

1. Creativity and Innovation
2. Taste and Flavor
3. Presentation and Garnishing
4. Nutritional Value
5. Cleanliness and Hygiene
6. Team Coordination (for group entries)

The event was graced by an esteemed **external jury member:**

Ms. Riddhi Vashi, Faculty at Dolat-Usha Institute of Applied Sciences and Dhiru-Sarla Institute of Management and Commerce, Valsad.

She carried out evaluation process, providing valuable feedback to the participants and appreciating their efforts.

❖ **RESULTS AND RECOGNITION:**

After careful evaluation, the winners were declared as follows:

First Prize:
Vraj & Pawan – Recognized for their unique presentation, innovative recipe, and excellent teamwork.

Second Prize:
Prachi Agarwal & Dhruvi Sharma – Applauded for their flavor balance, neat presentation, and originality.

All participants received certificates of participation as a token of appreciation and encouragement**.**

❖ **CONCLUSION:**

The Cooking Without Fire Competition was a resounding success, drawing positive feedback from the jury, participants, and audience. It effectively combined fun with learning, motivating students to think beyond conventional cooking methods and adopt healthier, sustainable food habits. The event not only enhanced student engagement but also promoted environmental consciousness and creative thinking.

❖ EVENT PHOTOGRAPHS:

A


BRAVER CHOICE

Report Submitted By:

Name: Ms. Neha Tarpara

Designation: Teaching Assistant

Constituent College Name: BMCBAS, BMU.

Date of Event:	27th January 2025		
Name &Type of Event (online/offline):	Health & Wellness Expo Jan 2025 (OFFLINE)		
Conducted By:	SGCCI		
No. of Participants:	Staff: 02	Students:07	Total:09
Venue:	SURAT INTERNATIONAL EXHIBITION & CONVENTION CENTRE, SARSANA, SURAT		

Introduction: Health and wellness expo initiative by one of leading chamber of the country the southern Gujarat chamber of commerce and industry from 25 to 27 january 2025 at surat international exhibition and convention centre, sarsana surat to aware a common man about medical cure,care, service and equipment to avoid or resolved medical emergency. Health Expo serves as a marketing platform wherein the equipment companies showcase their products and services available. It is a platform where all leading manufacturers of Medical Sector, exhibit and display their products on their booths with texts, photos, videos and PDF catalogues. Health Expo provides a platform where visitors have direct access to suppliers via their booths, regardless of their geographic location. Health Expo provide an opportunity for hospitals & Doctors to make general public aware of latest & advance treatments available. Health Expo is an event which regroups all Medical Devices Expert of national and international level. Suppliers and buyers around the world meet at Health Expo allows visitors to have a global overview of the medical sector.

PROGRAM SCHEDULE:

Bhagwan Mahavir College of Basic and Applied Sciences

(Constituent College of Bhagwan Mahavir University)

Program Schedule

Entitled: Health & Wellness Expo Jan 2025 (OFFLINE)

Venue: Sarsana, Surat.

Date: 27/01/2025

Time: 1:30 pm to 5:00 pm

Time	Schedule
1:30 PM	Departure from bmcbas campus
1:45 PM	Arrival at Sarsana convention hall
1:50 PM to 4:45 PM	Visit and interaction at health and wellness expo
5:00 PM	Return to bmcbas campus

Event Coordinator: Ms. Yagna Patel & Ms. Yesha Patel

PROGRAM OUTCOMES: Student get knowledge about medical cure,care, service and equipment to resolved medical emergency. Health Expo is an event which regroups all Medical Devices Expert of national and international level. Suppliers and buyers around the world meet at Health Expo allows visitors to have a global overview of the medical sector.

Event Photographs both with and without Geo Tags):

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Report Submitted By

Name: Ms. Yagna J Patel

Designation: Teaching Assistant

Constituent College Name: BMCBAS,BMU

Date of Event:	**01/02/2025**
Name &Type of Event (online/offline):	14th Synergy – Intercollegiate Competition (Offline)
Accompanying faculties:	Faculties of BMCBAS, BMU: 1. Dr. Murtaza Hajoori 2. Dr. Ankur Patel 3. Ms. Rukhsar Ansari
Conducted By:	Naran Lala College, Navsari (Affiliated to Veer Narmad South Gujarat University, Surat)
Faculty Coordinator:	Ms. Rukhsar Ansari (Faculty, BMCBAS, BMU)
No. of Participants:	18
No. of Attendee:	01
Venue:	Naran Lala College, Navsari (Affiliated to Veer Narmad South Gujarat University, Surat)

❖ **INTRODUCTION:**

The **14th Synergy – Intercollegiate Competition** was organized with great zeal and enthusiasm by **Naran Lala College, Navsari** on **01st February 2025**, under the affiliation of **Veer Narmad South Gujarat University (VNSGU), Surat**. This prestigious annual event has earned a reputation for bringing together the most talented and vibrant students from various colleges across South Gujarat, fostering a spirit of healthy competition, creativity, and collaboration.

The main objective of Synergy is to provide students with a platform beyond academics where they can showcase their talents, build confidence, engage in intellectual exchange, and develop leadership and teamwork skills through a variety of innovative and entertaining competitions.

This year's edition featured a diverse array of **14 competitions**, each designed to target different skill sets such as communication, critical thinking, creativity, spontaneity, analytical ability, and artistic talent. The competitions included:

- **Ad Made Mad Show** – A marketing and creativity-based team competition.
- **One Minute** – A rapid challenge requiring quick thinking and presence of mind.
- **Antakshari** – A musical battle testing memory and melody under pressure.
- **Folding Frontiers (Origami)** – An artistic event exploring creativity through paper folding.
- **Debate** – An intellectually stimulating competition enhancing argumentation and public speaking.
- **Quiz** – A brain-teasing challenge focusing on general knowledge and current affairs.
- **Detective Kaun** – A mystery-solving event encouraging logical thinking.
- **Recruitment Rumble** – A role-playing competition simulating recruitment scenarios.
- **Fashion Show** – A platform to showcase creativity in costume design and confidence on stage.
- **Stock-Pitch** – A finance-oriented competition testing analytical and investment skills.
- **Fireless Cooking** – A culinary challenge celebrating taste, presentation, and innovation.
- **Treasure Hunt** – A fun-filled team game involving clues, strategy, and exploration.
- **Mehendi** – A traditional art competition emphasizing design and precision.
- **Vlog Making** – A modern media competition exploring digital storytelling and content

creation.

From Bhagwan Mahavir College of Basic and Applied Sciences (BMU), a total of **18 students** actively participated in this event. Students were accompanied by faculty mentors **Dr. Murtaza Hajoori**, **Ms. Dr. Ankur Patel** and **Rukhsar Ansari**, ensuring seamless coordination, encouragement, and support throughout the event. Proper parental consent was also taken to ensure responsible participation.

One of the proud moments for our institution came when **Mansuri Afsah Khatun**, a student of **S.Y. B.Sc. MLT**, secured **2nd rank in the Mehendi Competition** showcasing her artistic excellence.

Events like Synergy are more than competitions—they are experiences that shape personalities, create networks, and foster a well-rounded student community.

❖ **EVENT STRUCTURE:**

Sr. No.	Particulars	Time
1	Registration & Refreshments	09:00 A.M. to 10:00 A.M.
2	Inauguration Function	10:00 A.M. to 11:00 A.M.
3	Competitions	11:00 A.M. onwards
4	Lunch	01:00 P.M. to 02:00 P.M.
5	Valedictory & Prize Distribution Ceremony	03:30 P.M. onwards

❖ **DETAILS OF PARTICIPANTS:**

Name of the Competition: Debate_Team: 01

Sr. No.	Class / Stream	Name of the Student	Contact No.
1	FY_B.Sc. Medical Laboratory Technology	CHAUDHARI NARESH GANESH	63518 58235
2	FY_B.Sc. Medical Laboratory Technology	SINGH AMARKUMAR GOPAL	78599 08881

Name of the Competition: Detective Kaun_Team: 01

Sr. No.	Class / Stream	Name of the Student	Contact No.
1	TY_B.Sc. Medical Laboratory Technology	SUSHREE SANGITA BEHERA	63593 74408
2	TY_B.Sc. Microbiology	YADAV PRITI SHRISUBHAS	78020 73271

Name of the Competition: Detective Kaun_Team: 02

Sr. No.	Class / Stream	Name of the Student	Contact No.
1	TY_B.Sc. Microbiology	BHAIRAM ROHIT KHUMANSINGH	97704 96948
2	TY_B.Sc. Microbiology	AYUSH RAJESH YOGI	96649 85829

Name of the Competition: Mehandi

Sr. No.	Class / Stream	Name of the Student	Contact No.
1	SY_B.Sc. Medical Laboratory Technology	MANSURI AFSAH KHATUN AIYUBNAB	95101 47349
2	FY_B.Sc. Medical Laboratory Technology	KHAN ZIKRAKHATOON NAFIS	96623 23709

Name of the Competition: One Minute_Team: 01

Sr. No.	Class / Stream	Name of the Student	Contact No.
1	FY_B.Sc. Medical Laboratory Technology	GAJANAND KUMAR RAUT	74828 37958
2	TY_B.Sc. Medical Laboratory Technology	B.K. UPENDRA BHAKTBAHADUR	95102 47069

Name of the Competition: Treasure Hunt_Team: 01

Sr. No.	Class / Stream	Name of the Student	Contact No.
1	FY_B.Sc. Medical Laboratory Technology	YADAV PRIYANKA RAJIT	75729 92538
2	FY_B.Sc. Medical Laboratory Technology	PATEL PRIYANSHI RAKESHBHAI	93132 14013
3	FY_B.Sc. Medical Laboratory Technology	LOHAR PAYAL BHARATBHAI	79847 25581
4	FY_B.Sc.Microbiology	KHATIK HETVI JAGDISHCHANDRA	92652 35241

Name of the Competition: Treasure Hunt_Team: 02

Sr. No.	Class / Stream	Name of the Student	Contact No.
1	FY_B.Sc.Microbiology	UPASNA KUMARI	77669 32800
2	FY_B.Sc.Microbiology	MAHTO SONI SHANKAR	95235 03434
3	FY_B.Sc.Microbiology	KUMKUM MAURYA	63568 51235
4	FY_B.Sc. Medical Laboratory Technology	ANSARI SALEHA MANZUR	87588 88400

❖ **WINNERS:**

We are proud to announce the following achievement from our college at the **14th Synergy – Intercollegiate Competition**:

- **Mansuri Afsah Khatun**, student of **S.Y. B.Sc. Medical Laboratory Technology**, secured the **2nd Rank** in the **Mehendi Competition**, showcasing her exceptional artistic talent and creativity.

❖ **PROGRAM OUTCOMES:**

The participation of Bhagwan Mahavir College of Basic and Applied Sciences (BMU) in the 14th Synergy Intercollegiate Competition led to several valuable outcomes:

- ✓ **Enhanced Student Exposure:** Students gained firsthand experience of competing at an intercollegiate level, enhancing their exposure to diverse talents and competitive environments.
- ✓ **Skill Development:** The wide variety of competitions facilitated the development of critical soft skills including communication, creativity, analytical thinking, teamwork, time management, and confidence.
- ✓ **Artistic Recognition:** The college celebrated a moment of pride as Mansuri Afsah Khatun (SY B.Sc. MLT) secured **2nd rank** in the Mehendi competition, highlighting the creative excellence nurtured by the institution.
- ✓ **Team Spirit & Collaboration:** Students from different disciplines collaborated effectively in team events, fostering interdepartmental camaraderie and collaborative problem-solving abilities.
- ✓ **Mentorship Impact:** Faculty mentors played a vital role in motivating, guiding, and coordinating student participation, resulting in a well-organized and meaningful representation of the college.

❖ **ACKNOWLEDGMENT:**

We extend our heartfelt gratitude to **Dr. Vineet Jain Sir (Dean, BMCBAS, BMU)** for his consistent guidance, motivation, and support which greatly contributed to the student preparations and overall success. We also appreciate the continuous support of all **Microbiology Department faculty members** for mentoring, training, and encouraging the students to participate and perform at such high levels.

❖ **CONCLUSION:**

The 14th Synergy Intercollegiate Competition served as a dynamic platform for holistic student development beyond the classroom. With enthusiastic participation across a variety of events and strong faculty mentorship, students from Bhagwan Mahavir College showcased talent, determination, and sportsmanship. The event not only celebrated individual and team achievements but also reinforced the importance of co-curricular engagement in shaping confident, skilled, and well-rounded graduates. Moving forward, such opportunities will continue to be instrumental in cultivating academic excellence, leadership, and personal growth among our students.

❖ **EVENT BROCHURE:**

❖ **EVENT PHOTOGRAPHS:**


Naran Lala College, Navsari
Empowering Youth
Shri Mohanlal Harkishandas Kansara Kelavani Trust
Welcomes You For
14th SYNERGY
INTER-COLLEGE COMPETITION
1st February 2025, Saturday


Naran Lala College, Navsari
Empowering Youth

❖ REGISTRATION DETAILS:

Naran Lala College, Navsari
Empowering Youth
Affiliated To: Veer Narmad South Gujarat University, Surat
Organizes

"14th Synergy"

Date: 01-02-2025

Registration Form

Name of the College: Bhagwan Mahavir College of Basic and Applied Sciences, BMU, Surat

Name of the Accompanying Professor: Dr. Murtaza Hajoori, Dr. Ankur Patel, Miss. Rukhsar Ansari

Mobile No: 9825885218

Name of the Competition: Debate — Team: 01

Sr. No.	Class / Stream	Name of the Student	Contact No.
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2	FY_B.Sc. Medical Laboratory Technology	SINGH AMARKUMAR GOPAL	78599 08881

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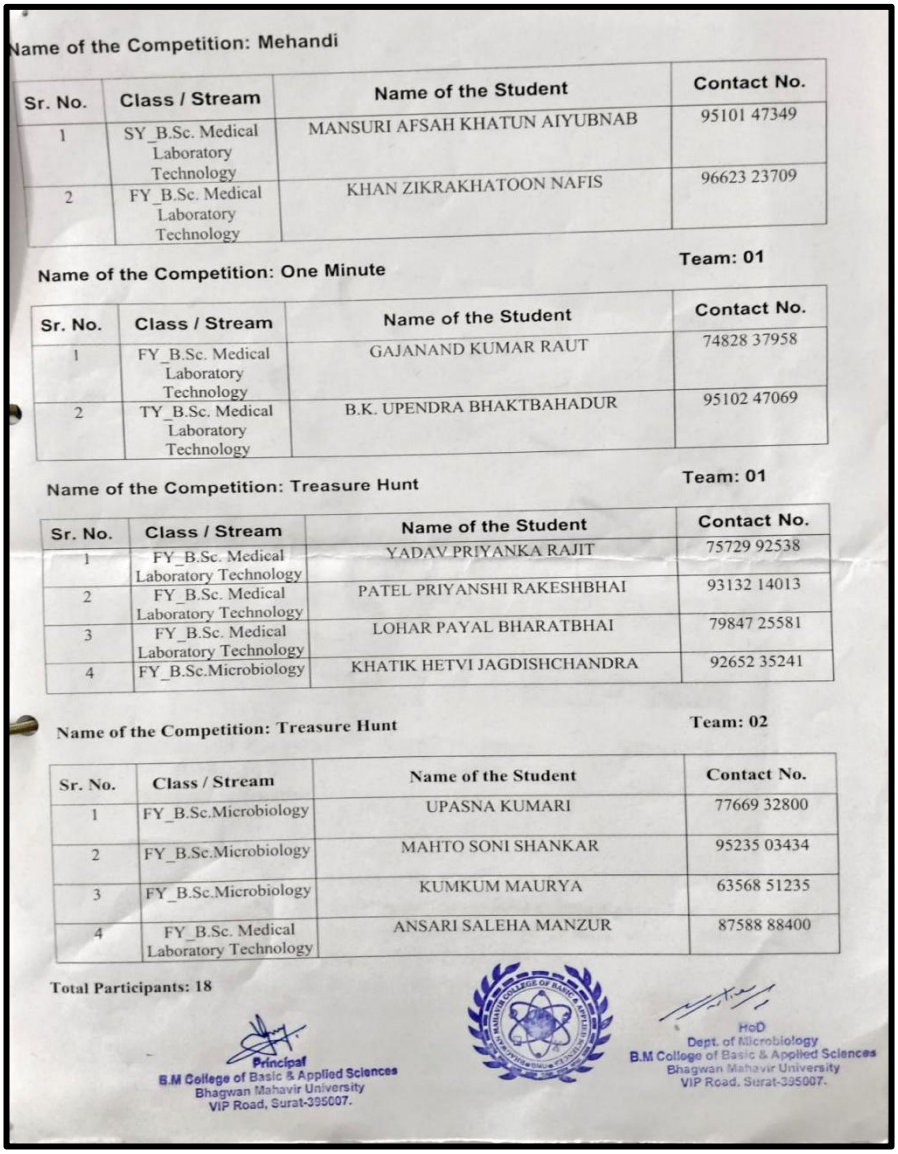

Name of the Competition: Mehandi

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Name of the Competition: One Minute Team: 01

Sr. No.	Class / Stream	Name of the Student	Contact No.
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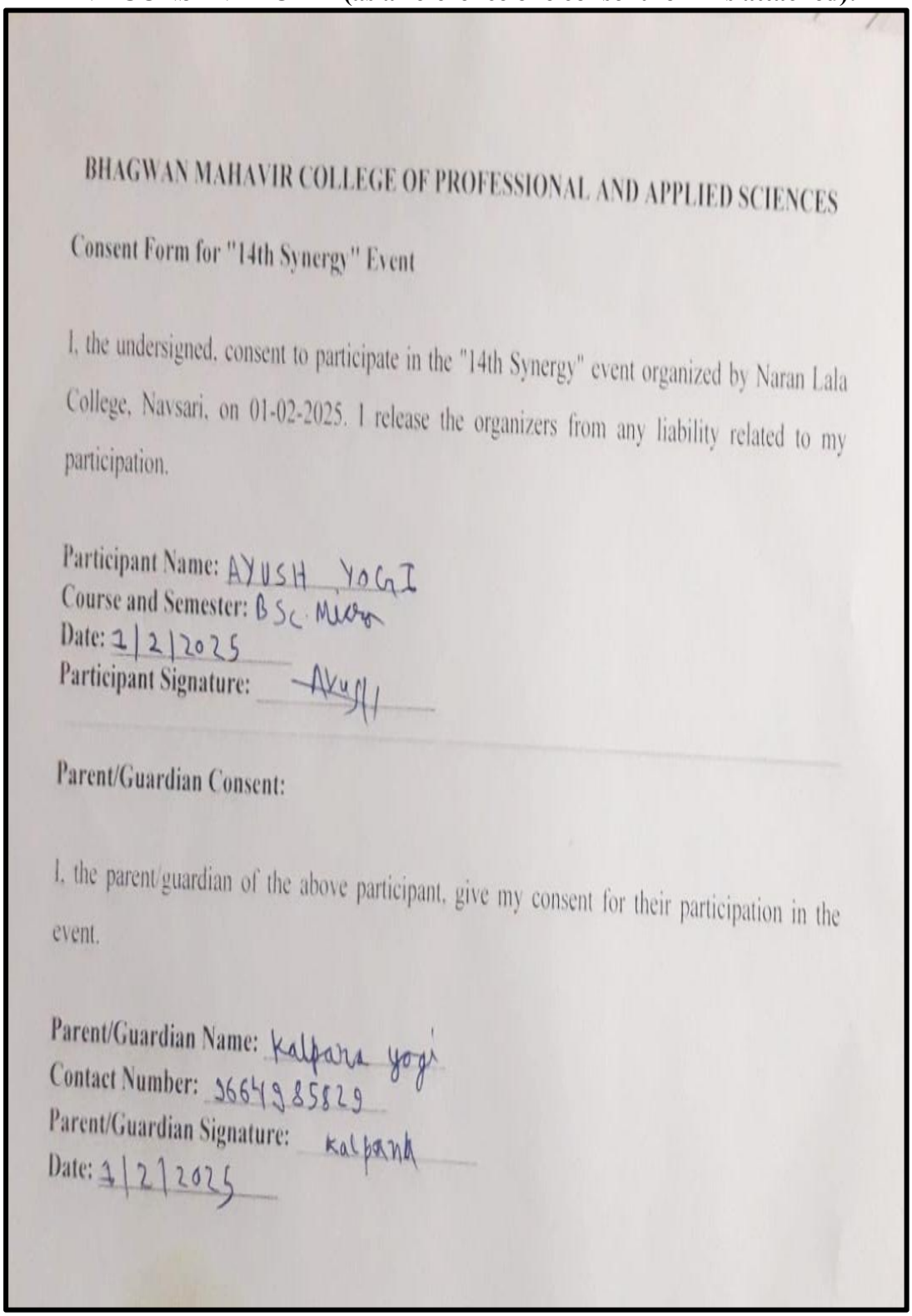
4	FY_B.Sc. Medical Laboratory Technology	ANSARI SALEHA MANZUR	87588 88400

Total Participants: 18

Principal
B.M College of Basic & Applied Sciences
Bhagwan Mahavir University
VIP Road, Surat-395007.

HoD
Dept. of Microbiology
B.M College of Basic & Applied Sciences
Bhagwan Mahavir University
VIP Road, Surat-395007.

❖ **PARENT CONSENT FORM (as a reference one consent form is attached):**



BHAGWAN MAHAVIR COLLEGE OF PROFESSIONAL AND APPLIED SCIENCES

Consent Form for "14th Synergy" Event

I, the undersigned, consent to participate in the "14th Synergy" event organized by Naran Lala College, Navsari, on 01-02-2025. I release the organizers from any liability related to my participation.

Participant Name: AYUSH YOGI
Course and Semester: B.Sc. Micro
Date: 1/2/2025
Participant Signature: Ayush

Parent/Guardian Consent:

I, the parent/guardian of the above participant, give my consent for their participation in the event.

Parent/Guardian Name: Kalpana yogi
Contact Number: 9664985829
Parent/Guardian Signature: Kalpana
Date: 1/2/2025

❖ **CERTIFICATE OF THE WINNER:**

Report Submitted By:

Name: Ms. Rukhsar Ansari

Designation: Ad-hoc Assistant Professor

Constituent College Name: BMCBAS, BMU.

<table>
<tr><td>Date of Event:</td><td colspan="6">06/02/2025</td></tr>
<tr><td>Name &Type of Event (online/offline):</td><td colspan="6">Expert Lecture on "Microbial Genetics: The Key To Understanding and Harnessing Microbial Potential" (offline)</td></tr>
<tr><td>Guest Speaker :</td><td colspan="6">Speaker- Dr. Rakesh Patel
Guest of honor- Dr. Gaurav Shah</td></tr>
<tr><td>Conducted By:</td><td colspan="6">Microbiology Department, BMCBAS, Bhagwan Mahavir University</td></tr>
<tr><td rowspan="3">No. of Participants:</td><td colspan="2">Staff: 11</td><td colspan="2">Students: 73</td><td colspan="2">Total:84</td></tr>
<tr><td>Male</td><td>Female</td><td>Male</td><td>Female</td><td>Male</td><td>Female</td></tr>
<tr><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>Venue:</td><td colspan="6">BMCBAS Seminar Hall and Microbiology Department</td></tr>
</table>

INTRODUCTION: The Microbiology Society of India is the union that promotes microbiology and spreads awareness of microbiology. The Bhagwan Mahavir College of Basic and Applied Sciences Microbiology department is an active member of MBSI. Under the aegis of MBSI, BMCBAS organized an enlightening and informative Expert Lecture on "Microbial Genetics: The Key To Understanding and Harnessing Microbial Potential" held on February 6th, 2025, at the Seminar Hall of Bhagwan Mahavir College of Basic & Applied Sciences, Surat. The session was led by Dr. Rakesh Patel, a distinguished expert in the fields of microbiology and genetics. Lecture provided an in-depth exploration of the fascinating world of microbial genetics. Throughout the session, he highlighted the intricate mechanisms behind genetic processes in microbes, emphasizing their importance in both research and applied microbiology.Attendees had the opportunity to ask questions and engage in a lively discussion with Dr. Patel, who provided valuable insights into the future of microbial genetics research. The event was well-received by students, faculty, and researchers, marking a successful gathering of individuals passionate about microbiology and genetics. It was an excellent opportunity to learn from an expert and stay updated on the evolving trends in the field of microbial genetics. The event also featured a guest of honour Dr. Gaurav Shah, Associate Professor & coordinator, Dept. of Biotechnology, VNSGU, Surat, who participated in the "Best Student Award distribtion ceremony" on behalf of MBSI. The session concluded with a vote of thanks to Dr. Rakesh Patel & Dr. Gaurav Shah for their valuable contribution to expanding the knowledge of microbial genetics among the audience.

EVENT STRUCTURE:

Event	**Time**
Welcome speech	**10.00 am to 10.30 am**
Expert Lecture	**10.30 am to 12:00 pm**
Closing ceremony	**12.00 pm - 12.15 pm**

Report Submitted By

Name :

Designation :

Constituent College Name: BMCBAS, BMU

<table>
<tr><td>Date of Event:</td><td colspan="6">09/02/2025</td></tr>
<tr><td>Name &Type of Event (online/offline):</td><td colspan="6">GIBioN</td></tr>
<tr><td>Guest Speaker :</td><td colspan="6">—</td></tr>
<tr><td>Conducted By:</td><td colspan="6">GSBTM</td></tr>
<tr><td rowspan="3">No. of Participants:</td><td colspan="2">Staff: 02</td><td colspan="2">Students: 27</td><td colspan="2">Total: 29</td></tr>
<tr><td>Male</td><td>Female</td><td>Male</td><td>Female</td><td>Male</td><td>Female</td></tr>
<tr><td>01</td><td>01</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Venue:</td><td colspan="6">L.J School of applied sciences, L.J University Ahmedabad</td></tr>
</table>

INTRODUCTION:

Gujarat Integrated Bio Network (GIBioN). This network will help students to study in the state to come on one platform and compete in different events. The network will include the graduate fraternity of biotechnology and its allied areas. The competition is organized in a rotational manner, where Under Graduate Colleges teaching Biotech and Allied areas and having infrastructure to host parallel competitions for Seminar Presentation, Scientific Article Writing, Extempore Elocution on Scientific topics, and Drawing Biotech Scientoon [BTtoon] as also the Inaugural/Valedictory Session, file in their application to the Secretariat of GIBioN, at L.J School of applied sciences, L.J University Ahmedabad or express their interest to conduct the program to the Member Secretary, Microbiology Study Circle, on the day of the event.

EVENT STRUCTURE:

1. Registration
2. Inaugural Function
3. Expert Lectures
4. Lunch
5. Several competitions at different places.
6. valedictory function and prize distribution.

PROGRAM: Total 27 students from our department participated in the event. There were several competitions held for students according to the year they are studying, for first-year students poster presentation was organized for second-year students and **Scitoon**, power point presentation and concept Mapping for third-year students seminar presentation and quiz competition was organized. Students of the microbiology department were so enthusiastic about the event and performed very nicely in each and every event.

PROGRAM OUTCOMES:

Students got to know different areas of microbiology and biotechnology and all the applied branches, also

students got to interact with other microbiology students from different colleges and universities. Students got a chance to enhance their knowledge and enlighten their vision about the microbiological world.

Event Photographs:

Report Submitted By

Name :

Designation :

Constituent College Name: Bhagwan Mahavir College of Basic And Applied Sciences

Date of Event:	**16/02/2025**
Name &Type of Event (online/offline):	"Microbial Marvels" _UGAM (Under Graduate Association of Microbiologist) – Intercollegiate Competition (Offline Mode)
Accompanying faculties:	Faculties of BMCBAS, BMU: 4. Dr. Murtaza Hajoori 5. Ms. Neha Maisuria 6. Ms. Neha Tarpara 7. Ms. Rukhsar Ansari
Conducted By:	Keshavji Bharmal Sumaria Commerce & Natraj Professional Sciences College, Vapi (Pravina Shantilal Shah P.G. Centre In collaboration with Under Graduate Association of Microbiologist Supported by Microbiologists Society of India).
Faculty Coordinator:	Ms. Rukhsar Ansari (Faculty, BMCBAS, BMU)
No. of Participants:	40
No. of Attendee:	12
Venue:	Keshavji Bharmal Sumaria Commerce & Natraj Professional Sciences College, Vapi (Pravina Shantilal Shah P.G. Centre In collaboration with Under Graduate Association of Microbiologist Supported by Microbiologists Society of India).

❖ INTRODUCTION:

The Undergraduate Association of Microbiologists (UGAM) was established in the year 2013 with the vision to create awareness and interest in the subject of Microbiology. UGAM aims to nurture scientific curiosity, ignite innovation, and provide a vibrant platform for students to explore, present, and communicate Microbiology concepts in effective and engaging ways. Each year, in association with a host institute offering Microbiology at the UG level, UGAM organizes a regional-level intercollegiate competition to fulfill this objective.

What sets UGAM apart is its student-centric ideology. The association encourages budding microbiologists to express their scientific understanding through creative formats such as poetry, ramp walks, poster and logo design, digital content creation, and more. The whole idea is to ensure that knowledge and communication go hand-in-hand, promoting a fun, competitive, and collaborative academic culture.

On **16th February 2025**, the UGAM Intercollegiate Competition was hosted by **Keshavji Bharmal Sumaria Commerce & Natraj Professional Sciences College, Vapi, supported by the Microbiologists Society of India.** This event brought together participants from various colleges across the South Gujarat region, creating a vibrant atmosphere of learning, sharing, and healthy competition.

A delegation of 40 student participants, 12 attendees, and 4 accompanying faculty members from the Department of Microbiology, Bhagwan Mahavir College of Basic and Applied Sciences (BMCBAS), Bhagwan Mahavir University (BMU), Surat, enthusiastically participated in the event. It provided a valuable opportunity for students to interact with peers, gain exposure to diverse scientific expressions, and develop their academic and interpersonal skills. The event was successfully coordinated by Ms. Rukhsar Ansari (Ad-hoc Assistant Professor, BMCBAS), along with the enthusiastic support of the entire Science College team.

❖ EVENT STRUCTURE:

Time	Events
8:30 AM – 9:45 AM	Registration & Refreshment
10:00 AM – 11:00 AM	Inauguration

11:00 AM – 1:00 PM	Competitions (Session 1)
1:00 PM – 2:00 PM	Lunch Break
2:00 PM – 3:30 PM	Competitions (Session 2)
3:30 PM – 4:30 PM	Valedictory & Prize Distribution

The event began with breakfast, followed by a formal inauguration ceremony. Notable guests **Dr. Vijayalaxmi Sharma (UGAM Representative) and Dr. Daxa Sakhiya (GSBTM Representative**) delivered motivational speeches emphasizing the role of Microbiology in today's world and the importance of student involvement in scientific platforms. Their insightful words inspired all the participants to innovate, express, and excel.

The UGAM competition was thoughtfully structured into multiple academic levels, allowing students to participate in both solo and team-based formats:

1. **F.Y. B.Sc.**
- Solo Event: Ramp Walk (Topic: Stained Microorganism on Stage)
- Team Event: Poster Presentation (Topic: Structure of a Microbe)
2. **S.Y. B.Sc.**
- Solo Event: Microbial Shayari (Topic: Microbiology-related Topics)
- Team Event: GIF Making (Topic: Control of Microorganisms)
3. **T.Y. B.Sc.**
- Solo Event: PowerPoint Presentation (Topic: My Favorite Microbiology-based Industry)
- Team Event: Quiz (Topic: Microbial Quiz)
4. **M.Sc. Microbiology**

❖ Team Event: Logo/Trademark Presentation (Topic: Microbiology-related Concept/Innovation)

The day concluded with a valedictory ceremony, where winners were honored, followed by high tea for all attendees. Each event was marked by creativity, scientific merit, and competitive spirit.

❖ **WINNERS:**

We are proud to celebrate the achievements of our brilliant Microbiology students who secured top positions at UGAM 2025:

- **Microbial Shayari (S.Y. B.Sc.)** – ***Mansuri Afsha*** secured **3rd Rank** for her creative poetic expression on Microbiology themes.
- **GIF Making (S.Y. B.Sc.)** – ***Prachi Agarwal & Moksha Bapotra*** won **2nd Rank** for their innovative digital presentation on "Control of Microorganisms".
- **Logo Making (M.Sc. Microbiology)** – ***Atik Shaikh & Dharmik Senta*** achieved **2nd Prize** for their impressive Microbiology-themed logo.

The winners received trophies and certificates. All other participants were acknowledged with participation certificates as a token of appreciation.

❖ **PROGRAM OUTCOMES:**

1. **Enhanced Subject Understanding:** Participants deepened their conceptual knowledge in Microbiology by exploring diverse themes such as microbial structure, control methods, and Microbiology-based industries.
2. **Creative Scientific Communication:** Students developed the ability to communicate complex microbiological concepts through innovative formats such as Ramp Walks, Shayari, Poster Designs, GIFs, and Logo Presentations.
3. **Teamwork and Collaboration:** Through team-based competitions, students fostered essential skills in collaboration, leadership, and problem-solving, preparing them for real-world scientific and industrial environments.
4. **Digital and Technical Skills:** Events like PowerPoint Presentations, GIF Making, and Logo/Trademark Design enhanced students' digital literacy and presentation skills relevant to scientific research and communication.
5. **Scientific Temperament and Critical Thinking:** Activities such as the Microbial Quiz and Industry Presentations helped nurture analytical thinking, data interpretation, and decision-making skills.
6. **Cultural and Artistic Integration:** By integrating Microbiology with art and culture (e.g., Shayari and Ramp Walk), students learned to appreciate the interdisciplinary relevance of science in society.
7. **Professional Exposure and Networking**: Participation in a regional intercollegiate

platform allowed students to engage with peers, faculty, and professionals from other institutions, broadening their academic horizons.

8. **Public Speaking and Confidence Building:** Solo competitions boosted students' public speaking abilities, stage presence, and confidence, which are vital soft skills for future career growth.

9. **Motivation through Expert Interaction:** Inspirational speeches by representatives from UGAM and GSBTM helped motivate students to pursue careers in Microbiology and biotechnology with enthusiasm and commitment.

10. **Recognition and Academic Encouragement:** Winners were awarded for their efforts, reinforcing the importance of academic excellence and encouraging continued participation in scientific events.

❖ **ACKNOWLEDGMENT:**

We extend our heartfelt gratitude to **Dr. Vineet Jain Sir (Dean, BMCBAS, BMU)** for his consistent guidance, motivation, and support which greatly contributed to the student preparations and overall success. We also appreciate the continuous support of all **Microbiology Department faculty members** for mentoring, training, and encouraging the students to participate and perform at such high levels.

❖ **CONCLUSION:**

The UGAM Intercollegiate Competition 2025 was a true celebration of student innovation, scientific communication, and academic fellowship. It successfully highlighted the creativity and depth of knowledge among microbiology students from across South Gujarat. Our students returned enriched with experience, new perspectives, and well-deserved recognition.

❖ **EVENT BROCHURE:**

❖ **EVENT PHOTOGRAPHS:**


SHREE KAUSHIK HARIA EDUCATIONAL FOUNDATION MANAGED
WELCOMES YOU
Establishment Year - 2013


SHREE KAUSHIK HARIA EDUCATIONAL FOUNDATION MANAGED
Keshavji Bharmal Sumaria Commerce & NATARAJ Professional Sciences College, Vapi
Pravina Shantilal Shah P.G. Centre In Collaboration With
Under Graduate Association of Microbiologist (UGAM) 2025


SHREE KAUSHIK HARIA EDUCATIONAL FOUNDATION MANAGED
NATARAJ Professional Sciences College, Vapi
laboration With
ogist (UGAM) 2025

❖ REGISTRATION AND APPROVAL

DETAILS:

BHAGWAN MAHAVIR COLLEGE OF BASIC & APPLIED SCIENCES
Constituent College of Bhagwan Mahavir University
principal.bmcbas@bmusurat.ac.in | 0261-6770188/93/15
www.bmusurat.ac.in | VIP Road, Surat, Gujarat-395007

BMCBAS/171/2024-25 **Date: 14/02/2025**

To,

Dr. Vineet Jain

Director, BMCBAS, BMU

Subject: **Permission Request for Participation in UGAM (Intercollegiate) Competition at KBS College, Vapi**

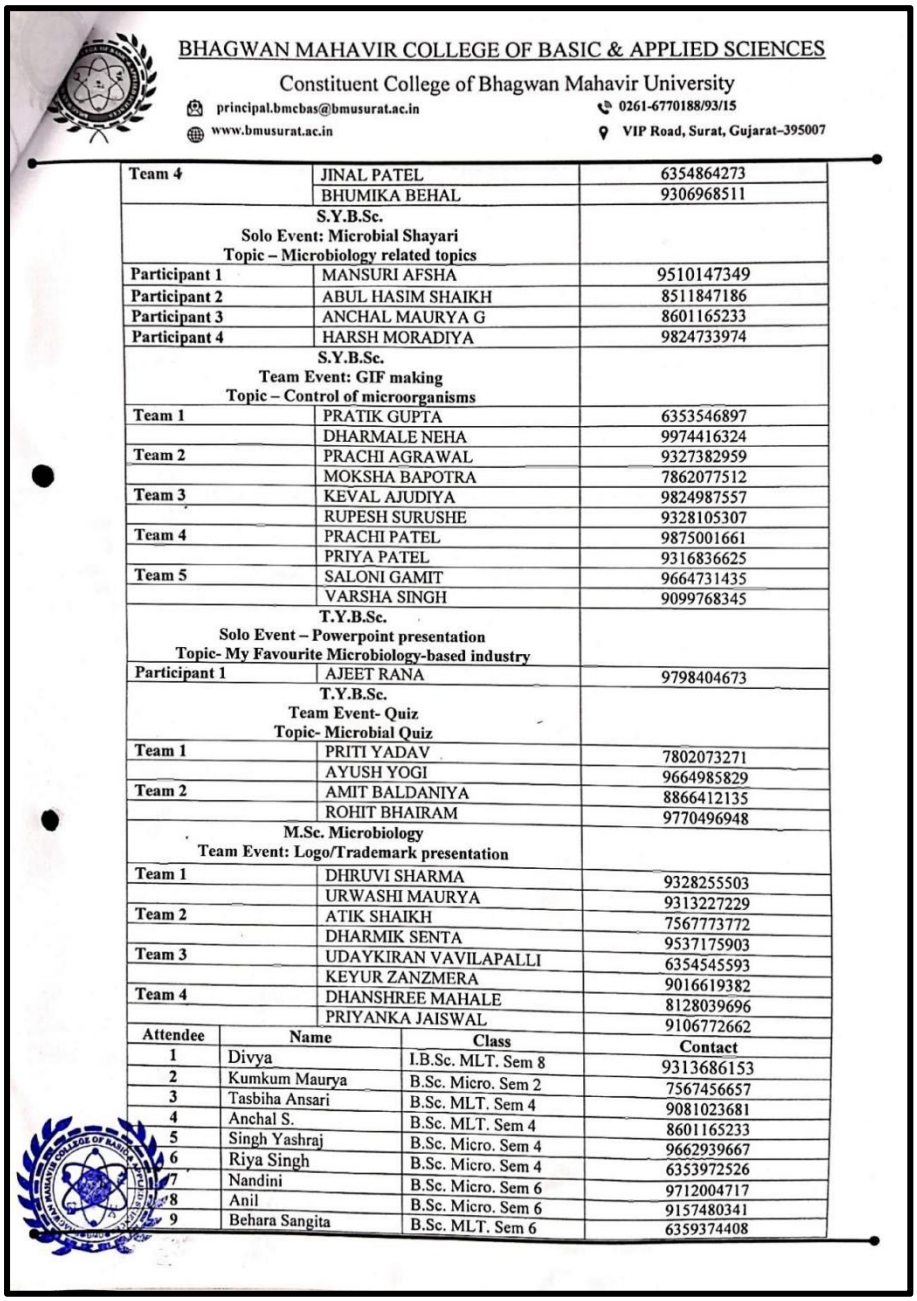
Respected Sir,

I hope this message finds you well. I am writing to respectfully seek your permission for the participation of 40 students (Participants), 13 attendees and 4 faculty members from the Department of Microbiology, Bhagwan Mahavir College of Basic and Applied Sciences (BMCBAS), Bhagwan Mahavir University (BMU) in the upcoming UGAM (Intercollegiate) Competition at KBS College, Vapi.

The event is scheduled for 16th February 2025 and presents an excellent opportunity for skill enhancement, networking, and professional development. We believe that participation in this event will provide valuable exposure to the students and contribute positively to their academic and professional growth.

Kindly find below the list of students who will be participating in this event:

Name of the College /Institute	Bhagwan Mahavir College of Basic and Applied Sciences	
Address	Bhagwan Mahavir University , Vesu Surat	
No. of Accompanying Teachers	**Name of Teachers**	**Contact**
	Dr. Murtaza Hajooria	9825885218
	Miss. Neha Maisuria	9033852846
	Miss.Neha Tarpara	7016004405
	Miss.Rukhsar Ansari	8980167201
Total No. of Non-participants/Attendees	13	
Total No. of Participating Students	40	
F.Y.B.Sc. Solo Event: Ramp Walk Topic – Stained Microorganism on Stage		
Participant 1	LOHAR PAYAL	79847 25581
Participant 2	UPASANA KUMARI	77669 32800
F.Y.B.Sc. Team Event: Poster presentation Topic – Structure of a Microbe		
Team 1	PRIYNAKA YADAV	75729 92538
	PRIYANSHI PATEL	93132 14013
	HETVI KHATIK	92652 35241
Team 2	AMAR SINGH	63518 58235
	NARESH CHAUDHARI	78599 08881
	GAJANAND RAUT	74828 37958
Team 3	ZIKRA KHAN	96623 23709
	ANSARI SALEHA	87588 88400
	MAHATO SONI	95235 03434



BHAGWAN MAHAVIR COLLEGE OF BASIC & APPLIED SCIENCES

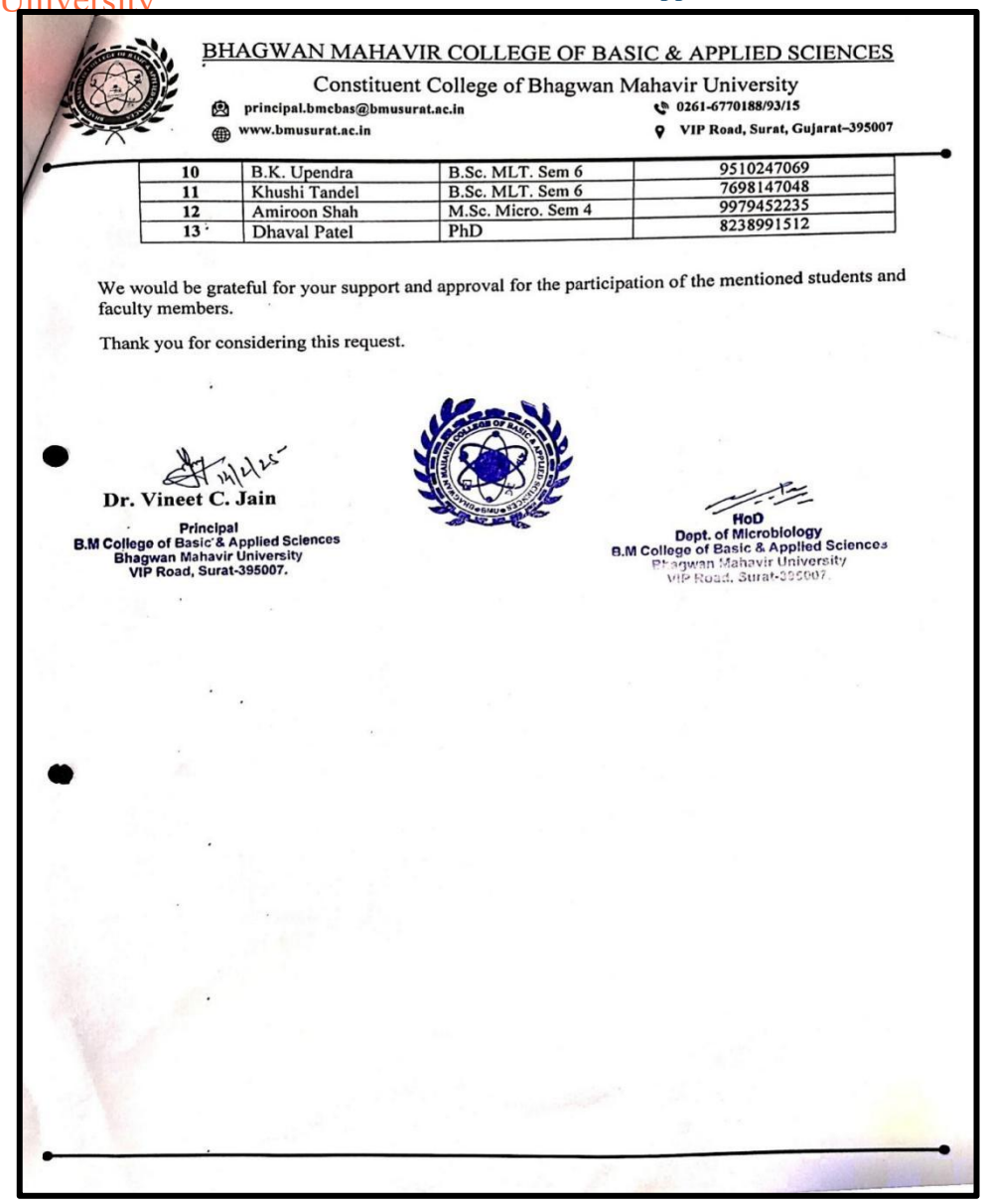
Constituent College of Bhagwan Mahavir University

principal.bmcbas@bmusurat.ac.in | 0261-6770188/93/15

www.bmusurat.ac.in | VIP Road, Surat, Gujarat–395007

Team 4	JINAL PATEL	6354864273
	BHUMIKA BEHAL	9306968511
S.Y.B.Sc. Solo Event: Microbial Shayari Topic – Microbiology related topics		
Participant 1	MANSURI AFSHA	9510147349
Participant 2	ABUL HASIM SHAIKH	8511847186
Participant 3	ANCHAL MAURYA G	8601165233
Participant 4	HARSH MORADIYA	9824733974
S.Y.B.Sc. Team Event: GIF making Topic – Control of microorganisms		
Team 1	PRATIK GUPTA	6353546897
	DHARMALE NEHA	9974416324
Team 2	PRACHI AGRAWAL	9327382959
	MOKSHA BAPOTRA	7862077512
Team 3	KEVAL AJUDIYA	9824987557
	RUPESH SURUSHE	9328105307
Team 4	PRACHI PATEL	9875001661
	PRIYA PATEL	9316836625
Team 5	SALONI GAMIT	9664731435
	VARSHA SINGH	9099768345
T.Y.B.Sc. Solo Event – Powerpoint presentation Topic- My Favourite Microbiology-based industry		
Participant 1	AJEET RANA	9798404673
T.Y.B.Sc. Team Event- Quiz Topic- Microbial Quiz		
Team 1	PRITI YADAV	7802073271
	AYUSH YOGI	9664985829
Team 2	AMIT BALDANIYA	8866412135
	ROHIT BHAIRAM	9770496948
M.Sc. Microbiology Team Event: Logo/Trademark presentation		
Team 1	DHRUVI SHARMA	9328255503
	URWASHI MAURYA	9313227229
Team 2	ATIK SHAIKH	7567773772
	DHARMIK SENTA	9537175903
Team 3	UDAYKIRAN VAVILAPALLI	6354545593
	KEYUR ZANZMERA	9016619382
Team 4	DHANSHREE MAHALE	8128039696
	PRIYANKA JAISWAL	9106772662

Attendee	Name	Class	Contact
1	Divya	I.B.Sc. MLT. Sem 8	9313686153
2	Kumkum Maurya	B.Sc. Micro. Sem 2	7567456657
3	Tasbiha Ansari	B.Sc. MLT. Sem 4	9081023681
4	Anchal S.	B.Sc. MLT. Sem 4	8601165233
5	Singh Yashraj	B.Sc. Micro. Sem 4	9662939667
6	Riya Singh	B.Sc. Micro. Sem 4	6353972526
7	Nandini	B.Sc. Micro. Sem 6	9712004717
8	Anil	B.Sc. Micro. Sem 6	9157480341
9	Behara Sangita	B.Sc. MLT. Sem 6	6359374408



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10	B.K. Upendra	B.Sc. MLT. Sem 6	9510247069
11	Khushi Tandel	B.Sc. MLT. Sem 6	7698147048
12	Amiroon Shah	M.Sc. Micro. Sem 4	9979452235
13	Dhaval Patel	PhD	8238991512

We would be grateful for your support and approval for the participation of the mentioned students and faculty members.

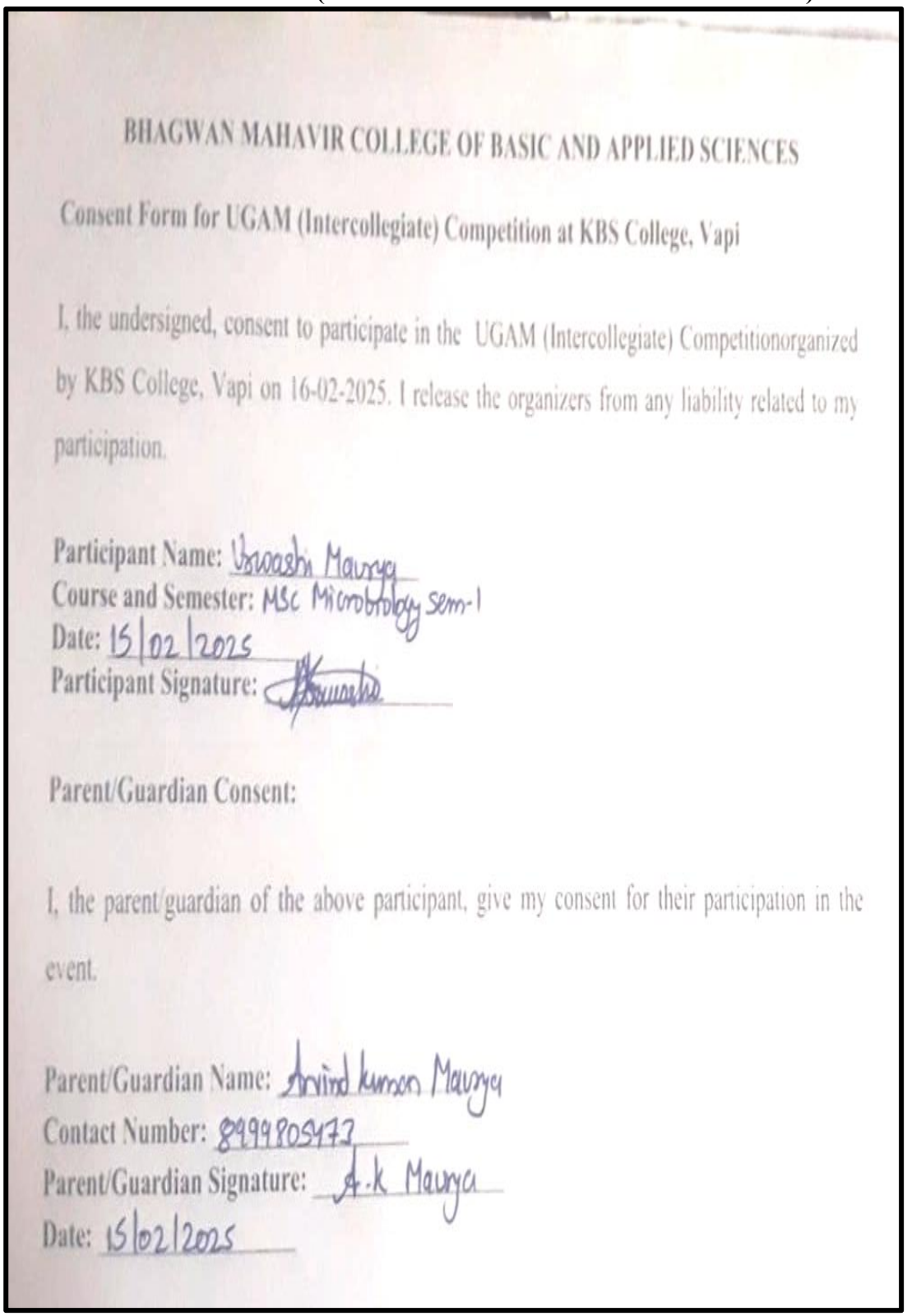
Thank you for considering this request.

14/4/25

Dr. Vineet C. Jain
Principal
B.M College of Basic & Applied Sciences
Bhagwan Mahavir University
VIP Road, Surat-395007.

HoD
Dept. of Microbiology
B.M College of Basic & Applied Sciences
Bhagwan Mahavir University
VIP Road, Surat-395007.

❖ **PARENT CONSENT FORM (as a reference one consent form is attached):**



BHAGWAN MAHAVIR COLLEGE OF BASIC AND APPLIED SCIENCES

Consent Form for UGAM (Intercollegiate) Competition at KBS College, Vapi

I, the undersigned, consent to participate in the UGAM (Intercollegiate) Competitionorganized by KBS College, Vapi on 16-02-2025. I release the organizers from any liability related to my participation.

Participant Name: Vrushti Maurya
Course and Semester: MSc Microbiology sem-1
Date: 15/02/2025
Participant Signature:

Parent/Guardian Consent:

I, the parent/guardian of the above participant, give my consent for their participation in the event.

Parent/Guardian Name: Arvind kumar Maurya
Contact Number: 8999805477
Parent/Guardian Signature: A.K Maurya
Date: 15/02/2025

❖ **ATTENDANCE SHEET:**

Name of the College /Institute	Bhagwan Mahavir College of Basic and Applied Sciences			
Address	Bhagwan Mahavir University , Vesu Surat			
No. of Accompanying Teachers	Name of Teachers	Contact	Signature (In/Out)	
	Dr. Murtaza Hajooria (college)	9825885218		
	Miss. Neha Maisuria (college)	9033852846		
	Miss.Neha Tarpara (college)	7016004405		
	Miss.Rukhsar Ansari (Morbi)	8980167201		
Total No. of Participating Students	40			
F.Y.B.Sc. Solo Event: Ramp Walk **Topic – Stained Microorganism on Stage**				
Participant 1	LOHAR PAYAL (college)	79847 25581		
Participant 2	UPASANA KUMARI (college)	77669 32800	—	—
F.Y.B.Sc. Team Event: Poster presentation **Topic – Structure of a Microbe**				
Team 1	PRIYNAKA YADAV (college)	75729 92538		
	PRIYANSHI PATEL (college)	93132 14013		
	HETVI KHATIK (college)	92652 35241		
Team 2	AMAR SINGH (college)	63518 58235		
	NARESH CHAUDHARI (college)	78599 08881		
	GAJANAND RAUT (college)	74828 37958		
Team 3	ZIKRA KHAN (college)	96623 23709		
	ANSARI SALEHA (college)	87588 88400		
	MAHATO SONI (college)	95235 03434		
Team 4	JINAL PATEL (college)	6354864273		

	BHUMIKA BEHAL (College)	9306968511		
S.Y.B.Sc. Solo Event: Microbial Shayari **Topic – Microbiology related topics**				
Participant 1	MANSURI AFSHA (Sochin)	9510147349		
Participant 2	ABUL HASIM SHAIKH (College)	8511847186		
Participant 3	ANCHAL MAURYA G (college)	8601165233		
Participant 4	HARSH MORADIYA (college)	9824733974		
S.Y.B.Sc. Team Event: GIF making **Topic – Control of microorganisms**				
Team 1	PRATIK GUPTA (college)	6353546897		
	DHARMALE NEHA (college)	9974416324		
Team 2	PRACHI AGRAWAL (college)	9327382959		
	MOKSHA BAPOTRA (college)	7862077512		
Team 3	KEVAL AJUDIYA (college)	9824987557		
	RUPESH SURUSHE (college)	9328105307		
Team 4	PRACHI PATEL (college)	9875001661		
	PRIYA PATEL (college)	9316836625		
Team 5	SALONI GAMIT (college)	9664731435		
	VARSHA SINGH (college)	9099768345		
T.Y.B.Sc. Solo Event – Powerpoint presentation **Topic- My Favourite Microbiology-based industry**				
Participant 1	AJEET RANA (college)	9798404673		
T.Y.B.Sc. Team Event- Quiz **Topic- Microbial Quiz**				
Team 1	PRITI YADAV (college)	7802073271		
	AYUSH YOGI (college)	9664985829		

Team 2	AMIT BALDANIYA (college)	8866412135	
	ROHIT BHAIRAM (college)	9770496948	

M.Sc. Microbiology

Team Event: Logo/Trademark presentation

Team 1	DHRUVI SHARMA (college)	9328255503	
	URWASHI MAURYA (sachin)	9313227229	
Team 2	ATIK SHAIKH (sachin)	7567773772	
	DHARMIK SENTA (sachin)	9537175903	
Team 3	UDAYKIRAN (college) VAVILAPALLI	6354545593	
	KEYUR ZANZMERA (college)	9016619382	
Team 4	DHANSHREE MAHALE (sachin)	8128039696	
	PRIYANKA JAISWAL (sachin)	9106772662	

Attendee	Name	Class	Contact	Attendance (In/Out)
1 (sachin)	Amiroon Shah	M.Sc. Micro. Sem 4	9979452235	
2 (college)	Tasbiha Ansari	B.Sc. MLT. Sem 4	9081023681	
(college) 3	Anchal S.	B.Sc. MLT. Sem 4	8601165233	
4 (college)	Singh Yashraj	B.Sc. Micro. Sem 4	9662939667	
5 (college)	Riya Singh	B.Sc. Micro. Sem 4	6353972526	
(college) 6	Nandini	B.Sc. Micro. Sem 6	9712004717	
(college) 7	Anil	B.Sc. Micro. Sem 6	9157480341	
8 (sachin)	Behara Sangita	B.Sc. MLT. Sem 6	6359374408	
9 (college)	B.K. Upendra	B.Sc. MLT. Sem 6	9510247069	
10 (sachin)	Khushi Tandel	B.Sc. MLT. Sem 6	7698147048	
(college) 11	Divya	I.B.Sc. MLT. Sem 8	9313686153	
12 (college)	Dhaval Patel	PhD	8238991512	

Attendance for UGAM 2025

❖ **CERTIFICATES OF THE WINNERS:**

UNDER-GRADUATE ASSOCIATION OF MICROBIOLOGIST
VNSGU AFFILATED COLLEGES
(UGAM)

CERTIFICATE

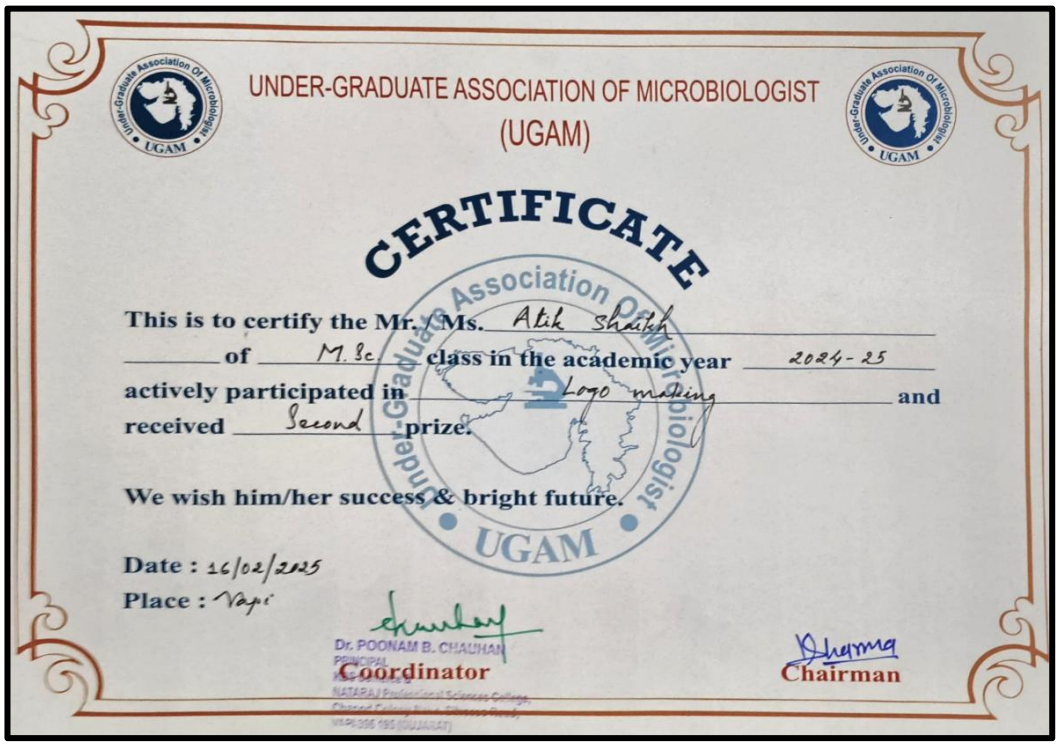
This is to certify the Mr. / Ms. Masuri Aysha
of S.4 BSc class in the academic year 2024-25
actively participated in Microbial Sayari and
received — prize.

We wish him/her success & bright future.

Date : 16/021 2025
Place : Vapi

Dr. POONAM B. CHAUHAN
PRINCIPAL
Coordinator
KBS Comerce &
NATARAJ Professional Sciences College,
Chanod Colony Naka, Silvassa Road
VAPI-396 195 (GUJARAT)

Chairman



UNDER-GRADUATE ASSOCIATION OF MICROBIOLOGIST
(UGAM)

CERTIFICATE

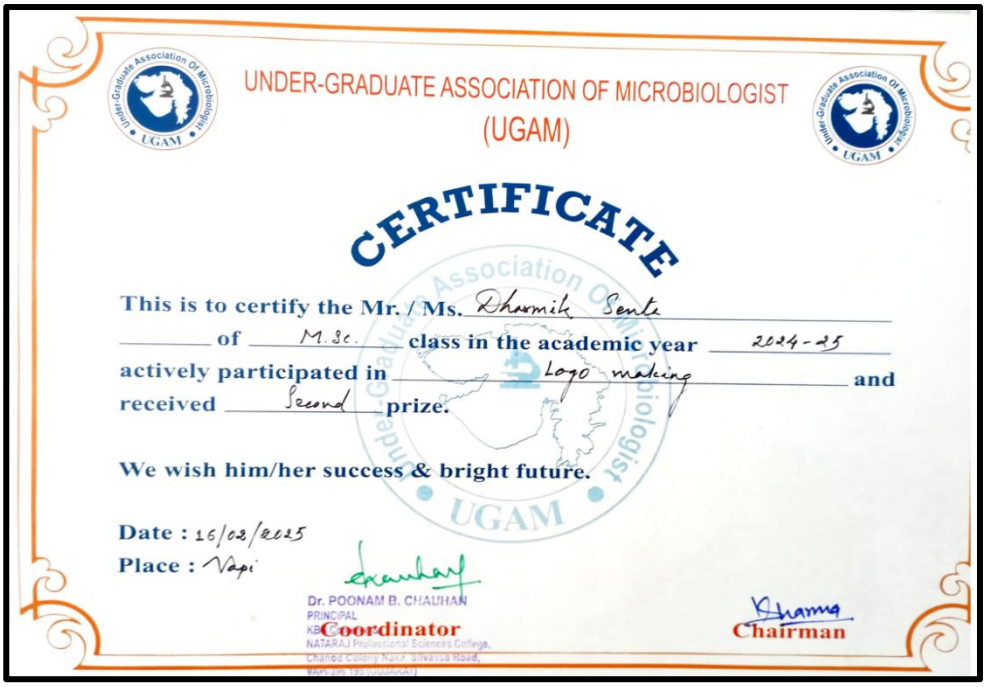
This is to certify the Mr. / Ms. Atik Shaikh
of M. Sc class in the academic year 2024-25
actively participated in Logo making and
received Second prize.

We wish him/her success & bright future.

Date : 16/02/2025
Place : Vapi

Dr. POONAM B. CHAUHAN
PRINCIPAL
Coordinator
KBS Comerce &
NATARAJ Professional Sciences College,
Chanod Colony Naka, Silvassa Road
VAPI-396 195 (GUJARAT)

Chairman



UNDER-GRADUATE ASSOCIATION OF MICROBIOLOGIST
(UGAM)

CERTIFICATE

This is to certify the Mr. / Ms. Dharmik Sonte
of M.Sc. class in the academic year 2024-25
actively participated in Logo making and
received Second prize.

We wish him/her success & bright future.

Date : 16/02/2025
Place : Vapi

Dr. POONAM B. CHAUHAN
PRINCIPAL
KBCoordinator
NATARAJ Professional Sciences College,

Chairman

Report Submitted By:

Name: Ms. Rukhsar Ansari

Designation: Ad-hoc Assistant Professor

Constituent College Name: BMCBAS, BMU.

Date of Event :	21-02-2025		
Name of Event	Scifesta: A Scientific Techfest – 2025		
Chief Guest	Chief Guest Dr. Dhanji Rajani Director & Consultant Microbiologist, Microcare Laboratory and Tuberculosis Research Centre, Surat Guest of Honour Dr. Meghna R. Adhvaryu I/C Principal, Government Arts, Commerce, & Science College, Limbayat, Surat Guest of Honour Shri. Ajaybhai Bhanusali M.D of Sawan technology & Group of Industry, Valsad Guest of Honor Dr. Chetan Patel Associate Professor Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat		
Conducted By:	Bhagwan Mahavir College of Basic and Applied Sciences, Vesu, Surat		
No. of Participants:	Staff: 31	Students:85	Total:116
Venue:	Bhagwan Mahavir College of Basic and Applied Sciences, Vesu, Surat		

INTRODUCTION:

Scifesta 2025, an event of science and innovation, was held on February 21, 2025, at Bhagwan Mahavir college of Basic and applied sciences. This vibrant festival featured a diverse range of technical and non-technical events, bringing together students, researchers, and enthusiasts to showcase their knowledge and creativity. The central theme of the event, "Contribution of Science in Viksit Bharat," highlighted the pivotal role of scientific advancements in shaping a progressive and self-reliant India. Through engaging competitions, insightful discussions, and interactive exhibits, Scifesta 2025 aimed to inspire young minds and emphasize the significance of science in nation-building.

Programme Schedule:

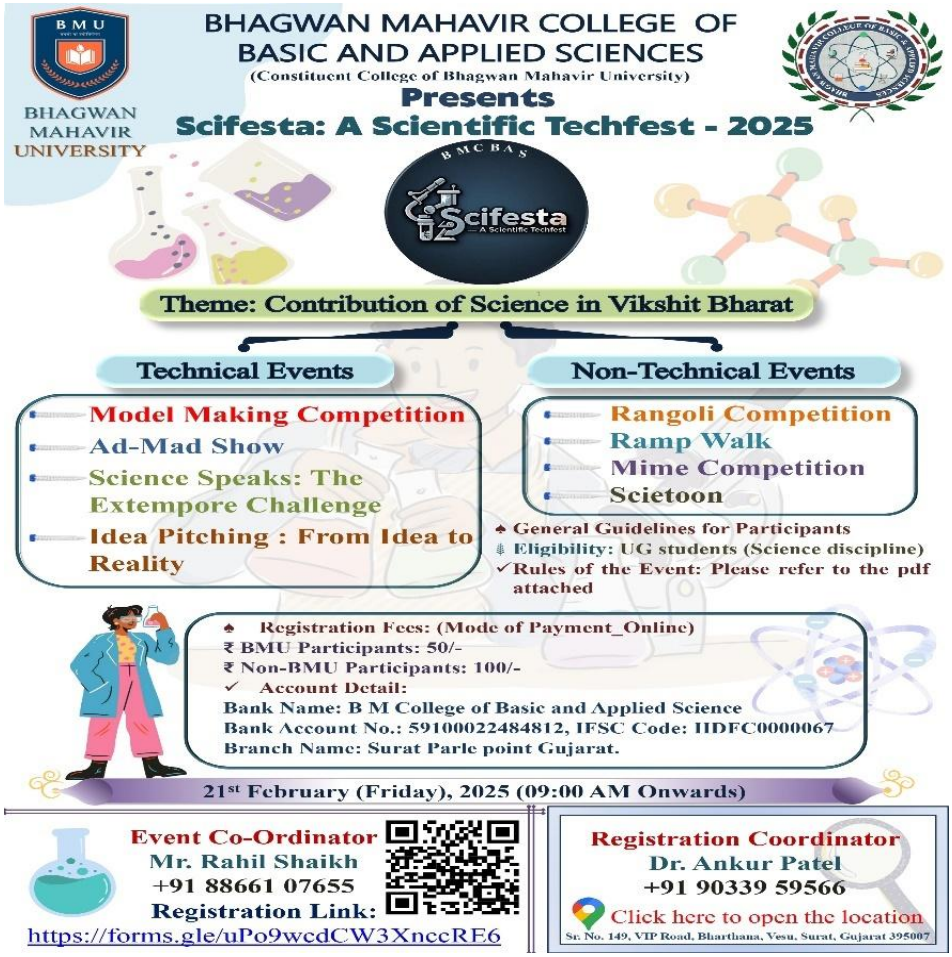
Time	Schedule
10:30 A.M. to 11:30 A.M.	Inaugural function
11:30 A.M to 01:00 P.M.	Technical Session
01:00 P.M. to 02:00 P.M.	Lunch
02:00 P.M. to 04:00 P.M.	Non- technical Session
04:00 P.M. to 04:30 P.M.	Valedictory

PROGRAM OUTCOMES:

Sr. No.	Event Name	Faculty Coordinator	Jury Member	Winner
1	Rangoli Competition	Ms. Yesha Patel (9601170070)	• **Ms. Jyoti Kumawat** Teaching Assistant (BMCBAS) • **Ms. Riddhi Bhalani** (Microbiologist)	• **1st Prize:** Patel Priya, Gamit Saloni & Singh Varsha • **2nd Prize :** Agrawal Prachi & Moksha Bapotra & Hadiya Bhumika • **3rd prize:** Niranjani Siddhi
2	Ramp Walk	Ms. Shikha Agrwal (8238852570)	• **Dr. Ankit Shah** Assistant Professor (BMCBAS) • **Dr. Shivangi Zaveri** (Biotechnologist)	• **1st Prize:** Patel Prachi
3	Mime Competition	Ms. Yagna Patel (9825270539)	• **Dr. Ankur Patel** Adhoc Asst. Prof. (BMCBAS) • **Ms. Mitixa Joshi** (Biotechnologist)	• **1st Prize:** Jeel Shah & Riddhi Patel
4	ScieToon Competition	Ms. Purva Patel (8155957355)	• **Dr. Jitendra Parmar** Assistant Professor, Department of Comparative Literature, VNSGU • **Mr. Bhargav Kothiya** Adhoc Asst. Professor (BMCBAS)	• **1st Prize:** Gupta Pratik • **2nd Prize :** Chaudhri Naresh

Sr. No.	Event Name	Faculty Coordinator	Jury Member	Winner
1	Model Making Event	Dr. Murtuza Hajoori (9825885218)	• **Dr. Sagar Desai** Associate professor, J.N.M Patel Science College • **Ms. Neha Maisuria** Adhoc Asst. Prof. (BMCBAS)	• **1st Prize:** Upadhyay Anjali & Sahani Priyanshi • **2nd Prize :** Singh Jiya & Patel Tulsi • **3rd prize:** Bhairam Rohit & Agarwal Prachi
2	Ad Mad Show	Ms. Rukasar Ansari (8980167201)	• **Ms. Asma Patel** Department of Botany, P.T.Science college • **Dr. Sumita Dasgupta** Assistant professor (BMCBAS)	• **1st Prize:** Yadav Priyanka, Hetvi Khatik & Patel Priyanshi
3	Science Speaks	Ms. Neha Tarapara: (7016004405)	• **Dr. Srishti Satyal Arora** Co-founder and Director at Celltech Life Sciences Llp. • **Dr. Krishna Soni** Assistant professor (BMCBAS)	• **1st Prize :** Singh Amar • **2nd Prize :** Dharia Devansh
4	Idea Pitching	Dr. Pooja Desai (7046121873)	• **Dr. Chirag Mistry** Assistant professor, Sir P. T. Sarvajanik College of Science • **Dr. Khushbu Patel** Assistant professor (BMCBAS)	• **1st Prize:** Shirsat Roshni • **2nd Prize:** Moradiya Harsh & Shaikh Abdul Hasim

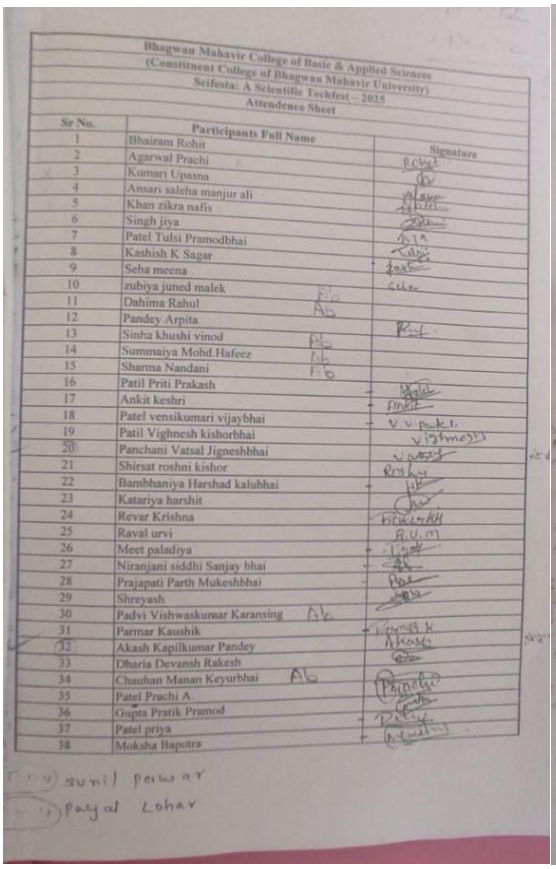
POSTER CREATIVE:



Event Photographs:

Attachment of following details:

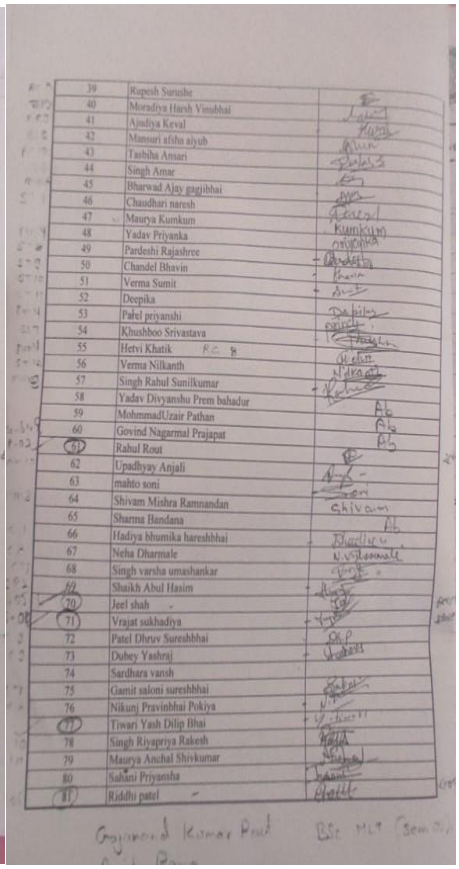
1. Attendance sheet



Bhagwan Mahavir College of Basic & Applied Sciences
(Constituent College of Bhagwan Mahavir University)
Scifesta: A Scientific Techfest – 2025
Attendence Sheet

Sr No.	Participants Full Name	Signature
1	Bhairam Rohit	
2	Agarwal Prachi	
3	Kumari Upasna	
4	Ansari saleha manjur ali	
5	Khan zikra nafis	
6	Singh jiya	
7	Patel Tulsi Pramodbhai	
8	Kashish K Sagar	
9	Seha meena	
10	zubiya juned malek	
11	Dahima Rahul	
12	Pandey Arpita	
13	Sinha khushi vinod	
14	Summaiya Mohd Hafeez	
15	Sharma Nandani	
16	Patil Priti Prakash	
17	Ankit keshri	
18	Patel vensikumari vijaybhai	
19	Patil Vighnesh kishorbhai	
20	Panchani Vatsal Jigneshbhai	
21	Shirsat roshni kishor	
22	Bambhaniya Harshad kalubhai	
23	Katariya harshit	
24	Revar Krishna	
25	Raval urvi	
26	Meet paladiya	
27	Niranjani siddhi Sanjay bhai	
28	Prajapati Parth Mukeshbhai	
29	Shreyash	
30	Padvi Vishwaskumar Karansing	
31	Parmar Kaushik	
32	Akash Kapilkumar Pandey	
33	Dharia Devansh Rakesh	
34	Chauhan Manan Keyurbhai	
35	Patel Prachi A.	
36	Gupta Pratik Pramod	
37	Patel priya	
38	Moksha Bapotra	

sunil pawar
Payal Lohar



39	Rupesh Surushe	
40	Moradiya Harsh Vinubhai	
41	Ajudiya Keval	
42	Mansuri afsha ayub	
43	Tasbiha Ansari	
44	Singh Amar	
45	Bharwad Ajay gagjibhai	
46	Chaudhari naresh	
47	Maurya Kumkum	
48	Yadav Priyanka	
49	Pardeshi Rajashree	
50	Chandel Bhavin	
51	Verma Sumit	
52	Deepika	
53	Patel priyanshi	
54	Khushboo Srivastava	
55	Hetvi Khatik	
56	Verma Nilkanth	
57	Singh Rahul Sunilkumar	
58	Yadav Divyanshu Prem bahadur	
59	MohmmadUzair Pathan	
60	Govind Nagarmal Prajapat	
61	Rahul Rout	
62	Upadhyay Anjali	
63	mahto soni	
64	Shivam Mishra Ramnandan	
65	Sharma Bandana	
66	Hadiya bhumika hareshbhai	
67	Neha Dharmale	
68	Singh varsha umashankar	
69	Shaikh Abul Hasim	
70	Jeel shah	
71	Vrajat sukhadiya	
72	Patel Dhruv Sureshbhai	
73	Dubey Yashraj	
74	Sardhara vansh	
75	Gamit saloni sureshbhai	
76	Nikunj Pravinbhai Pokiya	
77	Tiwari Yash Dilip Bhai	
78	Singh Riyapriya Rakesh	
79	Maurya Anchal Shivkumar	
80	Sahani Priyansha	
81	Riddhi patel	

Gajanand Kumar Paul B.Sc M.Sc (Semester)

Report Submitted By :

Name : Mr Rahil Shaikh

Designation : Assistant Professor

<table>
<tr><td>Date of Event:</td><td colspan="6">08th March , 2025</td></tr>
<tr><td>Name &Type of Event (online/offline):</td><td colspan="6">“National conference on Green Innovations for Sustainable Development: Exploring ideas and Challenges, GiSD-2025”

(Offline)</td></tr>
<tr><td>Guest Speaker:</td><td colspan="6">The Chief Guest for the event was Shri Viral Desai, Founder and Chairman of Hearts at Work Foundation and CEO of Zenitex. The Guests of Honor included Shri Vijay Mevawala, President of The Southern Gujarat Chamber of Commerce and Industry (SGCCI), and Dr. Naved Malik, Associate Professor, Applied Chemistry Department, S.V. National Institute of Technology (SVNIT), Surat. Dr. Nirmal Sharma, Provost of Bhagwan Mahavir University, was also present at the inaugural ceremony.</td></tr>
<tr><td>Conducted By:</td><td colspan="6">Bhagwan Mahavir College of Basic and Applied Sciences.</td></tr>
<tr><td rowspan="3">No. of Participants:</td><td colspan="2">Staff: 17</td><td colspan="2">Students: 139</td><td colspan="2">Total: 156</td></tr>
<tr><td>Male</td><td>Female</td><td>Male</td><td>Female</td><td>Male</td><td>Female</td></tr>
<tr><td>8</td><td>9</td><td>68</td><td>71</td><td>76</td><td>80</td></tr>
<tr><td>Venue:</td><td colspan="6">Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University, Surat</td></tr>
</table>

INTRODUCTION:

Inaugural Ceremony

The inaugural session commenced at 10:00 A.M. The Chief Guest for the event was Shri Viral Desai, Founder and Chairman of Hearts at Work Foundation and CEO of Zenitex. The Guests of Honor included Shri Vijay Mevawala, President of The Southern Gujarat Chamber of Commerce and Industry (SGCCI), and Dr. Naved Malik, Associate Professor, Applied Chemistry Department, S.V. National Institute of Technology (SVNIT), Surat. Dr. Nirmal Sharma, Provost of Bhagwan Mahavir University, was also present at the inaugural ceremony.

Lecture Sessions by Eminent Speakers

Following the inaugural ceremony, a series of insightful lectures were delivered by distinguished speakers, chaired by esteemed academicians.

Oral and Poster Presentations

Post-lunch (1:00 PM - 2:00 PM), oral and poster presentation sessions were held from 2:00 PM to 4:00 PM across three thematic tracks:

- **Theme I:** Green Manufacturing, Clean Energy Innovations, and Water Management
- **Theme II:** Sustainable Agriculture and Food Production
- **Theme III:** Green Innovations in Healthcare

A total of 26 oral and 84 poster presentations were registered, with participation from 25 oral presenters and 77 poster presenters. The presentations were evaluated by a panel of esteemed jury members.

Valedictory Session

The awards and valedictory session commenced at 4:00 PM, with Dr. Gaurav Sureshchandra Shah as the Chief Guest and Dr. Jay Bergi as the Guest of Honor. The session began with a welcome address by Principal Dr. Vineet Jain, followed by concluding remarks from the Organizing Secretary. Highlights of the event included the felicitation of jury members and program coordinators, the prize distribution ceremony for conference winners, and a participant feedback session. The Co-Organizing Secretary delivered the vote of thanks, and the program concluded with the National

EVENT STRUCTURE:

Date: 8th March 2025 (Saturday)	
Time	**Schedule**
9:00 AM to 10:00 AM	Registration and Refreshment
10:00 AM to 10:30 AM	**Inaugural function**
10:30 AM to 11:00 A.M	**Session I: Dr. Rajesh Patel** *Professor, Department of Biosciences, Veer Narmad South Gujarat University*. **Session Chair: Dr. Murtaza Hajoori**, *Assistant Professor, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University.*
11:00 A.M to 11:30 A.M	**Session II : Dr. Krunal Shah,** *Research Scientist and Co-founder of Impulse Research Surat.* **Session Chair: Dr. Ankit Shah,** *Assistant Professor, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University*.
11:30 A.M to 12:00	**Session III : Dr. Sunita Singh** *Associate Professor, Section Head- Biotechnology, School of Biotechnology and Bioinformatics, D. Y. Patil Deemed to be University.* **Session Chair: Dr. Sumita Dasgupta**, *Assistant Professor, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University.*
12:00 to 12:30 P.M	**Session IV: Dr. Snehal Bagatharia,** *Joint Director, Research & Development, Gujarat State Biotechnology Mission (GSBTM), Gandhinagar.* **Session Chair: Dr. Pooja Desai,** *Assistant Professor, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University.*
12:30 P.M to 1:00 P.M	**Session V: Dr. Arvind Kumar Mungray,** *Professor, Department of Chemical Engineering S. V. National Institute of Technology (SVNIT),Surat.* **Session Chair: Dr. Khushbu Patel,** *Assistant Professor, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University*.
1:00 P.M to 2:00 P.M.	**Lunch**
2:00 P.M. to 4:00 P.M	**Oral and Poster presentations (Parallel tracks)**
4:00 P.M. to 4:30 PM	Awards & Valedictory Session
4:30 P.M. to 5:00 PM	**High-Tea**

POSTER CREATIVE:

Event Photographs:

News Paper photograph:

abkar_09-03-2025

૦૯-૦૩-૨૦૨૫ રવિવાર
09-03-2025 - SUNDAY
3

તસવીરઃ મીતેશ બંગડીવાલા

ભગવાન મહાવીર કોલેજ ખાતે ગ્રીન ઇનોવેશન અંગે નેશનલ કોન્ફરન્સ યોજાઇ હતી.

ભગવાન મહાવીર કોલેજ ખાતે ગ્રીન ઈનોવેશન અંગે નેશનલ કોન્ફરન્સ યોજાઈ

૧૫૭ જેટલા સહભાગીઓએ ગ્રીન ઈનોવેશન સહિત વિવિધ વિષયો પર મૌખિક અને પોસ્ટર પ્રસ્તુતિઓ દ્વારા તેમની સંશોધન અને વિચારો રજૂ કર્યા

ખબકાર પ્રતિનિધિ, સુરત, તા. ૦૮

ભગવાન મહાવીર કોલેજ ઓફ બેસિક એન્ડ એપ્લાઈડ સાયન્સ, ભગવાન મહાવીર યુનિવર્સિટી દ્વારા તા. ૮ના રોજ GSBTM અને DST પ્રાયોજિત નેશનલ કોન્ફરન્સ "Green Innovations fro Sustainable Development: Exploring Ideas and Challenges" સફળતા પૂર્વક આયોજન કરવામાં આવ્યું હતું. પરિષદનો મુખ્ય હેતુ યુવાનોમાં ગ્રીન ઈનોવેશન (લીલાં નવીનતમ ઉકેલો) અંગે જાગૃતિ ફેલાવવાનો હતો, જે સરકારો, ઉદ્યોગો અને શૈક્ષણિક સંસ્થાઓની સંયુક્ત મહેનતથી શક્ય બને છે.

ઉદઘાટન સમારંભમાં વિરલ દેસાઈ "ગ્રીનમેન ઓફ ઈન્ડિયા" મુખ્ય અતિથિ તરીકે ઉપસ્થિત રહ્યા. ઉપરાંત, ડો. વિજય મેવાવાલા (પ્રેસિડેન્ટ, SGCCI) અને ડો. નાવેદ મલેક (સહાયક પ્રોફેસર, SVNIT) માનનીય અતિથિ તરીકે હાજર રહ્યા, તેમજ ભગવાન મહાવીર યુનિવર્સિટીના પ્રોવોસ્ટ, ડો. નિર્મલ શર્મા પણ વિશિષ્ટ ઉપસ્થિતિ દર્શાવી. આ પરિષદમાં ૧૫૭ રજિસ્ટર્ડ ભાગ લેનારાઓએ વિવિધ વિષયો પર મૌખિક અને પોસ્ટર પ્રસ્તુતિઓ દ્વારા તેમની સંશોધન અને વિચારો રજૂ કર્યા.

ચર્ચાઓ અને પ્રસ્તુતિઓ દ્વારા શૈક્ષણિક સંસ્થાઓની ભૂમિકા ગ્રીન ઈનોવેશનમાં જાગૃતિ ફેલાવવા માટે અત્યંત મહત્વપૂર્ણ છે, તે મુદ્દાને હાઈલાઈટ કરવામાં આવ્યો. આ પરિષદે સંશોધકો, શિખ્યવિદો અને ઉદ્યોગ નિષ્ણાતોને એક મંચ પર લાવી સતત વિકાસ માટે સંયુક્ત પ્રયાસોની જરૂરિયાતને વધુ મજબૂત બનાવી. આ પરિષદની સફળતા ભગવાન મહાવીર યુનિવર્સિટીના સંશોધન, નવીનતા અને વિકાસ માટે ની પ્રતિબદ્ધતા દર્શાવે છે, સંચાલન સમિતિ એ જ્જ્સ્, ફ્જ્જ્, માનનીય મહેમાનો, પ્રવક્તાઓ, ભાગ લેનારાઓ અને પ્રાયોજકોને આ પરિષદને નોંધપાત્ર સફળતા બનાવવામાં આપેલા યોગદાન માટે આભાર વ્યક્ત કર્યો.

આ પરિષદ ડો. વિનીત જૈન, પ્રિન્સિપાલના સંયોજન હેઠળ આયોજિત કરવામાં આવી હતી, જ્યારે ડો. સુમિતા દાસગુપ્તા સંગઠન સચિવ અને ડો. અંકિત શાહ સહ-સંગઠન સચિવ તરીકે હતાં.

List of Participants

Sr. No.	Name	Institute
1.	Jagdishbhai Rameshbhai Chaudhari	INDRASHIL UNIVERSITY
2.	Srishti Satyal Arora	Veer Narmad South Gujarat University
3.	Bhalani Riddhi Hareshbhai	Bhagwan Mahavir University
4.	Dr. Shivangi H Zaveri	Bhagwan Mahavir College of Basic and Applied Sciences
5.	Moanaro Ong	N.M. College of Agriculture, Navsari Agricultural University
6.	Pinkal Hiteshbhai Makwana	Shri M N Virani Science College, Saurashtra University.
7.	Boricha Vishvraj Mehulbhai	Silver oak university
8.	Diya Jayeshkumar Patel	Shree Ramkrishna Institute of computer education and applied sciences
9.	Jayraj Rana	Veer Narmad South Gujarat University
10.	Patel Nirali Govindbhai	DEPARTMENT OF BIOTECHNOLOGY VNSGU SURAT
11.	Reshma Nahak	Bhagwan mahavir college of basic and applied sciences.
12.	Nihalani Yukta Sunil	VNSGU
13.	Amisha Praveer Malhotra	Kasturba medical college mangalore
14.	Dr. Ambika Arkatkar	Department of Biotechnology, Veer Narmad South Gujarat University, Surat
15.	Dobariya Meet Sanjaybhai	Shree ram krishna institute of computer education and applied sciences
16.	Harsh Rajeshkumar Prajapati	DEPARTMENT OF BIOTCHNOLOGY, VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.
17.	Bhandari Drashti Ashwinbhai	DEPARTMENT OF BIOTECHNOLOGY, VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.
18.	Patel Isakumari Jayantibhai	DEPARTMENT OF BIOTECHNOLOGY, VEER NARMAD SOUTH GUJARAT UNIVERSITY,SURAT
19.	Mayuri Chetankumar Rathod	DEPARTMENT OF BIOTECHNOLOGY VNSGU SURAT
20.	Solanki Prachi Ketanbhai	B.P. Baria Science Institute, Navsari
21.	Nakrani Urvishaben Ratilal	Vanita Vishram Women's University
22.	Chauhan Maitri Nareshbhai	B.P.Baria Science Institute, Navsari

23.	Nidhi Jayeshbhai Patel	Naran lala college of professional and Applied Sciences
24.	Upasna Chetanbhai Tandel	NaranLala College of Professional and Applied Sciences
25.	Vasava Devraj Manhar Bhai	B.P.Baria science institute navsari
26.	Bhavsar Nisarg Rashehsbhai	B.P. Baria Science Institute, Navsari
27.	Nihalani Yukta Sunil	VNSGU
28.	Patel Nancy Pradip Bhai	B.P.Baria Science Institute of Navsari
29.	Kanojiya Priyangkumar Jitendrabhai	Naran Lala College of Professional & Applied Sciences
30.	Tandel Drashtiben Kapilbhai	B.P.Baria Science Institute Navsari
31.	Ramani Jinal Girdharbhai	Vanita Vishram Women's University
32.	Patel Snehalkumari Dhansukhbhai	B.P. Baria Science Institute ,Navsari
33.	Patel Zeel J.	B. P. Baria Science Institute
34.	Tandel Ritika Mohanbhai	Dollat Usha Institute of Applied Sciences Valsad
35.	Vivek Bhaveshbhai Trivedi	Dolat Usha Institute of Applied Sciences & Dhiru-Sarla Institute of Management and Commerce
36.	Aghera Vishwa Bhaveshbhai	Naran Lala College of professional & applied sciences
37.	Vanker Sonal B	Naram Lala College of Professional and Applied Sciences
38.	Ray Poojabahen Ajeetbhai	Bhagwan mahavir university

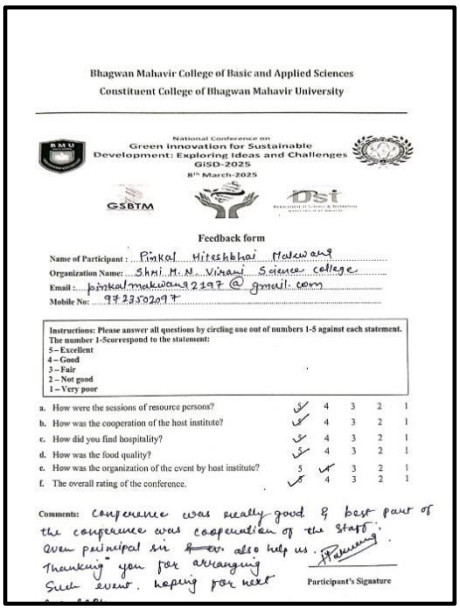
66.	Ms.Yagna Patel	Bhagwan Mahavir College Of Basic And Applied Sciences, Bhagwan Mahavir University,Surat
67.	Ayush Yogi	BMCBAS
68.	Sushree Sangita Behera	Bhagwan Mahavir College of Basic and Applied Sciences
69.	Mayur Parate	Bhagwan Mahavir College of Basics and Applied Science
70.	Sharma Dhruvi Dharmendra	Bhagwan Mahavir College of Basic and Applied Sciences
71.	Senta Dharmik Dipakbhai	Bhagwan Mahavir College of Basic and applied science
72.	Omshubham Kedia	Bhagwan Mahavir University
73.	Divan Niyati Ajay	B.K.M science college valsad
74.	Chauhan Shruti Mukeshbhai	Naran lala College of Professional and Applied Sciences
75.	Devmurari Isha Gunvantbhai	Bhagwan mahavir university
76.	Shaikh Atik Ahamed	BHAGWAN MAHAVIR COLLEGE OF BASIC AND APPLIED SCIENCES
77.	Shreya Brahmdev Mishra	Naran - Lala college of professional and applied sciences, Navsari
78.	Urvishkumar N Lad	V S Patel College of Arts and Science, Bilimora
39.	Nidhi Laxmikant Pande	Naranlala college of professional and applied sciences
40.	Desai Maniti N.	Government Arts, Commerce & Science college,Limbayat, Surat
41.	Gracy G. Rathod	Naran Lala College of Applied Sciences, Navsari.
42.	Siddhi M. Intwala	Naran Lala College of Professional and Applied Science, Navsari
43.	Patel Harshkumar Sumanbhai	BHAGWAN MAHAVIR UNIVERSITY
44.	Tandel Himani Ishvarbhai	B.P. Baria Science institute, Navsari
45.	Tandel Ayushi Sanjaykumar	B.P Baria Science institute, Navasri
46.	Ayushi Udayprakash Srivastava	Naranlala College of Professional and Applied science
47.	Shounak Sushanta Dasgupta	Novartis Healthcare Pvt Ltd, Analyst
48.	Vrunda Navanbhai Shukla	TMES BBA College Mandvi
49.	Aviral Shah	Bmu
50.	Priyank Satishkumar Panchal	TMES COMMERCE COLLEGE MANDVI
51.	Ronak Kantilal Patel	Department of Bioscience, VNSGU, Surat
52.	Kathan Pragnesh Desai	Bhagwan Mahavir Centre for Advance Research
53.	Arti A. Vasava	Naran lala College of Professional& Applied Sciences
54.	Ganvit Priyankakumari Umedbhai	B.K.M. Science college, Valsad
55.	Urwashi Maurya	Bhagwan mahavir college of basic and applied sciences
56.	Singh Anchal Vinodkumar	Bhagwan mahavir college of basic and applied sciences
57.	Vavilapalli Uday Kiran	Bhagwan Mahavir College of Basic and Applied Sciences
58.	Vekariya Shivani Parshottambhai	Bhagwan mahavir college of basic and applied sciences
59.	Trupti J Pandya	bhagwan mahavir center of advance research
60.	Zanzmera Keyurkumar Rameshbhai	Bhagwan mahavir college of basic and applied sciences
61.	Anjana Unnikrishnan	Bhagwan Mahavir college of Basic and applied science
62.	Patel Janvi Alpeshkumar	BHAGWAN MAHAVIR COLLEGE OF BASIC AND APPLIED SCIENCE
63.	Sojitra Prapti Jayantibhai	Bhagwan mahavir college of basic and applied sciences
64.	Patel Honey Dhirubhai	Bhagwan Mahavir college Basic and applied science
65.	Amit Mathurbhai Baldaniya	Bhagwan Mahavir Basic and applied science

79.	Chaudhari Anju R.	Naran lala collage of professional and aplied science
80.	Pandya Shreyaben Ashishbhai	Naran Lala College of Professional & Applied sciences Navsari
81.	Halpati Janvi S.	Naran Lala College of professional and Applied Sciences, Navsari
82.	Patel Jaimini Manharbhai	Naran Lala College of Professional & Applied sciences Navsari
83.	Vidhi Nitinkumar Patel	Naran Lala college of Professionals and Applied Sciences
84.	Lad Nidhi Kalpeshkumar	Naran Lala College of Professional and Applied Sciences, Navsari
85.	Patel Krupa Bhavesh Bhai	Naran lala College of Professionals and Applied Sciences
86.	Das Payal Ratnakar	Naranlala college of professional and applied science
87.	Vaibhavi Mukeshbhai Patel	Naran lala College of Professional and Applied Sciences
88.	Bhairam Rohit	Bmcbas
89.	Parmar Binkal S	Naran Lala College of Professional and Applied Sciences Navsari
90.	Yadav Priti Shri Subhash	Bhagwan mahavir college of basic and applied science
91.	Kansara Hetvi Rajeshkumar	Naran lala college of professional and applied sciences
92.	Krishna Vijaykumar Patel	Naran lala college of professional and Applied Sciences
93.	Kanjariya Khushi Yogeshbhai	Bhagwan mahavir college of basic and applied science ,bhagwan mahavir university
94.	Yesha Patel	Bhagwan Mahavir College of Basic and Applied Sciences
95.	Yadav Niraj Swaminath	Bhagwan mahavir college basic and applied science
96.	Mahale Dhanshree Sudhir	Bhagwan mahavir college of basic and applied science
97.	Shah Amirunnisha	Bhagwan mahavir college of basic and applied science
98.	Nilofar Aiyubkhan Pathan	Bhagwan mahavir university
99.	Riddhi Pramodbhai Patel	Bmcbas
100.	Jeel Pradeepbhai Shah	BMCBAS
101.	Sinsinbar Jay Chhatrapalsingh	BMCBAS
102.	Bhushan Ravsaheb Patil	BMCBAS
103.	Mahesh Natthubhai Jadhav	BMCBAS
104.	Patel Tulsi Pramodbhai	BMCBAS
105.	Pavan Parekh	Bmcbas
106.	Priyanshi Pradeep Srivastava	Bhagwan Mahavir Institute
107.	Pooja Maurya	BMCBAS
108.	Jiya Singh	BMCBAS
109.	Daki Priyank Naranbhai	BMCBAS
110.	Pooja Deep Upadhyay	BHAGWAN MAHAVIR COLLEGE OF BASIC AND APPLIED SCIENCES
111.	Rahul Kumar Rout	BMCBAS
112.	Nutan Singh	Bhagwan mahavir college of basic and applied sciences
113.	Masada Vrisha Pratik	Shree Ramkrishna Institue of Computer Education And Applied Sciences , Sarvajanik University
114.	Dina Nandini Jitendra	Shreeramkrishna Institute of Computer Education and Applied Science, Sarvajanik University
115.	Ravi Yadav	BMCBAS
116.	Shirsat Roshni	BMCBAS
117.	Maitri Dharmendrassinh Parmar	Bhagwan Mahavir college of basic and applied science
118.	Vrajat Sukhadiya	BMCBAS

119.	Baid Jivika	Bhagwan mahavir college of basic and applied science
120.	Gupta Rajnandani	Shree Ramkrishna Institute of Computer Education and Applied Sciences, Sarvajanik University
121.	Vaibhavikumari Hirsingbhai Chaudhari	Bhagwan Mahavir University
122.	Pinky Tiwari	Bhagwan Mahavir College of Basic and applied Science
123.	Pushpanjali Yadav	Bhagwan Mahavir University
124.	Madhu Tiwari	BMCBAS
125.	Sagar Ramkoti Masuram	BMU
126.	Pandey Niraj	Bmu
127.	Jaiswal Priyanka Manoj	Bhagwan Mahavir college of basic applied and science
128.	Yashesh Vinodbhai Maroliya	BMCBAS
129.	Dhruvil Dilipbhai Patel	BMCBAS
130.	Patel Krish Vijaybhai	B M College of Basic and Applied Science
131.	Darsh Bharatbhai Patel	B M College of Basic and Applied Science
132.	Sunil Panwar	BMCBAS
133.	Sachapara Bhumi Dineshbhai	Bhagwan Mahavir College of Basic and Applied Sciences
134.	Amitbhai Pravinbhai Nathani	Bhagawan Mahavir Centre for advanced Research
135.	Jyoti Rajkumar Kumawat	BHAGWAN MAHAVIR COLLEGE OF BASIC AND APPLIED SCIENCES
136.	Yogesh Kishorbhai Parmar	Bhagwan Mahavir College of Basic & Applied Sciences
137.	Prachi Agarwal	Bhagwan Mahavir College of Basic and Applied Science
138.	Shikha Agrawal	Sir P. T. Sarvajanik College of Science
139.	Upexa Kishorbhai Patel	Department of Biotechnology, Veer Narmad South Gujarat University
140.	Sinha Khushi Vinod	Bhagwan mahavir college basics and applied sciences
141.		Department of Biotechnology, Bhagwan Mahavir College of

142.	Rahul Ramesh Nakka	Bhagwan mahavir college of basic and applied science
143.	Jinal Paladiya	BhagWan Mahavir University (BMU)
144.	Havisha Sanjaykumar Panchal	Veer Narmad South Gujarat University
145.	Sumita Dasgupta	BHAGWAN MAHAVIR COLLEGE OF BASIC AND APPLIED SSCIENCES
146.	Bandana Sharma	Department of Biotechnology, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University
147.	Nandani Sharma	Department of Biotechnology, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University
148.	Mehal Bharatkumar Patel	Department of Biotechnology
149.	Dr. Pooja C. Desai	Department of Biotechnology, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University
150.	Pandya Shreya Alpeshkumar	Veer Narmad South Gujarat University
151.	Dr. Mayuri K. Desai	D. R. Patel & R. B. Patel Commerce College and Navnirman Institute of Management
152.	Dr. Sagar A. Desai	C. B. Patel Computer College & J. N. M. Patel Science College
153.	Bhavesh M. Patel	C. B. Patel Computer College & J. N. M. Patel Science College
154.	Darshak M. Patel	C. B. Patel Computer College & J. N. M. Patel Science College
155.	Dr. Alpesh Thakor	B. K. M. Science College
156	Dr. Rashmita M. Patel	Naran lala College of Professional and Applied Sciences

Testimonials



Bhagwan Mahavir College of Basic and Applied Sciences
Constituent College of Bhagwan Mahavir University

National Conference on
Green Innovation for Sustainable Development: Exploring Ideas and Challenges
GISD-2025
8th March-2025

GSBTM DST

Feedback form

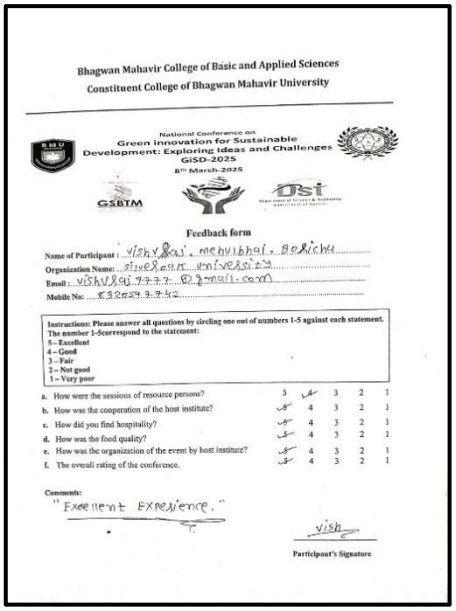
Name of Participant : Pinkal Hiteshbhai Makwana
Organization Name : Shri M.N. Virani Science college
Email : pinkalmakwana2197@gmail.com
Mobile No : 9723502197

Instructions: Please answer all questions by circling one out of numbers 1-5 against each statement.
The number 1-5correspond to the statement:
5 – Excellent
4 – Good
3 – Fair
2 – Not good
1 – Very poor

a. How were the sessions of resource persons?	✓	4	3	2	1
b. How was the cooperation of the host institute?	✓	4	3	2	1
c. How did you find hospitality?	✓	4	3	2	1
d. How was the food quality?	✓	4	3	2	1
e. How was the organization of the event by host institute?	5	✓	3	2	1
f. The overall rating of the conference.	✓	4	3	2	1

Comments: Conference was really good & best part of the conference was cooperation of the staff. Even principal sir also help us. Thanking you for arranging such event. Hoping for next

Participant's Signature



Bhagwan Mahavir College of Basic and Applied Sciences
Constituent College of Bhagwan Mahavir University

National Conference on
Green Innovation for Sustainable Development: Exploring Ideas and Challenges
GISD-2025
8th March-2025

GSBTM DST

Feedback form

Name of Participant : Vishvaraj Mehulbhai Borichi
Organization Name : Sardar University
Email : vishvaraj7777@gmail.com
Mobile No : 8320597742

Instructions: Please answer all questions by circling one out of numbers 1-5 against each statement.
The number 1-5correspond to the statement:
5 – Excellent
4 – Good
3 – Fair
2 – Not good
1 – Very poor

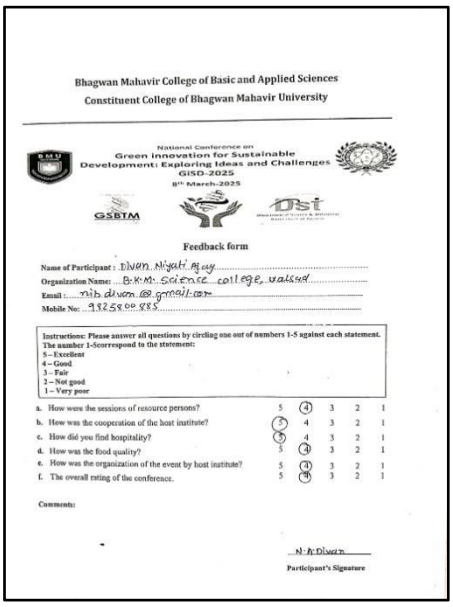
a. How were the sessions of resource persons?	5	✓	3	2	1
b. How was the cooperation of the host institute?	✓	4	3	2	1
c. How did you find hospitality?	✓	4	3	2	1
d. How was the food quality?	✓	4	3	2	1
e. How was the organization of the event by host institute?	✓	4	3	2	1
f. The overall rating of the conference.	✓	4	3	2	1

Comments: "Excellent Experience."

Vish

Participant's Signature

Feed Back:



Bhagwan Mahavir College of Basic and Applied Sciences
Constituent College of Bhagwan Mahavir University

National Conference on
Green Innovation for Sustainable Development: Exploring Ideas and Challenges
GISD-2025
8th March-2025

GSBTM DST

Feedback form

Name of Participant : Divan Nilesh Ajay
Organization Name : B.K.M. Science college, valsad
Email : nib.divan@gmail.com
Mobile No : 9825800885

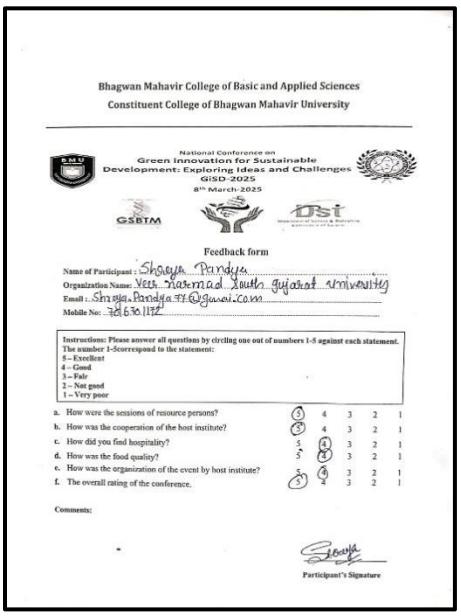
Instructions: Please answer all questions by circling one out of numbers 1-5 against each statement.
The number 1-5correspond to the statement:
5 – Excellent
4 – Good
3 – Fair
2 – Not good
1 – Very poor

a. How were the sessions of resource persons?	5	(4)	3	2	1
b. How was the cooperation of the host institute?	(5)	4	3	2	1
c. How did you find hospitality?	(5)	4	3	2	1
d. How was the food quality?	5	(4)	3	2	1
e. How was the organization of the event by host institute?	5	(4)	3	2	1
f. The overall rating of the conference.	5	(4)	3	2	1

Comments:

N. P. Divan

Participant's Signature



Bhagwan Mahavir College of Basic and Applied Sciences
Constituent College of Bhagwan Mahavir University

National Conference on
Green Innovation for Sustainable Development: Exploring Ideas and Challenges
GISD-2025
8th March-2025

GSBTM DST

Feedback form

Name of Participant : Shreya Pandya
Organization Name : Veer Narmad South Gujarat University
Email : Shreya.Pandya99@gmail.com
Mobile No : 7567011172

Instructions: Please answer all questions by circling one out of numbers 1-5 against each statement.
The number 1-5correspond to the statement:
5 – Excellent
4 – Good
3 – Fair
2 – Not good
1 – Very poor

a. How were the sessions of resource persons?	(5)	4	3	2	1
b. How was the cooperation of the host institute?	(5)	4	3	2	1
c. How did you find hospitality?	5	(4)	3	2	1
d. How was the food quality?	5	(4)	3	2	1
e. How was the organization of the event by host institute?	5	(4)	3	2	1
f. The overall rating of the conference.	(5)	4	3	2	1

Comments:

Shreya

Participant's Signature

Report Submitted By

Name: Dr. Sumita Dasgupta

Designation: Assistant Professor, BMCBAS

Date of Event:	**10/03/2025**
Name &Type of Event (online/offline):	**Inhouse Activity: Startup Idea Event – SPANDAN 2025 (offline)**
Guest (Juries of the event)	Dr. Rashmi Korat – Associate Professor, BMCP, BMU Ms. Suman Pandit – Assistant Professor, BMCM, BMU
Conducted By:	**Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University, Surat.**
Faculty Coordinator:	**Ms. Rukhsar Ansari**
No. of Participants	**Registered: 12, Appeared: 07**
Venue:	**Seminar Hall, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University, Surat.**

INTRODUCTION:

In today's rapidly evolving world, innovation and entrepreneurship play a pivotal role in shaping the future. To foster a culture of creative thinking and problem-solving among students, educational institutions are increasingly integrating startup and ideation platforms within academic environments. Events like startup competitions not only encourage students to think beyond conventional boundaries but also provide them with the confidence to convert ideas into viable solutions. Recognizing this, Bhagwan Mahavir University actively promotes such initiatives as part of its commitment to holistic student development.

The **Startup Idea Event was organized as an in-house event under SPANDAN 2025**, an annual celebration of talent, innovation, and creativity at Bhagwan Mahavir University (BMU). This initiative aimed to cultivate entrepreneurial thinking and encourage students to present innovative startup concepts addressing real-world problems. It provided a dynamic platform for students to pitch their ideas and receive valuable feedback from esteemed juries.

This year, the **opportunity to host the event was granted to Bhagwan Mahavir College of Basic and Applied Sciences (BMCBAS)**. The event was successfully coordinated by Ms. Rukhsar Ansari (Ad-hoc Assistant Professor, BMCBAS), along with the enthusiastic support of the entire Science College team.

EVENT STRUCTURE:

Time	Activity	Details
10:00 AM – 10:30 AM	Registration & PPT Submission	Participants registered and submitted their presentations via email
10:30 AM – 10:45 AM	Inauguration Ceremony	Lamp lighting and welcome address by event coordinators
10:45 AM – 11:00 AM	Introduction of Jury Members	Brief introduction of Dr. Rashmi Korat and Ms. Suman Pandit
11:00 AM – 01:00 PM	Participant Presentations	Students presented their startup ideas individually or in teams

01:00 PM – 01:15 PM	Jury Deliberation	Judges evaluated entries based on innovation, feasibility, presentation etc.
01:15 PM – 01:30 PM	Result Announcement & Felicitation	Winners were announced and awarded; juries were felicitated
01:30 PM – 01:45 PM	Feedback Collection via QR Code	Participants scanned the QR code and submitted event feedback
01:45 PM – 02:00 PM	Conclusion	Formal closure of the event with appreciation remarks

Startup Presentations:

Participants presented unique and impactful startup ideas. Some of the key themes and ideas included:

1. **Salute Shocks**
    - Addressing **leg rottenness in soldiers** during rainy and snowy seasons.
    - **Solution:** Waterproof socks for army personnel serving in extreme weather.
2. **Fuel Delivery Services**
    - A concept to improve the **availability and accessibility** of fuel through doorstep delivery.
3. **Purity – Organic Seed Fusion Variety**
    - Promoting organic nutrition as a preventive healthcare approach to combat chronic diseases.
4. **Punch-a-Wall (Stress Relief Startup)**
    - Offering a **safe, fun, and effective way** for stress relief among corporates, students, and gamers.
5. **ELECTRO-REC**
    - A **smart e-waste recycling application** aimed at promoting sustainable electronic waste management.

Judging Criteria:

Each presentation was evaluated based on the following parameters:

- Innovation & Uniqueness

- Feasibility & Practicability
- Presentation Skills & Confidence
- Time Management
- Q&A Handling Skills

Participation Format:

- Participation was allowed **individually or in teams of two**.
- Each team/presenter had a limited time to present followed by a Q&A session.

WINNERS:

🏆 **First Rank: Mahapatra Shruti (BMCP, BMU)**

🥈 **Second Rank: Team Akash Pandey & Shailesh Vishwakarma (BMCM, BMU)**

The winners received trophies, medals, certificates, and gift hampers. All other participants were acknowledged with participation certificates, and the jury members were felicitated with gift hampers as a token of appreciation.

PROGRAM OUTCOMES:

- ✓ **Enhanced Entrepreneurial Thinking**

Participants developed a deeper understanding of how to identify real-world problems and transform them into innovative business ideas.

- ✓ **Practical Exposure to Startup Culture**

Students gained exposure to the startup ecosystem, encouraging them to think like entrepreneurs and problem-solvers.

- ✓ **Improved Presentation and Communication Skills**

Through pitching their ideas, participants strengthened their ability to present clearly,

confidently, and convincingly.

- ✓ **Critical Evaluation and Feedback**

Constructive feedback from experienced jury members helped participants refine their concepts and understand areas of improvement.

- ✓ **Teamwork and Collaboration**

For team participants, the event fostered collaborative working, idea sharing, and mutual learning experiences.

- ✓ **Recognition and Motivation**

The event served as a motivational platform, recognizing student efforts with awards and certificates, boosting confidence and morale.

- ✓ **Awareness of Social and Technological Problems**

Several startup ideas addressed social, environmental, and health-related issues, sensitizing students toward societal challenges.

- ✓ **Platform for Interdisciplinary Learning**

With participants from different colleges and backgrounds within BMU, the event encouraged interdisciplinary interaction and idea exchange.

We extend our heartfelt gratitude to **Dr. Murtaza Hajoori, Dr. Sumita Dasgupta, Dr. Pooja Desai, Ms. Yagna Patel, Ms. Jyoti Kumawat, Ms. Shikha Agarwal, Sangita Behara (student) and Dhruvi Sharma (student)** for their support and valuable contributions throughout the event.

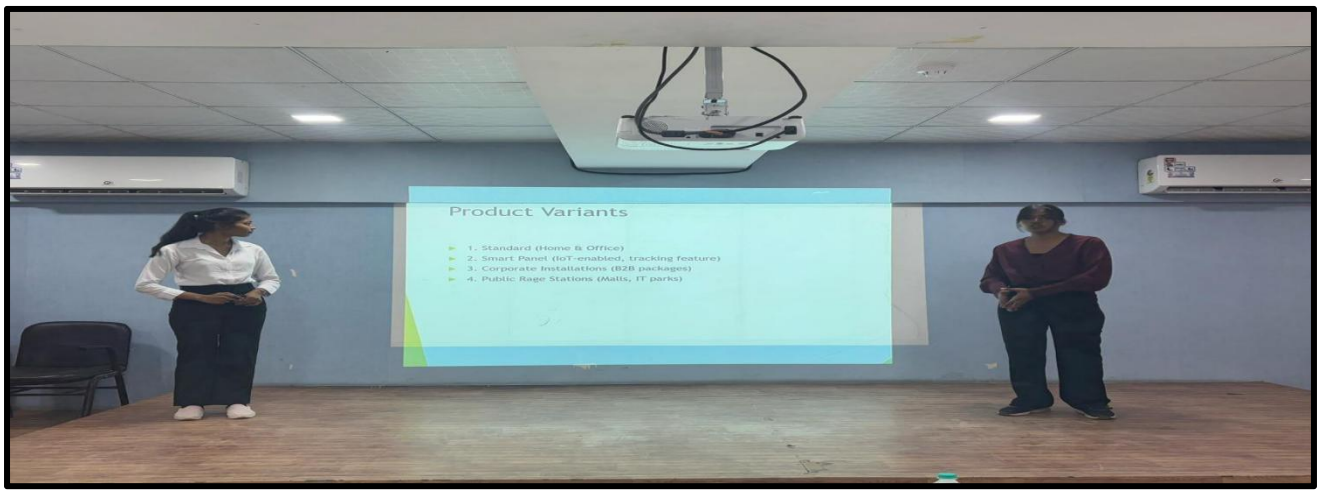
A special note of thanks to **Dr. Vineet Jain Sir** (Dean, BMCBAS, BMU) for his constant encouragement and support, which greatly contributed to the successful organization of the Startup Idea Event.

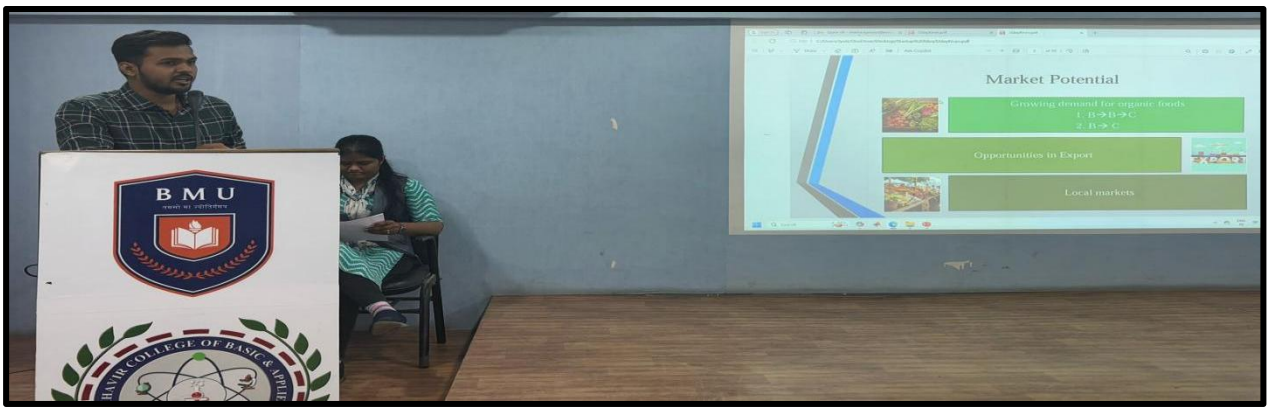
CONCLUSION:

The event concluded on a high note, successfully achieving its objective of promoting entrepreneurial spirit and creativity among the youth of BMU. A QR code was generated and shared at the end of the event to collect feedback from participants to help improve future events.

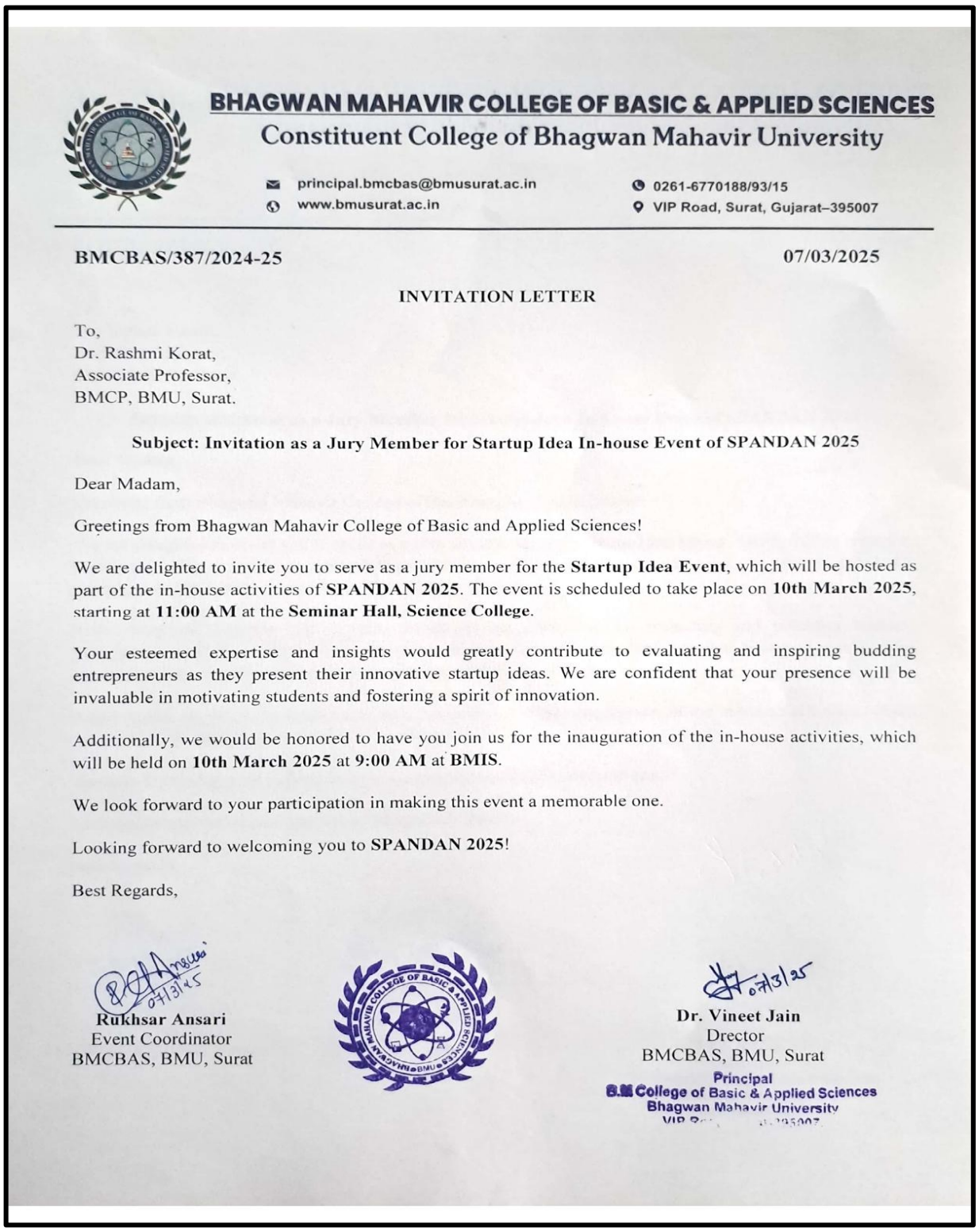
EVENT BROCHURE:

EVENT PHOTOGRAPHS:




Market Potential
Growing demand for organic foods
Opportunities in Export
Local markets

INVITATION LETTER FOR JURY MEMBERS:



BHAGWAN MAHAVIR COLLEGE OF BASIC & APPLIED SCIENCES
Constituent College of Bhagwan Mahavir University

principal.bmcbas@bmusurat.ac.in | 0261-6770188/93/15
www.bmusurat.ac.in | VIP Road, Surat, Gujarat–395007

BMCBAS/387/2024-25 07/03/2025

INVITATION LETTER

To,
Dr. Rashmi Korat,
Associate Professor,
BMCP, BMU, Surat.

Subject: Invitation as a Jury Member for Startup Idea In-house Event of SPANDAN 2025

Dear Madam,

Greetings from Bhagwan Mahavir College of Basic and Applied Sciences!

We are delighted to invite you to serve as a jury member for the **Startup Idea Event**, which will be hosted as part of the in-house activities of **SPANDAN 2025**. The event is scheduled to take place on **10th March 2025**, starting at **11:00 AM** at the **Seminar Hall, Science College**.

Your esteemed expertise and insights would greatly contribute to evaluating and inspiring budding entrepreneurs as they present their innovative startup ideas. We are confident that your presence will be invaluable in motivating students and fostering a spirit of innovation.

Additionally, we would be honored to have you join us for the inauguration of the in-house activities, which will be held on **10th March 2025** at **9:00 AM** at **BMIS**.

We look forward to your participation in making this event a memorable one.

Looking forward to welcoming you to **SPANDAN 2025**!

Best Regards,

07/3/25
Rukhsar Ansari
Event Coordinator
BMCBAS, BMU, Surat

07/3/25
Dr. Vineet Jain
Drector
BMCBAS, BMU, Surat
Principal
College of Basic & Applied Sciences
Bhagwan Mahavir University

BHAGWAN MAHAVIR COLLEGE OF BASIC & APPLIED SCIENCES
Constituent College of Bhagwan Mahavir University

principal.bmcbas@bmusurat.ac.in
www.bmusurat.ac.in
0261-6770188/93/15
VIP Road, Surat, Gujarat–395007

BMCBAS/388/2024-25 07/03/2025

INVITATION LETTER

To,
Ms. Suman Pandit,
Assistant Professor,
BMCM, BMU, Surat.

Subject: Invitation as a Jury Member for Startup Idea In-house Event of SPANDAN 2025

Dear Madam,

Greetings from Bhagwan Mahavir College of Basic and Applied Sciences!

We are delighted to invite you to serve as a jury member for the **Startup Idea Event**, which will be hosted as part of the in-house activities of **SPANDAN 2025**. The event is scheduled to take place on **10th March 2025**, starting at **11:00 AM** at the **Seminar Hall, Science College**.

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We look forward to your participation in making this event a memorable one.

Looking forward to welcoming you to **SPANDAN 2025**!

Best Regards,

Rukhsar Ansari
Event Coordinator
BMCBAS, BMU, Surat

Dr. Vineet Jain
Drector
BMCBAS, BMU, Surat
Principal
B.M College of Basic & Applied Sciences
Bhagwan Mahavir University
VIP Road, Surat-395007.

APPRECIATION LETTER FOR JURY MEMBERS:

BHAGWAN MAHAVIR COLLEGE OF BASIC & APPLIED SCIENCES
Constituent College of Bhagwan Mahavir University

principal.bmcbas@bmusurat.ac.in | 0261-6770188/93/15
www.bmusurat.ac.in | VIP Road, Surat, Gujarat–395007

BMCBAS/389/2024-25 07/03/2025

APPRECIATION LETTER

To,
Dr. Rashmi Korat,
Associate Professor,
BMCP, BMU, Surat.

Subject: Appreciation as a Jury Member for Startup Idea In-house Event of SPANDAN 2025

Dear Madam,

Greetings from Bhagwan Mahavir College of Basic and Applied Sciences!

We would like to extend our heartfelt appreciation to you for serving as a **jury member for the Startup Idea Event, part of the in-house activities of SPANDAN 2025**. Your invaluable contribution on **10th March 2025** at the **Seminar Hall, Science College**, helped make the event a grand success.

Your esteemed expertise and insightful feedback played a pivotal role in evaluating and inspiring the budding entrepreneurs who presented their innovative startup ideas. Your presence not only motivated the students but also fostered a spirit of innovation, helping them to believe in their ideas and strive for success.

We are grateful for the time and effort you dedicated to making SPANDAN 2025 a memorable and impactful event for all involved.

Looking forward to your continued support and hoping for more such opportunities in the future.

Best Regards,

Rukhsar Ansari
Event Coordinator
BMCBAS, BMU, Surat

Dr. Vineet Jain
Drector
BMCBAS, BMU, Surat

Principal
B.M College of Basic & Applied Sciences
Bhagwan Mahavir University

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0261-6770188/93/15
VIP Road, Surat, Gujarat–395007

BMCBAS/390/2024-25 07/03/2025

APPRECIATION LETTER

To,
Ms. Suman Pandit,
Assistant Professor,
BMCM, BMU, Surat.

Subject: Appreciation as a Jury Member for Startup Idea In-house Event of SPANDAN 2025

Dear Madam,

Greetings from Bhagwan Mahavir College of Basic and Applied Sciences!

We would like to extend our heartfelt appreciation to you for serving as a **jury member for the Startup Idea Event, part of the in-house activities of SPANDAN 2025**. Your invaluable contribution on **10th March 2025** at the **Seminar Hall, Science College**, helped make the event a grand success.

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We are grateful for the time and effort you dedicated to making SPANDAN 2025 a memorable and impactful event for all involved.

Looking forward to your continued support and hoping for more such opportunities in the future.

Best Regards,

07/03/25
Rukhsar Ansari
Event Coordinator
BMCBAS, BMU, Surat

07/3/25
Dr. Vineet Jain
Drector
BMCBAS, BMU, Surat
Principal
B.M College of Basic & Applied Sciences
Bhagwan Mahavir University
VIP Road, Surat-395007.

ATTENDANCE SHEET:

BHAGWAN MAHAVIR UNIVERSITY

SPANDAN IN-HOUSE EVENT 2025

Event Name	Startup Idea
Date	10/03/2025
Time	11:00 AM onwards
Venue	Seminar Hall, Bhagwan Mahavir College of Basic and Applied Sciences
Faculty Coordinator Name	Ms. Rukhsar Ansari
College Name	Bhagwan Mahavir College of Basic and Applied Sciences
Judge Name (1)	Dr. Rashmi Korat
Judge Name (2)	Ms. Suman Pandit
Faculty Coordinator Sign	

Participant registration

Sr no.	Name of Participant	College name	Contact no.	sign
1	VISHWAS TIWARI PARSHNATH	BMCCA	7984527435	
2	SHIRSAT ROSHNI KISHOR	BMCBAS	9924682619	
3	SINGH AMAR GOPAL	BMCBAS	7899908881	
4	V. Uday Kiran	BMCBAS	6354545593	
5	ANKITA MANDAL / CHANDNI CHUDASAMA	BMCCMS	8160482170 / 9265929379	
6	MORADIYA HARSH	BMCBAS	98247 53979	
7	Akash Pandey / Shailesh Vishwakarma	BMCM	7984540388	
8	Mahapatra Shruti	BMCP	6354115935	
9				

WINNER LIST:

Winner list

Winner	Name of winner	College name	sign
Rank 1	Mahapatra Shruti	BMCP	
Rank 2	Akash Pandey & Shailesh Vishwakarma	BMCM	
Rank 3			

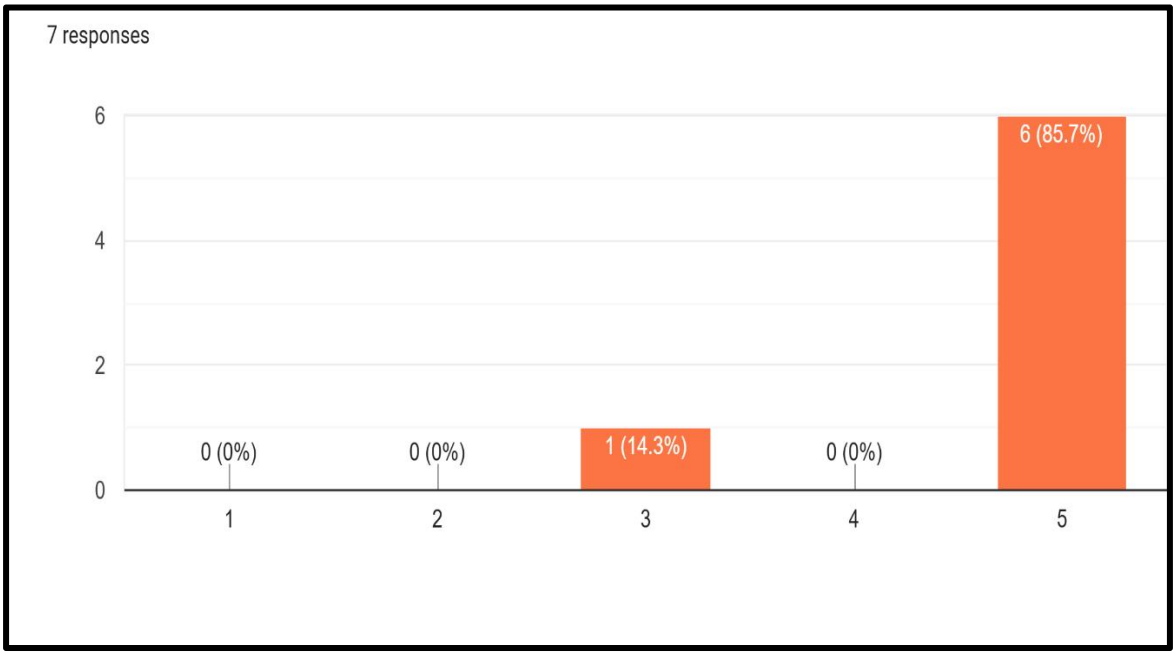
Sr no.	Name of judge	Contact no.	sign
1	Dr. Rashmi Korat	97413 16824	
2	Ms. Suman Pandit	98982 40192	

FEEDBACK ANALYSIS:

QR Generated to receive the feedback:

Few Questions asked in Feedback are mentioned below:

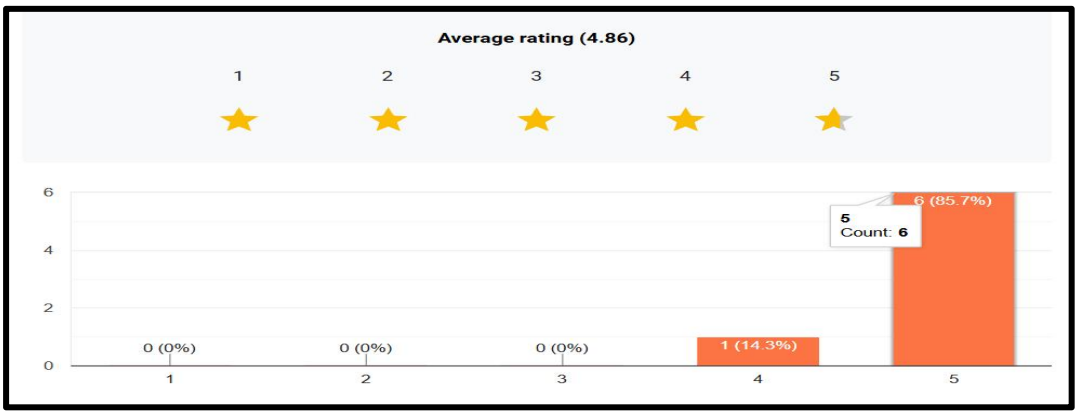
1. **How would you rate the overall organization of the competition?**



2. **How satisfied were you with the clarity of competition guidelines and rules?**

3. **How satisfied were you with the clarity of competition guidelines and rules?**

4. **How helpful were the event coordinators and support staff?**



5. **How fair and transparent was the judging process?**

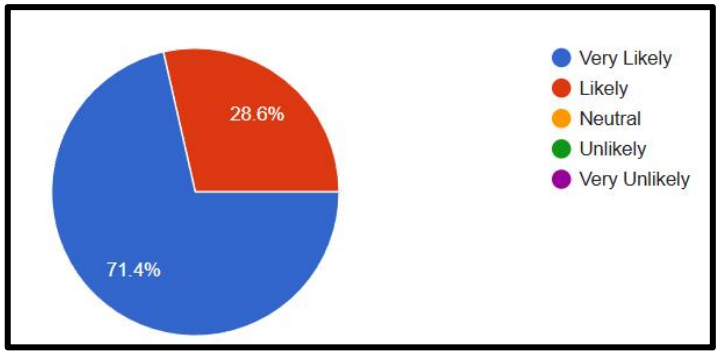
6. **Did you find the evaluation criteria appropriate and well-explained?**

7. **What was the most valuable takeaway from this competition?**

   Responses obtained:

   - ✓ So much ideas and creative minds the loopholes and their prospective are the main takeaways
   - ✓ Come to learn about the new ideas, the valuable feedback and many more
   - ✓ Confidence
   - ✓ Got to learn & experience something new
   - ✓ Time management
   - ✓ Great overall experience
   - ✓ Learning

8. **How likely are you to participate in similar competitions in the future?**



Report Submitted By:

Name: Ms. Rukhsar Ansari

Designation: Ad-hoc Assistant Professor

Constituent College Name: BMCBAS, BMU.

Date of Event :	29/03/2025, 12:00 AM to 03:00 AM		
Name of Event	Visit to Sorus Laboratories, Athwalines, Surat		
Conducted By:	Bhagwan Mahavir College of Basic and Applied Sciences		
No. of Participants:	Staff: 3	Students: 20	Total: 23
Venue:	Room No - 406, BMCBAS		

Event: -

Undergraduate (UG) and Postgraduate (PG) students from the Department of Biotechnology at Bhagwan Mahavir College of Basic and Applied Sciences participated in an educational visit to Sorus Laboratories, Athwalines, Surat. Sorus Laboratories is one of the leading healthcare laboratories, with a o mission to redefine diagnostics, making it an experience that is precise, accessible, and compassionate. Equipped with top-notch technology and a caring staff, this visit was truly beneficial to students in terms of subjects they are studying in their curriculum.

The visit provided students with exposure to advanced technologies and methodologies in Genomics and Proteomics. Students gained knowledge of high-throughput instrumentation utilized across various departments, including Hematology, Clinical Pathology, Molecular Biology, Cytogenetics, and Histopathology.

A total of **20 students and 3 Staff** from the **Department of Biotechnology, Science College** actively participated in this visit. This experiential learning initiative was planned and organized by **Dr. Pooja Desai**, Assistant Professor, Department of Biotechnology, Science College. Faculty members **Dr. Payal Patel and Ms. Yagna Patel** accompanied the students. Visit was started between 12:00 to 3:00 PM. Productive discussions were held with the **Director Ankita Suthariya** and **Dr. Suresh Prajapati**, culminating in an agreement to facilitate short-term training sessions for students during the summer period, under the coordination of Dr. Pooja Desai.


GPS Map Camera
Surat, Gujarat, India
Kachrapati Society, 3, Near Kalyan Apartment, Athwa, Surat, Gujarat 395007, India
Lat 21.184347° Long 72.811566°
29/03/2025 01:36 PM GMT +05:30
Google


GPS Map Camera
Surat, Gujarat, India
Kachrapati Society, 9, Near Kalyan Apartment, Athwa, Surat, Gujarat 395007, India
Lat 21.184242° Long 72.811665°
29/03/2025 12:40 PM GMT +05:30
Google

Report Submitted By:

Dr. Pooja C. Desai
Designation: Assistant Professor
Constituent College Name: Bhagwan Mahavir College of Basic and Applied Sciences

Date of Event :	11/04/2025, 11:00 AM to 11:30 AM		
Name of Event	Essay Competition on - "National Education Policy – 2020"		
Conducted By:	Bhagwan Mahavir College of Basic and Applied Sciences		
No. of Participants:	Staff: 1	Students: 29	Total: 30
Venue:	Room No - 406, BMCBAS		

Event: -

In an effort to enhance awareness about the transformative changes proposed in the **National Education Policy (NEP) 2020**, **Bhagwan Mahavir College of Basic and Applied Sciences** organized an **Essay Writing Competition** on **11th April 2025**, specifically aimed at undergraduate students of the Science stream. The purpose of this event was to assess the extent to which students understand the core principles and objectives of NEP 2020, and to provide a platform for them to express their interpretations, reflections, and expectations regarding the future of higher education in India. NEP 2020 marks a significant milestone in India's educational landscape, with a focus on flexibility, multidisciplinary learning, skill development, and the holistic growth of learners, making it an essential topic for student engagement.

A total of **29 students** from the **Science College** actively participated in this competition, which was conducted under the supervision of **Mr. Bhargav Kothiya**, **Ad-hoc Assistant Professor**, and **Dr. Sumita Das Gupta**, **Assistant Professor**, who played a key role in organizing and coordinating the entire event. The programmed commenced with student registration at 10:45 AM, followed by a short introduction to the objectives of NEP 2020. This session helped set the tone for the competition and allowed students to align their thoughts with the broader vision of the policy. The essay writing session was **held from 11:00 AM to 11:30 PM,** during which students were given half hour to write their essays on a topic related to NEP 2020. Students were encouraged to reflect on how the policy can impact curriculum design, assessment patterns, skill development, and opportunities for academic mobility.

To recognize the efforts and enthusiasm of the participants, **E-Certificates** will be issued to all students who took part in the competition. Additionally, **best essay -** based on their content quality and critical insight have been attached with this report to showcase the students' perspectives. For documentation purposes, the original **event circular** and a **sample E-Certificate** have also been enclosed.

Overall, the NEP-2020 Essay Competition served as a valuable academic activity that encouraged critical thinking, policy awareness, and student engagement in nation-building through education.

Student Attendence

BHAGWAN MAHAVIR COLLEGE OF BASIC AND APPLIED SCIENCES

Constituent College of Bhagwan Mahavir University

principal.bmcbas@bmusurat.ac.in | www.bmusurat.ac.in | 0261-4770188/93/15 | VIP Road, Surat, Gujarat-395007

NEP-2020 Essay Competition Student attendance list

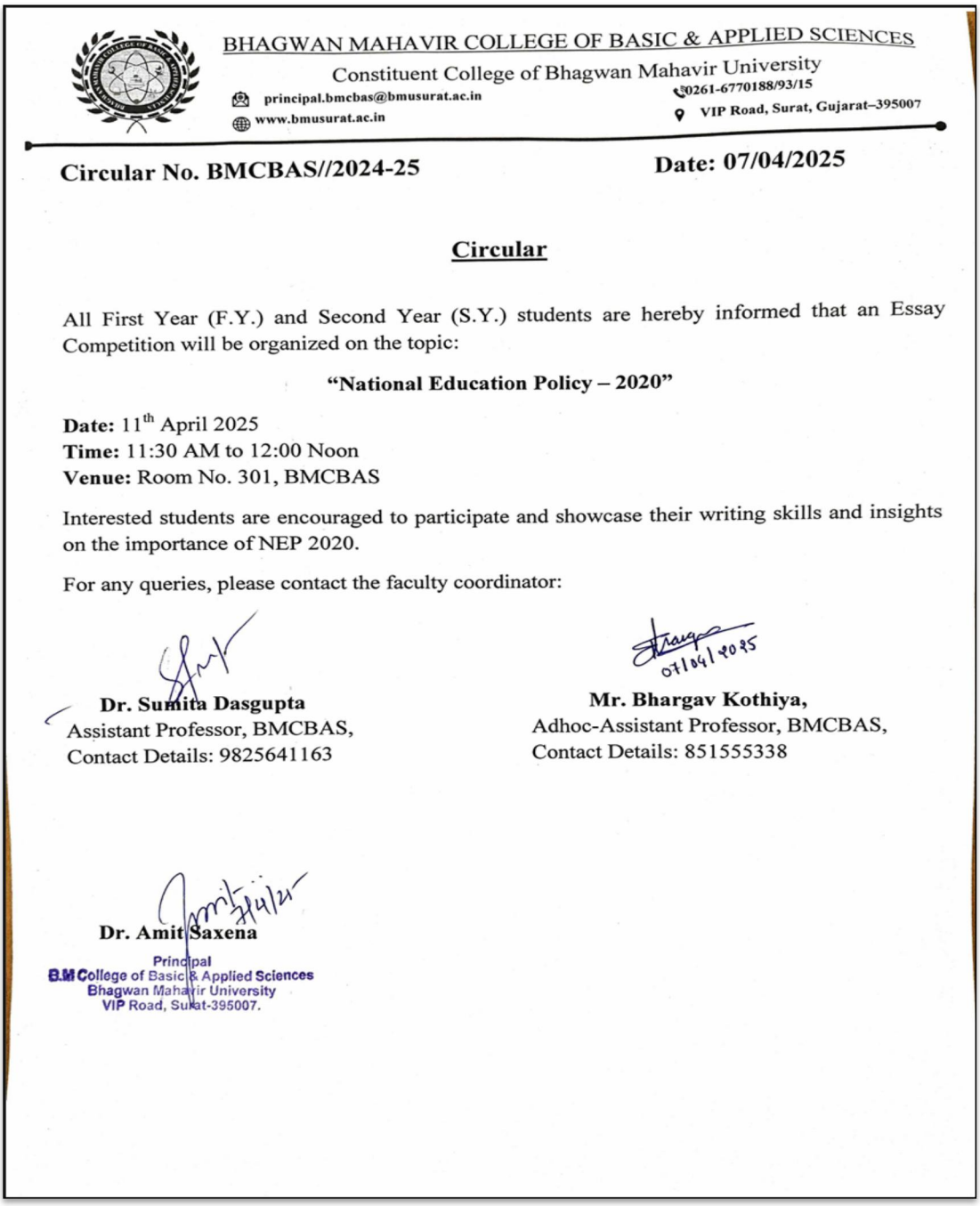
Date:11/04/2025, Time:11:00 to 11:30 Am

Venue:- BMCBAS, Room no- 406

Sr.No	Name	Course	Sign
1	Mansuri Afsha Aiyub	B.Sc. MLT	
2	Patel Priya	B.Sc. MLT	
3	Patel Prachi	B.Sc. MLT	
4	Maurya Anchal	B.Sc. MLT	
5	Neha Dharmale	B.Sc. MLT	
6	Anchal . S. Maurya	B.Sc. MLT	
7	Prachi Agarwal	B.Sc.Microbiology	
8	Moksha Bapotra	B.Sc. Microbiology	
9	Bhoomika Hadiya	B.Sc. Microbiology	
10	Dhruv Patel	B.Sc. Microbiology	
11	Keval Ajudiya	B.Sc. Microbiology	
12	Harsh Moradiya	B.Sc. Microbiology	
13	Pratik Gupta	B.Sc. Microbiology	
14	Abul Shaikh Hasim	B.Sc. Microbiology	
15	Yashraj Dubey	B.Sc. Microbiology	
16	Singh Varsha	B.Sc. Microbiology	
17	Ankir Keshari	B.Sc. Chemistry	
18	Akash Pandey	B.Sc. Chemistry	
19	Shivam Mishra	B.Sc. Chemistry	
20	Panchari Vatsal	B.Sc. Chemistry	
21	Rahul Singh	B.Sc. Chemistry	
22	Bhayani Shruti	B.Sc. Chemistry	
23	Padhiyar Udayraj	B.Sc. Chemistry	
24	Pokiya Nikunj	B.Sc. Chemistry	
25	Bharwad Ajay	B.Sc. Chemistry	
26	Rout Rahulkumar	B.Sc. Biotechnology	
27	Patel Tulsi	B.Sc. Biotechnology	
28	Daki Priyank	B.Sc. Biotechnology	
29	Sahani Priyansha	B.Sc. Biotechnology	

11/04/2025

Event Circular



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principal.bmcbas@bmusurat.ac.in
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0261-6770188/93/15
VIP Road, Surat, Gujarat–395007

Circular No. BMCBAS//2024-25 **Date: 07/04/2025**

Circular

All First Year (F.Y.) and Second Year (S.Y.) students are hereby informed that an Essay Competition will be organized on the topic:

"National Education Policy – 2020"

Date: 11th April 2025
Time: 11:30 AM to 12:00 Noon
Venue: Room No. 301, BMCBAS

Interested students are encouraged to participate and showcase their writing skills and insights on the importance of NEP 2020.

For any queries, please contact the faculty coordinator:

Dr. Sumita Dasgupta
Assistant Professor, BMCBAS,
Contact Details: 9825641163

07/04/2025

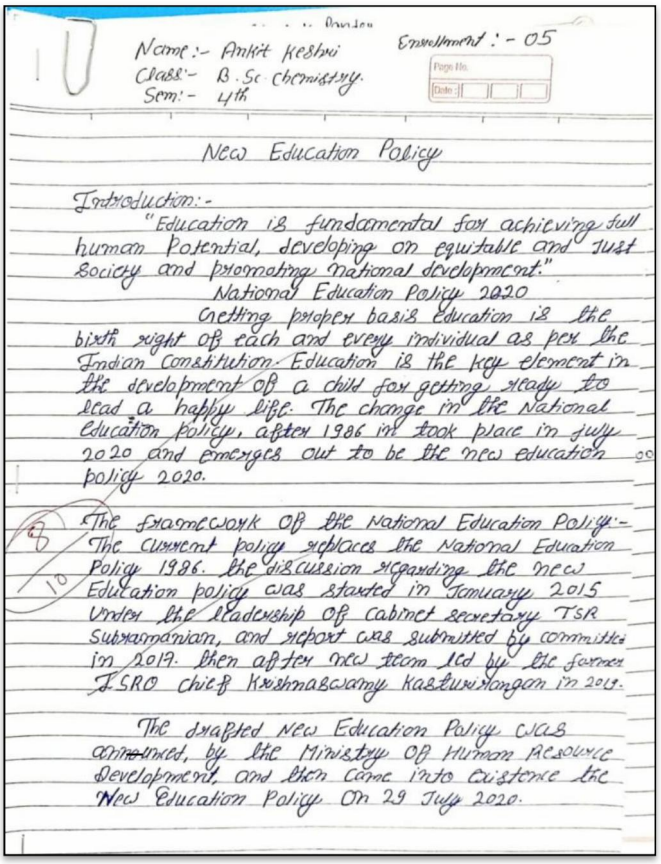
Mr. Bhargav Kothiya,
Adhoc-Assistant Professor, BMCBAS,
Contact Details: 851555338

Dr. Amit Saxena
Principal
B.M College of Basic & Applied Sciences
Bhagwan Mahavir University
VIP Road, Surat-395007.

Event Photographs:-

E-Certificate

Selected Essays on NEP -2020



Name :- Ankit Keshri
Class :- B.Sc chemistry
Sem :- 4th
Enrollment :- 05

New Education Policy

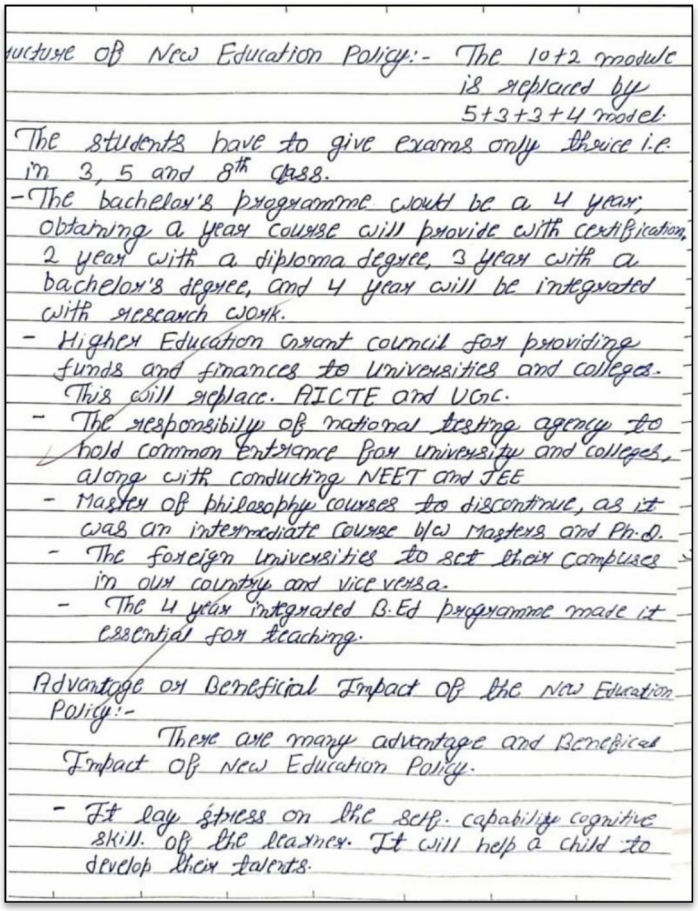
Introduction :-

"Education is fundamental for achieving full human potential, developing on equitable and just society and promoting national development."
National Education Policy 2020

Getting proper basis Education is the birth right of each and every individual as per the Indian constitution. Education is the key element in the development of a child for getting ready to lead a happy life. The change in the National Education policy, after 1986 in took place in July 2020 and emerges out to be the new education policy 2020.

The framework of the National Education Policy :-
The current policy replaces the National Education Policy 1986. The discussion regarding the new Education policy was started in January 2015 under the leadership of cabinet secretary TSR Subramanian, and report was submitted by committee in 2019. then after new team led by the former ISRO chief Krishnaswamy Kasturirangan in 2019.

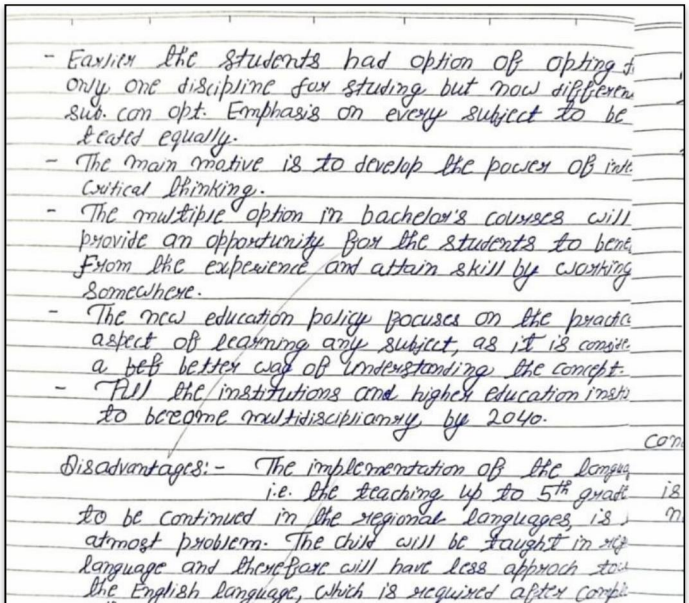
The drafted New Education Policy was announced, by the Ministry of Human Resource Development, and then came into existence the New Education Policy on 29 July 2020.



ructure of New Education Policy :- The 10+2 module is replaced by 5+3+3+4 model.
The students have to give exams only thrice i.e in 3, 5 and 8th class.
- The bachelor's programme could be a 4 year; obtaining a year course will provide with certification, 2 year with a diploma degree, 3 year with a bachelor's degree, and 4 year will be integrated with research work.
- Higher Education Grant council for providing funds and finances to universities and colleges. This will replace. AICTE and UGC.
- The responsibility of national testing agency to hold common Entrance for university and colleges, along with conducting NEET and JEE
- Master of philosophy courses to discontinue, as it was an intermediate course b/w Masters and Ph.D.
- The foreign universities to set their campuses in our country and vice versa.
- The 4 year integrated B.Ed programme made it essential for teaching.

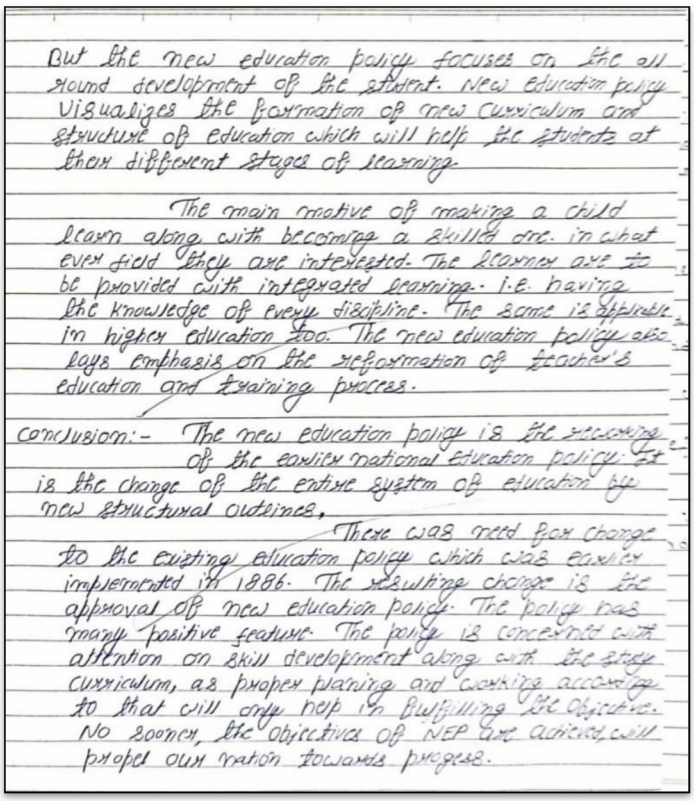
Advantage or Beneficial Impact of the New Education Policy :-
There are many advantage and Beneficial Impact of New Education Policy.

- It lay stress on the self. capability cognitive skill. of the learner. It will help a child to develop their talents.



- Earlier the students had option of opting only one discipline for studing but now different sub. can opt. Emphasis on every subject to be treated equally.
- The main motive is to develop the power of int critical thinking.
- The multiple option in bachelor's courses will provide an opportunity for the students to beni from the experience and attain skill by working somewhere.
- The new education policy focuses on the practic aspect of learning any subject, as it is consid a bet better way of understanding the concept.
- All the institutions and higher education insti to become multidisciplinary by 2040.

Disadvantages :- The implementation of the langu i.e. the teaching up to 5th grade is to be continued in the regional languages is a atmost problem. The child will be taught in m language and therefore will have less approach to the English language, which is required after compl



But the new education policy focuses on the all round development of the student. New education policy visualizes the formation of new curriculum and structure of education which will help the students at their different stages of learning.

The main motive of making a child learn along with becoming a skilled one. in what ever field they are interested. The learner are to be provided with integrated learning. i.e. having the knowledge of every discipline. The same is applicable in higher education too. The new education policy also lays emphasis on the reformation of teacher's education and training process.

conclusion:- The new education policy is the revising of the earlier national education policy. It is the change of the entire system of education by new structural outlines.

There was need for change to the existing education policy which was earlier implemented in 1986. The resulting change is the approval of new education policy. The policy has many positive feature. The policy is concerned with attention on skill development along with the study curriculum, as proper planing and working according to that will only help in fulfilling the objective. No sooner, the objectives of NEP are achieved, will proper our nation towards progress.

Report Submitted By:

Mr. Bhargav Kothiya,
Designation: Adhoc Assistant Professor
Constituent College Name: Bhagwan Mahavir College of Basic and Applied Science

ANNEXURE 03: MoU's, Patents and Research Articles Documentation

MEMORANDUM OF UNDERSTANDING

Between
BHUMA RESEARCH IN AYURVEDIC AND HERBAL MEDICINE, SURAT (BRAHM)
And
BHAGWAN MAHAVIR COLLEGE OF BASIC & APPLIED SCIENCES (BMCBAS)
(A Constituent College of Bhagwan Mahavir University, Surat)

This Memorandum of Understanding (MoU) is entered into on this 14th day of May, 2025, by and between:
BHUMA RESEARCH IN AYURVEDIC AND HERBAL MEDICINE herewith referred to as BRAHM, having its Research & Development (R & D) laboratory at 205, Trade House, Athugar Street, Nanpura, Surat – 395001.

AND

BHAGWAN MAHAVIR COLLEGE OF BASIC & APPLIED SCIENCES herewith referred to as BMCBAS (A Constituent College of Bhagwan Mahavir University, Surat), located at VIP Road, Bharthana, Vesu, Surat - 395017, Gujarat, India.

Both parties hereinafter jointly referred to as the "Parties".

The objective of this MOU is to keep the students and the faculty of BMCBAS apprised of the latest developments in the industry, through state-of-the art training, practical application know-how, seminars, etc. BMCBAS will endeavor to contribute to enhancing the quality of education. This is expected to be of immense benefit to both the Parties.

The BRAHM appreciates the vision of the BMCBAS explicitly stated in its vision statement, with excellence in education manifested through measurable parameters like results and placements,

MEMORANDUM OF UNDERSTANDING

Between
CELLTECH LIFE SCIENCES LLP, SURAT
And
BHAGWAN MAHAVIR COLLEGE OF BASIC & APPLIED SCIENCES (BMCBAS)
(A Constituent College of Bhagwan Mahavir University, Surat)

This Memorandum of Understanding (MoU) is entered into on this 7th day of May, 2025, by and between:
CELLTECH LIFE SCIENCES LLP, having its registered office at 411, 4th Floor, Happy Hallmark Shoppers, Next to Celebrity Green, Vesu, Surat - 395007, Gujarat, India,
AND
BHAGWAN MAHAVIR COLLEGE OF BASIC & APPLIED SCIENCES herewith referred to as BMCBAS; (A Constituent College of Bhagwan Mahavir University, Surat), located at VIP Road, Bharthana, Vesu, Surat - 395017, Gujarat, India.

Both parties hereinafter jointly referred to as the "Parties".

The objective of this MOU is to keep the students and the faculty of BMCBAS apprised of the latest developments in the industry, through state-of-the art training, application know-how, seminars, etc. **BMCBAS** will endeavor to contribute to enhancing the quality of education. This is expected to be of immense benefit to both the Parties.

The **Celltech Life Sciences LLP** appreciates the vision of the BMCBAS explicitly stated in its Vision Statement, with excellence in Education manifested through measurable parameters like results and placements, Excellence in infrastructure manifested through environment and space conducive for learning, Excellence in human resource manifested through training and development of employees and to provide Research & Development work in emerging areas of Technology Management. The **Celltech Life Sciences LLP** acknowledges the strengths of the BMCBAS in terms of the

पेटेंट कार्यालय भारत सरकार
पेटेंट प्रमाण पत्र |
The Patent Office, Government Of India
Patent Certificate

पेटेंट सं. / Patent No. : 549596
आवेदन सं. / Application No. : 202321004722
दाखल करने की तारीख / Date of Filing : 24/01/2023
पेटेंटी / Patentee : 1.Vaghela Mansi Vijaybhai [Alumni of Bhagwan Mahavir University] 2.Dr. Mataura Hajoori [Faculty of Bhagwan Mahavir University]

इसमें यह प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में उल्लेखित MICRO-EMULSION BASED HERBAL FORMULATION संबंध अधिनियम के तहत, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख जनवरी 2023 के चौबीसवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled MICRO-EMULSION BASED HERBAL FORMULATION as disclosed in the above mentioned application for the term of 20 years from the 24th day of January 2023 in accordance with the provisions of the Patents Act, 1970.

अनुदान की तारीख : 04/09/2024
Date of Grant :

The Patent Controller of Patents

Note - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 24th day of January 2025 and on the same day in every year thereafter.

International Journal for Multidisciplinary Research (IJFMR)
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Prevalence of Uropathogens and Its Antibiogram Among Diabetic and Non-Diabetic Patients.

Nilofar Pathan[1], P. C. Desai[2]

[1]Research Scholar, Department of Biotechnology, Bhagwan Mahavir Centre for Advance Research, Bhagwan Mahavir University, Surat, Gujarat-395007, India.
[2*]Assistant Professor, Bhagwan Mahavir University, Surat, Gujarat-395007, India.

Abstract

Objectives: The objectives of the research was to evaluate the prevalence of uropathogens, their resistance pattern, and association factors of UTI among diabetic and non-diabetic patients.

Material and Methods: A cross-sectional study was conducted during the year Sep-2022 to Jan-2024, among 1048 adult patients from SMIMER (Smimer Hospital and Medical college, Surat) and other private laboratory from Surat area. Using recommended culture methods, Clean-catch midstream urine samples were collected and examined for the presence of uropathogens and their antimicrobial susceptibility pattern.

Results: The highest prevalence of uropathogens were *Escherichia coli* (49%), *Klebsiella spp (39.2%)* and Candida (fungus) (13.2%). Most of the uropathogens were sensitive to nitrofurantoin, cefixime and amikacine in diabetic and most of the uropathogens were sensitive to meropenem, amikacine and levofloxacin in non-diabetic patients. Whereas resistant to Ampicillin/Sulbactam, Cefuroxime and Co-Trimoxazole (Sulpha/Trimethoprim) in diabetic patients, same as resistant to amikacin and netillin drug in non diabetic patients.

Conclusion: The prevalence of UTI and most commonly used antibiotics among diabetic and non-diabetic patients is compared with published paper. Urine analysis and culture should be performed in all diabetic and non diabetic patients. Most common uropathogens is *E.coli* in both groups.

Keywords: Diabetes mellitus, non-diabetic, glycated hemoglobin, urinary tract infection, Antibiotics.

Introduction

Diabetes is a worldwide health problem which increases day by day. It is one of the top ten causes of death in world and is due to its complications. It can lead to serious health complications affecting various organs and systems in the body. People of all ages are affected by diabetes.[1] Diabetes mellitus (DM) has recently been considered as a growing health problem worldwide. In 2019, the global prevalence of DM was estimated to be 9.3% (463 million people), it is expected to rise to 10.2% (578 million) by 2030 and 10.9% (700 million) by 2045.[2] Diabetic patients are at higher risk for all infections than non-diabetic patients. Different studies confirmed that high blood glucose levels that are not adequately controlled could provide a rich source of nutrients for bacteria. Additionally, weakened immune systems in diabetic patients, such as decreased T-cell-mediated immune response and impaired bladder emptying due to autonomic neuropathy, may raise the risk of UTIs in diabetic patients since urine stays in the bladder for too long and becomes a breeding ground for bacterial growth.[3] The study

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Research Article

Screening of Phytochemicals from Leaf Extracts of *Argyreia nervosa*

Dhvani Goti[1], Dr. Sumita Dasgupta[2*], Shivangi Zaveri[2], Riddhi Bhalani[1]

[1]Research scholar, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University, Surat.
[2*]Assistant professor, Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University, Surat.

Abstract

The Indian medicinal plants are well-known for their medicinal uses. These rich reserves of Indian medicinal plants provide a mammoth scope for the discovery of new drugs for treating the most incurable human health issues. *Argyreia nervosa* (Burm. f.) Bojer, an Indian medicinal plant has long been used to treat a wide range of ailments in ancient Ayurvedic Indian medicine. The leaves are used to treat infectious wounds. This study aimed to screen the phytochemicals present in leaf extracts of *Argyreia nervosa*. Preliminary phytochemical screening showed the presence of flavonoids, saponins, carotenoids, carbohydrates, tannins, and proteins. Flavonoid and saponin were found to be the most dominant phytochemicals present. High-performance thin layer chromatography (HPTLC) study showed 5 bands of flavonoids, Rf two bands was found to be matching with of quercetin and rutin. Five bands of saponin were detected in HPTLC analysis, Rf of one band corresponded with the Saponin diosgenin. The healing property of the leaf of the *Argyreia nervosa* can be correlated with the presence of these secondary metabolites. However, the preliminary findings of the current study need more scientific validation.

Key words: *Argyreia nervosa*, quercetin, diosgenin, flavonoid, saponin.

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INTRODUCTION

Nature has provided us with a very rich botanical wealth and a diverse type of herbal plants growing wild in different parts of our country. Today there is an increasing demand for medicinal plant-based products[1]. Despite the advancements in modern healthcare, recently, a shift has been noticed from synthetic to herbal medicine which can be regarded as "Return to Nature"[2]. *Ayurveda* has about 700 types of plants listed in its medicinal systems. The use of such herbs is mentioned in the ancient *Ayurvedic* literature like, *Vedas, Chakara Samhita* and *Sushruta Samhita*[3], [4]. *Argyreia nervosa* is a popular Indian medicinal plant belonging to Convolvulaceae family, which has long been used in traditional ayurvedic Indian medicine and also by other countries for various diseases[5]. This plant has been recommended for various therapeutic uses in ayurvedic system of medicine[6]. It has been mentioned in plethora of ayurvedic nighantu such as *Dhanvantari, Madanpala, Kaiyadeva, Raj, Bhavaprakasha, Adarsh* etc[7]. The plant was pharmacologically studied for various activities like; wound healing activity, nootropic, aphrodisiac, anti-obesity, immunomodulatory, hepatoprotective, antioxidant, antiinflammatory, antihyperglycemic, antidiarrheal, antimicrobial, antiviral, nematicidal, antiulcer, anticonvulsant, analgesic and central nervous depressant activities[8–16]. The leaf extracts are known for wound-healing properties[11]. The current study aimed to determine the active phytochemicals present in the extracts of the leaf of *Argyreia nervosa*.

Materials and methods

Plant sample collection and identification

Plant sample was collected from Gadarpar, Uttarakhand and from Victoria national park, Bhavnagar, India. authenticated by

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Journal of Future Foods 5-3 (2025) 304–316
journal homepage: http://www.keaipublishing.com/en/journals/journal-of-future-foods

Evaluating probiotic properties of gut microflora for gut modulation as an adjuvant therapy for Parkinson's disease

Nishi Jayesh Patel*, Murtaza Hajoori, Piyush Desai
Bhagwan Mahavir Centre for Advance Research, Bhagwan Mahavir College of Basic and Applied Science, Surat 395017, India

ARTICLE INFO

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Dopamine
Gamma amino butyric acid
Serotonin
Short chain fatty acids
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ABSTRACT

Parkinson's disease (PD) is a neurodegenerative disease. It is not curable and treatment revolves around controlling the symptoms. The most preferable approach is medicating with levodopa drug. One of the major concerns in treating with this drug is its conversion to dopamine within the gut and 1%–10% of dopamine becomes available to the brain, thus compromising the effectiveness of the treatment. Other dominant concerns are γ-amino butyric acid (GABA) collapse and serotonergic dysfunction that leads to secondary symptoms. To counter-balance its appalling repercussions reversal of gut bacterial dysbiosis and gut modulation by supportive bacteria is the new uproar, uncovering potent applications. In this study, gut bacteria were focused on having the ability to overcome the drug interference possibility. Samples were collected from PD patients, prone to PD, and healthy individuals for isolation of gut bacteria and were screened for criteria like tyrosine decarboxylase, GABA, short chain fatty acids (SCFAs), and serotonin production. Thin layer chromatography (TLC), Fourier transform infrared spectroscopy (FTIR), and spectrophotometric analysis were used to test bacteria for the production of GABA and serotonin. A total of 855 isolates were screened and 23 isolates were further evaluated for their probiotic properties. Out of which 6 isolates namely HFS 2.1 TM, HFS 10.2 TM, FS 9.2 SA, HFS 6.2 NA, HFS 11.1 TM, and HFS 11.1 PDA were identified by 16S rRNA sequencing and were screened positive to be prospective psychobiotic agents that could be employed as adjuvant therapy for PD.

1. Introduction

A neurodegenerative ailment, Parkinson's disease (PD) is second to Alzheimer's disease in terms of prevalence[1]. Pathologically PD is attributed to the loss of dopaminergic neurons from the substantia nigra pars compacta[2]. Alpha-synuclein protein misfolds and aggregates in the brains of PD sufferers to create Lewy bodies. These bodies build up and cause nerve cell death, a condition known as α-synucleinopathy[3]. Dopamine production consequently declines, which has an impact on all dopamine-related functions. Dopamine has a variety of roles including those related to cognition, reward, motivation, movement, learning, and pleasure. It also acts as a vasodilator and reduces the pancreas' ability to produce insulin[4,5]. As a part of treatment, this dopamine is provided externally to patients through its precursor metabolite levodopa. PD's treatment focuses on managing symptoms but is not a cure. The preferred course of action is to take the levodopa medication; over time, the drug dosage escalates until it reaches the highest level, minimizing its effectiveness and exhibiting several adverse effects in the patient's body[7]. Surgery would be preferred as the final option by doctors (deep brain stimulation), which would cut down on the medication dosage to a specific amount; however, effectiveness is 50%–60%[8,9]. Therefore, this research deals with exploring gut microflora that can be used to formulate a psychobiotic to be used as adjuvant therapy for PD[5,10]. Psychobiotics are live bacteria administered as probiotics and establish themselves in the patient's gut[11–13]. Our gut contains a

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scientific reports

OPEN

In vitro and in silico evaluation of fluorinated diphenylamine chalcone derivatives as potential antimalarial and anticancer agents

Aviral Shah[1], Kathan Desai[1], Ajaykumar Bhanusali[1], Shikha Agrawal[1], Khushbu Patel[1], Nilesh Naik[2], Anuj Thakar[2], Hem Naik[3], Dilip Kanjariya[3], Naved Malek[3], Smita Jauhari[3], Yogesh Kadam[4], Bhavesh Patel[5] & Ankit B. Shah[1]✉

A series of novel diphenylamine fluorinated chalcone derivatives (B1–B10) were synthesized and characterized using ^{1}H and ^{13}C NMR, IR, and MS, and purity was determined using HPLC. The compounds were evaluated for their antimicrobial, antimalarial, and anticancer activities, with Chloramphenicol, Griseofulvin, and 5-Fluorouracil serving as standard reference drugs. Notably, B6 exhibited excellent antifungal activity, comparable to that of the standard drug Griseofulvin. Compounds B3 and B5 showed strong antimalarial effects against *Plasmodium falciparum*. Both B3 and B5 exhibit substantial cytotoxicity against HeLa cells, with IC_{50} values of 24.53 µg/ml for B5 and 32.42 µg/ml for B3. These results clearly demonstrate that both compounds outperform the standard drug 5-Fluorouracil, establishing their strong potential as effective alternatives in cancer therapy. Molecular docking studies revealed that B3 and B6 effectively interacted with the active site of *Falcilysin*, while B5 and B7 showed favourable binding to proteins 6GUE and 2 × 7 F. Molecular dynamics simulations confirmed the stability of B3 and B6 with *P. falciparum*, while B5 and B3 exhibited promising interactions with 6GUE and 2X7F. These results suggest that compounds B3 and B5 are potential lead candidates for developing novel antimicrobial, antimalarial, and anticancer therapies.

Keywords Fluorinated diphenylamine Chalcones, In vitro biological evaluation, Methoxy functional group ($-OCH_3$), In Silico study

A significant number of global deaths can be attributed to communicable diseases (including infectious and parasitic diseases, as well as maternal, perinatal, and nutritional conditions), non-communicable diseases (chronic conditions), and injuries[1]. The leading global causes of death include heart disease, stroke, chronic bronchitis, lower respiratory infections (including COVID-19), cancer, microbial infections, and malaria[2–4]. Cancer is the second-most common cause of fatalities worldwide, responsible for over 10 million deaths in 2020, primarily due to lung, intestinal, rectal, liver, stomach, and breast cancers. Malaria remains a significant cause of mortality globally, particularly in developing nations. Microbial infections caused by fungi, bacteria, and viruses are significant contributors to global deaths, accounting for approximately 13.6% of all fatalities in 2019, making them the second-leading cause of death after cardiovascular diseases[5]. Several factors contribute to the challenges in combating cancer, malaria, and microbial diseases, including a lack of testing and preventive strategies, insufficient resources and awareness, delayed diagnoses, and a scarcity of effective treatments and medications[6–8]. As a result, there is an increasing demand for developing highly effective, cost-efficient, less harmful, and more biocompatible medications for treating cancer, malaria, and microbial infections[9,10] In our efforts to create highly effective medicines, we are focusing on diphenylamine-fluorinated chalcone derivatives[11].

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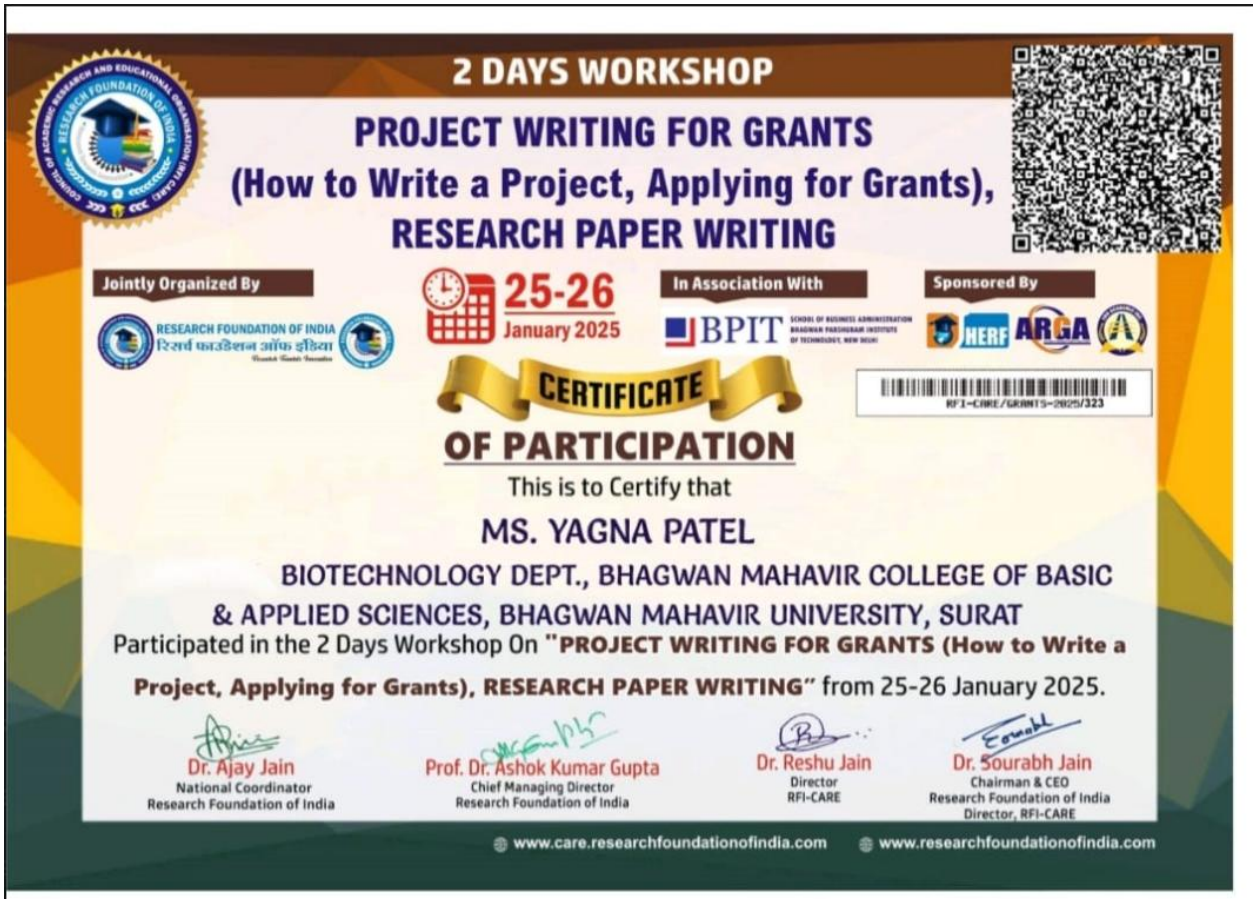
Scientific Reports | (2025) 15:18928 | https://doi.org/10.1038/s41598-025-04073-6 nature portfolio

ANNEXURE 04: Faculty Achievements



No.IITE/MMTTC/2425/2STP_APNS/620

MALAVIYA MISSION TEACHER TRAINING PROGRAMME

Indian Institute of Teacher Education

(A State Public University established by Government of Gujarat)

UGC-SPONSORED SHORT TERM PROGRAMME

Certificate of Participation

This is to certify that Dr./Mr./Ms. Dr. KRISHNA GOVINDBHAI SONI from Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University, Surat has successfully completed the 2nd Short Term Programme(STP) on "Advances in Physical and Nano Sciences" conducted from 06/01/2025 to 11/01/2025 in an online mode organized by UGC-MMTTC, Indian Institute of Teacher Education, Gandhinagar and has been awarded a Grade of A.

Dr. Dipika Patel
Programme Coordinator

Prof. Divya Sharma
MMTTC Director

Prof. R.C.Patel,
Hon'ble Vice-Chancellor

(i) Grade A+: 85% above (ii) Grade A: 70 % to less than or equal to 84 % (iii) Grade B: 60% to less than or equal to 69% (iv) Grade C: 50 % to less than or equal to 59% (v) Those participants who score less than 50 marks will not be given a certificate. Participants have to repeat the course at their own expenditure.

VISHWAKARMA UNIVERSITY
Maximising Human Potential
University Grants Commission (UGC) Approved State Private University

CERTIFICATE

OF PARTICIPATION

This is to certify that

Dr. Khushbu Chirag Patel

From **Bhagwan Mahavir College of Basic and Applied Sciences, Bhagwan Mahavir University, Surat.** has successfully participated in the **Faculty Development Programme** on **"Navigating Research Grants and Funding Opportunities"** organized by the **School of Pharmacy, Vishwakarma University, Pune,** from 27th Jan to 1st Feb 2025.

Dean and Convener
Prof. (Dr.) Sunitha Sampathi

Co-ordinator
Dr Sabeena Syed

Co-ordinator
Prof. Supriya Unavane

No.IITE/MMTTC/2425/3STP_ATRTBS/732

MALAVIYA MISSION TEACHER TRAINING PROGRAMME

Indian Institute of Teacher Education

(A State Public University established by Government of Gujarat)

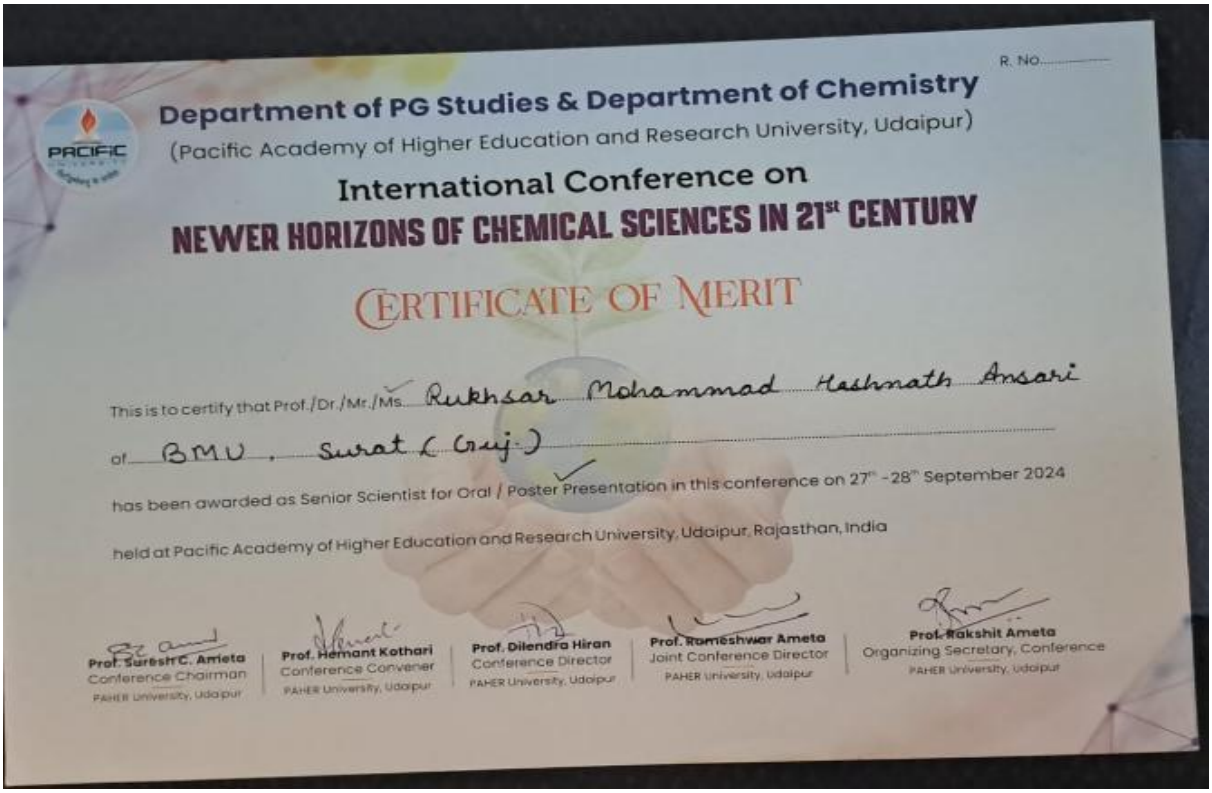
UGC-SPONSORED SHORT TERM PROGRAMME

Certificate of Participation

This is to certify that Dr./Mr./Ms. **Miss Bhumi Dineshbhai Sachapara, Assistant Professor** from **Bhagwan Mahavir College of Basic and Applied sciences** has successfully completed the **3rdShort Term Programme(STP) on "Advanced Tools and Resources for Teaching Biological Sciences"** conducted from **20/01/2025 to 25/01/2025** in an online mode organized by UGC-MMTTC, Indian Institute of Teacher Education, Gandhinagar and has been awarded a Grade of **A+**.

Dr. Mehul Dave	Prof. Divya Sharma	Prof. R.C.Patel,
Programme Coordinator	MMTTC Director	Hon'ble Vice-Chancellor

(i) Grade A+: 85% above (ii) Grade A: 70 % to less than or equal to 84 % (iii) Grade B: 60% to less than or equal to 69% (iv) Grade C: 50 % to less than or equal to 59% (v) Those participants who score less than 50 marks will not be given a certificate. Participants have to repeat the course at their own expenditure.



R. NO.

Department of PG Studies & Department of Chemistry

(Pacific Academy of Higher Education and Research University, Udaipur)

International Conference on

NEWER HORIZONS OF CHEMICAL SCIENCES IN 21st CENTURY

CERTIFICATE OF MERIT

This is to certify that Prof./Dr./Mr./Ms. Rukhsar Mohammad Hashnath Ansari

of BMU, Surat (Guj.)

has been awarded as Senior Scientist for Oral / Poster Presentation in this conference on 27th -28th September 2024

held at Pacific Academy of Higher Education and Research University, Udaipur, Rajasthan, India

Prof. Suresh C. Ameta	Prof. Hemant Kothari	Prof. Dilendra Hiran	Prof. Rameshwar Ameta	Prof. Rakshit Ameta
Conference Chairman	Conference Convener	Conference Director	Joint Conference Director	Organizing Secretary, Conference
PAHER University, Udaipur	PAHER University, Udaipur	PAHER University, Udaipur	PAHER University, Udaipur	PAHER University, Udaipur

Certificate No. : 20244188941224017620

GUJARAT STATE ELIGIBILITY TEST
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
(Accredited with Grade 'A+' by NAAC)

STATE ELIGIBILITY TEST FOR ASSISTANT PROFESSOR
(Accredited by UNIVERSITY GRANTS COMMISSION, NEW DELHI)
(Ref. : Govt. of Gujarat Resolution No. MIS - 1092 New Item - 10KH dt. 31st August, 1998)
(Valid in the State of Gujarat Only)

GSET Ref. No. : 20244188941224017620 8/GEN-EWS Roll No. : 418694

Certified that
Trupti J Pandya
Daughter of
Bhavna J Pandya(Mother) and
Jagdishbhai Pandya(Father)
has qualified the Gujarat State Eligibility Test for Assistant Professor held on 01st December 2024 in the Subject
Life Sciences

As per the information provided by the candidate, She had completed her Master's Degree or equivalent examination at the time of applying for GSET.

The date of Eligibility for Assistant Professor is the date of declaration of the GSET result, i.e., 11th January 2025,OR the date of completion of the Master's Degree or equivalent examination, with required percentage of marks within two years from the date of declaration of the GSET result, i.e., by 10th January 2027 whichever is later.

This is an electronic certificate only, its authenticity and category in which candidate had appeared should be verified from the GSET Agency by the institution / appointing authority. Electronic certificate can also be verified by scanning QR Bar Code printed on the electronic certificate.
Validity of this certificate is forever.

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Gujarat SET
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Date of Issue :28/02/2025

CHAIRMAN
Gujarat SET
The Maharaja Sayajirao University of Baroda

Note : Gujarat SET Agency, The Maharaja Sayajirao University of Baroda has issued the electronic certificate on the basis of the information provided by the candidate in his / her Application Form and his / her original records / certificates have not been verified. The appointing authority should verify the original records / certificates of the candidate while considering him / her for appointment, as Gujarat SET Agency is not responsible for the same. The Candidate must fulfil the minimum eligibility conditions for Gujarat SET as laid down in the notification of said Gujarat State Eligibility Test.

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ज्ञान-विज्ञान विमुक्तये
MALAVIYA MISSION TEACHER TRAINING CENTRE
[erstwhile UGC-HRDC]
THE UNIVERSITY OF BURDWAN
UGC-SPONSORED FACULTY INDUCTION PROGRAMME

Certificate of Participation

This is to certify that

Ms. Ansari Rukhsar Mohammad Hashnath, Assistant Professor, Bhagwan Mahavir College of Basic and Applied Sciences, Gujarat

affiliated to Bhagwan Mahavir University

participated in the

1st Faculty Induction Programme from 5th June 2025 to 5th July 2025 and obtained Grade A+

Certificate Number: MMTTC/BU/2025-26/FIP/C/0017

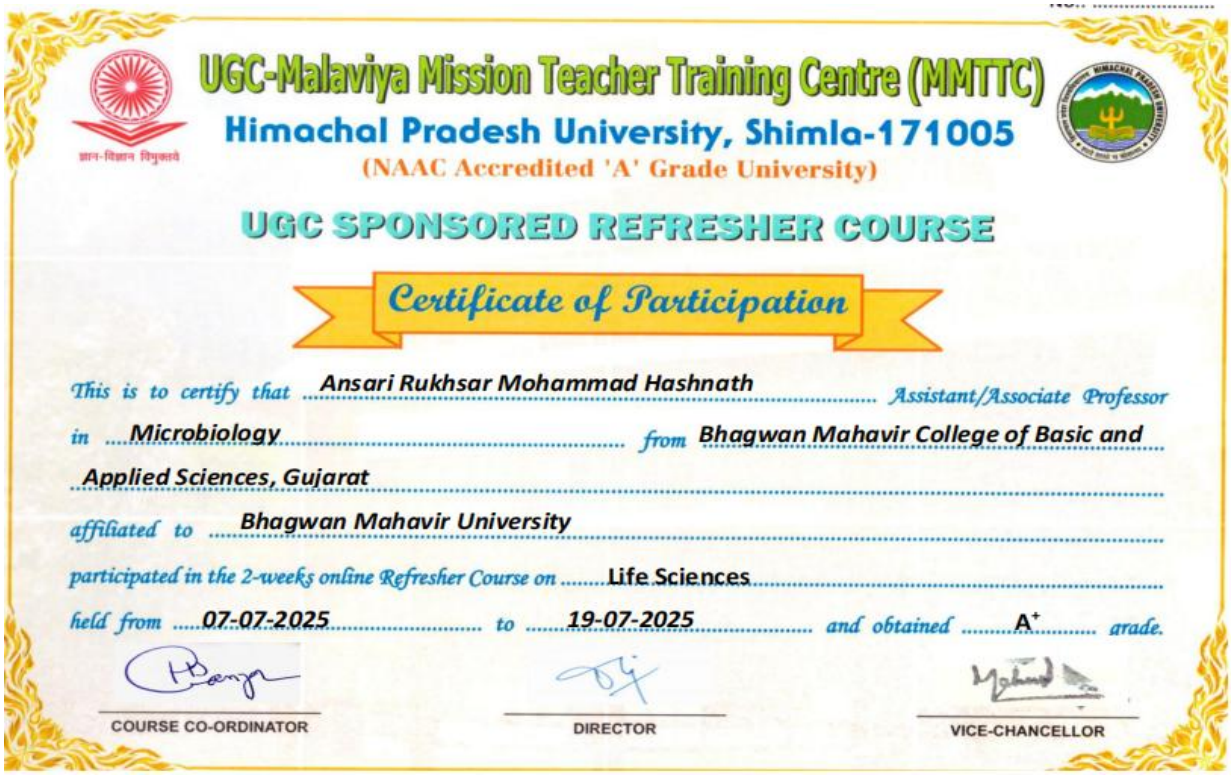
Place: Burdwan
Date: 05.07.2025

Director | Course Co-ordinators | Vice-Chancellor

Grade Point Norms:

Grade 'A+'	Grade 'A'	Grade 'B'	Grade 'C'
85% and above	70% to less than or equal to 84%	60% to less than or equal to 69%	50% to less than or equal to 59%

Those Participants who score less than 50 marks will not be given a certificate. Participants have to repeat the course at their own expenditure.



UGC-Malaviya Mission Teacher Training Centre (MMTTC)
Himachal Pradesh University, Shimla-171005
(NAAC Accredited 'A' Grade University)

UGC SPONSORED REFRESHER COURSE

Certificate of Participation

This is to certify that Ansari Rukhsar Mohammad Hashnath Assistant/Associate Professor in Microbiology from Bhagwan Mahavir College of Basic and Applied Sciences, Gujarat affiliated to Bhagwan Mahavir University participated in the 2-weeks online Refresher Course on Life Sciences held from 07-07-2025 to 19-07-2025 and obtained A+ grade.

COURSE CO-ORDINATOR | DIRECTOR | VICE-CHANCELLOR

No.IITE/MMTTC/2425/1STP_RTMSIA/357

MALAVIYA MISSION TEACHER TRAINING PROGRAMME

Indian Institute of Teacher Education
(A State Public University established by Government of Gujarat)

UGC-SPONSORED SHORT TERM PROGRAMME

Certificate of Participation

This is to certify that Miss Jyoti Rajkumar Kumawat from BMCBAS, Bhagwan Mahavir University has successfully completed the 1st Short Term Programme(STP) on "Recent Trends in Mathematical Science and Its Applications" conducted from Dt.23/12/2024 to 28/12/2024 in an online mode organized by UGC-MMTTC, Indian Institute of Teacher Education, Gandhinagar and has been awarded a Grade of A.

Dr. Kunjankumar Shah, Programme Coordinator | Prof. Divya Sharma, MMTTC Director | Prof. R.C.Patel, Hon'ble Vice-Chancellor

(i) Grade A+: 85% above (ii) Grade A: 70 % to less than or equal to 84 % (iii) Grade B: 60% to less than or equal to 69% (iv) Grade C: 50 % to less than or equal to 59% (v) Those participants who score less than 50 marks will not be given a certificate. Participants have to repeat the course at their own expenditure.

In Honor
of
Srinivasa Ramanujan's Birthday
INTERNATIONAL CONFERENCE
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HSCSIT-DST
on
MATHEMATICAL INNOVATIONS AND APPLICATIONS : MATHTECH-2024
17-18 January, 2025

Certificate

This is to certify that Ms.Jyoti Rajkumar Kumawat
of Department of Mathematics,Veer Narmad South Gujarat University

Has participated/ contributed as/ delivered talk/ chaired session/ presented a research paper entitled Analysing a mathematical model to understand competitive inhibitors in enzyme-substrate reactions.

Dated 17-01-2025

Organized by
Department of Mathematics
Chaudhary Bansi Lal University
(A State University established under Haryana Act No. 25 of 2014) (Recognized u/s 2(f) & 12B of the UGC Act, 1956)
Bhiwani -127021, Haryana, INDIA

ID MATHTECH-016

Dr. Vinod Kumar
Organizing Secretary

Prof. Dinesh K. Madan
Convener

ICRTM-2025
2ND International Conference on
Recent Trends in Mathematics

विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY

CERTIFICATE OF APPRECIATION

This is to certify that

Ms. Jyoti Rajkumar Kumawat

Veer Narmad South Gujarat University

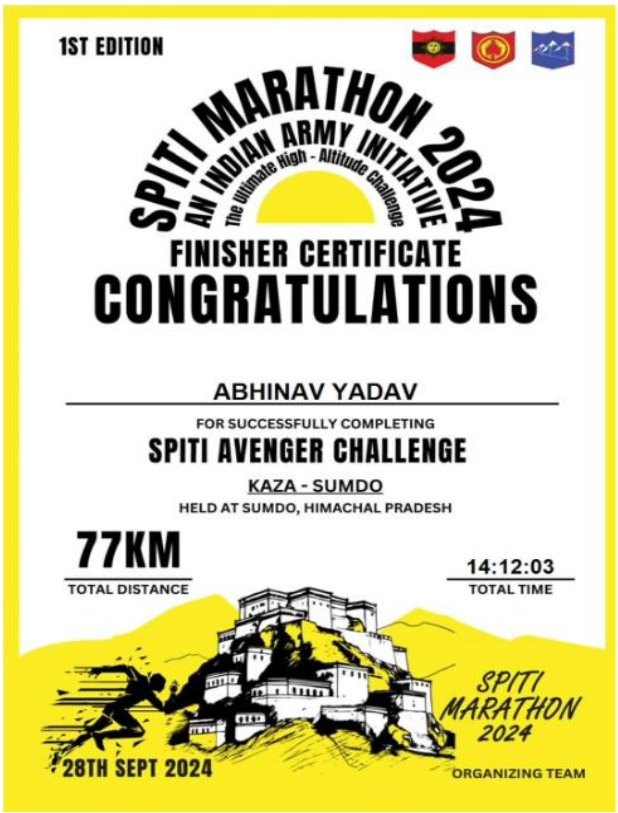
has participated and presented the paper titled

Observe the Time Actions onto Enzyme - Substrate Reaction under the influence of Non - Competitive inhibitors via Simulation.

in the international conference ICRTM-2025 organized by the Department of Mathematics, Hansraj College, University of Delhi from 07 - 08 February 2025 in Delhi, India.

Dr. M. M. Mishra	Prof. (Dr.) Arvind	Prof. (Dr.) Rama
COORDINATOR	CONVENOR	PRINCIPAL

ANNEXURE 05: Student Achievements



CAREER AIR FORCE
INDIAN AIR FORCE, Government of India

CALL UP LETTER

(Call Letter is valid only if accompanied with Original AFCAT Admit card)

Roll No.: 2024002100750	**Registration No:** 0224AA0003221
Applicant's Name: YADAV ABHINAV SALIKRAM	

Father's Name: SALIKRAM YADAV

Mother's Name: SUNITA YADAV

Date of Birth: 08-Oct-2003

Aadhaar No: 796373551999

Identification Mark 1: two small mole marks on right forearm inside

Present Address: 600 SUKHI NAGAR,BAMROLI ROAD, PANDESARA,SURAT,Chorasi,Surat,Gujarat,394221

AFSB Centre Name & Address

3 AFSB (Gandhinagar)Sector-25,GIDC Estate, Gandhinagar - 382024
Reporting Point:Sub Guard Room, 3 Air Force Selection Board, Sector-25, GIDC Estate, Gandhinagar-382024

Tel: 0792-9750823
Fax: 079-29750823
Email: diamond-03@gov.in
Date of Reporting: 17-Feb-2025
Time of Reporting: 05:30

(Candidates reporting late will not be accepted for testing.)

GENERAL INSTRUCTIONS
REPORTING AND TESTING AT AIR FORCE SELECTION BOARDS (AFSB)

1. **Reporting:** This Call Letter along with your Admit Card (Not applicable for NCC direct entry candidates) would be the authority for you to report to the nominated Air Force Selection Board (AFSB) for Testing. The same is to be handed over to the Board on arrival. You must report for the interview on the date,time and address as specified above. Late comers, on any account (inclusive of late running of trains/buses/airplane) will not be admitted for test.You would be required to show your Admit card (Not applicable for NCC direct entry candidates), Call letter and Identity proof **(preferably AADHAR Card updated with latest photograph)** at the reporting point. Kindly keep them handy. The first day consists of Phase I and II testing which lasts upto late evening hours. You are advised to take adequate rest and come prepared for a long day of testing. You would need to be attired appropriately in comfortable dress. **Don't wear tie pin, label pin, smart watch and any electronic gadgets.** Your mobile phone (switched-off) and electronic gadgets should be securely kept in your luggage, which will be deposited at the AFSB.

2. **Selection Procedure:** The testing schedule is in two phases and normally for a period of five to six days and will be as follows:-

CERTIFICATE

This is to certify that Shri/Ms. PAVAN PAREKH Volunteer of College of BHAGWAN MAHAVIR University has actively participated in the celebration of Gujarat State Natinal Service Scheme Day of the Year 2024-25, Organized by NSS Cell of Gujarat University, Ahmedabad and sponsored by State NSS Cell Department of higher Education, Government of Gujarat from 22nd to 24th September, 2024 at Gujarat University Ahmedabad.

He/She has won the 2nd Prize in the ONE CHARACTERFUL PERFORMANCE Competition

Dr. Natubhai Verma
Programme Coordinator, NSS
Gujarat University
Ahmedabad

Dr. Kamal Kumar Kar
Regional Director
Regional Directorate of NSS
Government of India

Dr. D.R. Darji
State NSS Officer
State NSS cell
CHE, Gandhinagar