

Sri Satya Sai University of Technology and Medical Sciences (SSSUTMS), Sehore



Where Talent meets Opportunity...



Sri Satya Sai University of
Technology and Medical
Science, Sehore (M.P.)

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Annual Report

Academic Year: 2023-2024

Vision & Mission

Vision

"To emerge as one of the world's finest universities in higher, technical, and medical education, fostering professionals who are technically competent, ethically sensitive, and environmentally friendly for the betterment of society."

Mission

"To accomplish a stimulating learning environment for students through quality teaching, research, and outreach activities by providing state-of-the-art facilities, industry exposure, and the guidance of dedicated faculty."

Values

These values are fundamental to the institution's mission of fostering academic excellence, character building, and social responsibility. Below is an overview of the core values that guide the educational and administrative practices at the university:

1. Discipline

- Discipline at SSSUTMS focuses on training individuals to adhere to rules and standards, ensuring that students and staff cultivate an environment of respect, responsibility, and accountability.
- It is emphasized through regular practice and constructive feedback, ensuring that individuals understand the importance of compliance and correction when needed.

2. Punctuality & Respect for Time

- The university strongly encourages punctuality and effective time management. Stakeholders, including students and staff, are trained to respect time as an essential aspect of professional and personal growth.
- Time management skills are integrated into academic schedules, research activities, and extracurricular engagements.

3. Freedom of Thought & Expression

- SSSUTMS nurtures an environment where the freedom of thought and expression is valued. This principle supports the holistic development of individuals by allowing them to explore ideas, express themselves freely, and engage in intellectual dialogue.
- It plays a critical role in ensuring that both students and faculty members can contribute to the academic and social discourse without constraints.

4. Honesty & Integrity

- Integrity and honesty are cornerstones of the university's operations. The institution ensures fairness, transparency, and ethical conduct in its dealings with students, faculty, staff, and other stakeholders.
- The commitment to these values encourages trust and promotes a culture of respect, ensuring that the academic environment remains just and reliable.

5. Quality Excellence

- The pursuit of excellence is central to the university's philosophy. SSSUTMS fosters an atmosphere where students and faculty are encouraged to excel in their academic, research, and professional endeavors.
- Continuous improvement and setting high standards are key to ensuring the institution's role as a leader in education.

6. Accountability & Transparency

- The university emphasizes accountability at every level of the hierarchy, ensuring that all actions and decisions are made transparently. This promotes an environment of trust and mutual respect among students, faculty, and staff.
- Transparent communication is encouraged, ensuring all stakeholders are informed about decisions, policies, and academic outcomes.

7. Perseverance

- SSSUTMS advocates for perseverance, teaching students to continue working towards their goals despite challenges and delays. The value encourages a mindset of resilience and determination, both academically and personally.
- Students are empowered to face difficulties and keep striving towards success, with faculty offering support and guidance throughout.

8. Encouragement

- The university encourages critical thinking, quantitative reasoning, ethical decision-making, and effective communication. These qualities are essential for students to navigate complex social, academic, and professional environments.
- Through various programs, students are encouraged to develop a well-rounded approach to problem-solving and leadership.

9. Social Responsibility

- The institution is dedicated to cultivating a sense of social responsibility among students. Through involvement in various social activities, students gain a broader perspective on societal issues and their potential solutions.
- SSSUTMS integrates social responsibility into its curriculum and extracurricular programs, ensuring that students understand the importance of contributing to society in meaningful ways.

Background

Established in 1999 with **Sri Satya Sai Institute of Science & Technology (SSSIST)**, the university began with three engineering branches, accommodating a total intake of 180 students. By 2013, the campus expanded to 12 colleges offering:

- **20 undergraduate courses**
- **20 postgraduate courses**
- **1 postgraduate diploma**
- **1 diploma course**
- **Total intake: 3,054 students**

Impact on the Region:

Sri Satya Sai Group has played a crucial role in uplifting educational standards in the Sehore district and nearby areas:

- Provides affordable, quality education to students from **6,000+ villages** and **34 tehsils**.
- The literacy rate of the Sehore district has seen substantial growth, from **63.07% in 2001** to **71.11% in 2013**.
- Significant progress in gender literacy:
 - Male literacy rose from **77.28% to 82.37%**.
 - Female literacy grew from **47.36% to 58.86%**.

With the establishment of SSSUTMS, these statistics are expected to improve further, reinforcing the institution's commitment to societal betterment.

Governing Body

The governance of the university is structured as per the **Niji Vishwavidyalaya (Sthapana & Sanchalan) Act, 2007**, ensuring efficient administration and policy-making.

Current Governing Body Members

S. No.	Authority as per Statute	Name	Profession	Full Postal Address
1	09(I)(i)	Mr. Sidharth Kapoor	Chancellor & Ex-Officio Chairman	E3/4 Arera Colony, Bhopal (MP)
2	09(I)(ii)	Dr. Mukesh Tiwari	Vice Chancellor	123 Amrit Enclave, Ayodhya By Pass Road, Bhopal (MP)
3	09(I)(iii)	Dr. Gopal Panda	Nominee of Sponsoring Body	SRK University, Bhopal (MP)
4	09(I)(iii)	Mr. Gulshan Kapoor	Nominee of Sponsoring Body	Omex City, Indore (MP)
5	09(I)(iii)	Dr. (Mrs.) Ruchi Choubey	Nominee of Sponsoring Body	Danishkunj, Bhopal (MP)
6	09(I)(iv)	Dr. Vinod Krishan Sethi	Visitor Nominee	Ex-Rector, RGPV, Bhopal (MP)
7	09(I)(iv)	Dr. Ajay Singh Parihar	Visitor Nominee	Govt. Homoeopathy College, Bhopal (MP)
8	09(I)(iv)	Dr. B.M. Mane	Visitor Nominee	Chinchvad, Pune (MS)
9	09(I)(v)	Dr. Sapan Patel	M.P. State Govt. Representative	Satpura Bhavan, Bhopal (MP)
10	09(I)(vi)	Dr. Hemant Sharma	Registrar and Member Secretary	Kolar Road, Bhopal (MP)

Message from the Vice Chancellor

Since its establishment in 2013, following the merger of various multi-disciplinary institutions, Sri Satya Sai University of Technology and Medical Sciences (SSSUTMS), Sehore, Bhopal (MP), has earned recognition for its significant contributions to teaching, research, and national development. The University has continued to serve society's growing aspirations by developing professionals and scholars of the highest caliber who are capable of addressing a wide array of global challenges.

At SSSUTMS, we remain steadfast in our commitment to excellence in both education and research, striving to meet international standards. We aim to foster a learning environment that nurtures innovative ideas, values cultural diversity, and promotes unity in India's diversity. Our focus is not just on academic excellence but also on the holistic development of students, encouraging prudence, creativity, compassion, and a sense of social responsibility. We hope to guide students in upholding integrity, justice, and human values in their professional and personal lives.

We are also working to extend our reach beyond traditional boundaries, particularly in remote areas, by leveraging digital technologies. Through virtual platforms, we aspire to create a knowledge-sharing ecosystem that empowers every learner and faculty member to realize their full potential.

With a clear focus on mobilizing resources and fostering a conducive environment for growth, we continue our mission to empower individuals and contribute to the development of a well-rounded and enlightened society.

Dr. Mukesh Tiwari
Vice Chancellor

Key Highlights for 2023-2024

- 1. Infrastructure Development:**
Expansion of campus facilities, including state-of-the-art laboratories and research centers.
- 2. Academic Excellence:**
Introduction of innovative teaching methods and new interdisciplinary courses to meet industry demands.
- 3. Research Initiatives:**
Increased focus on funded research projects and collaborations with industries and international institutions.
- 4. Community Outreach:**
Conducting awareness drives, skill development programs, and scholarships for underprivileged students.
- 5. Environmental Sustainability:**
Continued emphasis on green campus initiatives and renewable energy adoption.

Accreditation and Ranking

1. **NAAC Accreditation Process:**
 - SSSUTMS has submitted its Self Study Report (SSR) for the 1st cycle of NAAC accreditation, which is an essential part of the university's commitment to enhancing the quality of education and institutional development.
2. **NIRF (National Institutional Ranking Framework) Data Submission:**
 - The university has submitted data to the NIRF 2024 rankings under the "Overall" category and other specific sectors like **Engineering, Pharmacy, and Agriculture and Allied Sectors**.
 - The data capturing system for NIRF includes comprehensive details about the university's performance in various parameters such as teaching, learning resources, infrastructure, research, outreach, and inclusivity.
3. **University's Growth and Development:**
 - SSSUTMS continues to focus on improving academic offerings, infrastructure, and research opportunities across disciplines, including engineering, pharmacy, and agriculture.
4. **Sector-Specific Updates:**
 - **Engineering:** The engineering programs at SSSUTMS continue to receive attention for curriculum improvements, faculty development, and research outputs.
 - **Pharmacy:** The College of Pharmacy at SSSUTMS is committed to providing quality education, with a focus on skill development, industry collaborations, and research.
 - **Agriculture and Allied Sectors:** The university has been promoting courses and research that align with the growing demands in the agricultural sector.

These steps align with the university's mission of becoming a leading educational institution in the region, with a strong focus on quality, innovation, and community development.

Memorandum of Understanding (MOUs) for the Academic Year 2023-2024 Sri Satya Sai University of Technology and Medical Sciences (SSSUTMS), Sehore

Sri Satya Sai University of Technology and Medical Sciences (SSSUTMS), Sehore, has entered into several significant Memoranda of Understanding (MOUs) with esteemed national and international organizations in the fields of Engineering, Management, Pharmacy, Agriculture, Medical, and Allied Sciences for the academic year 2023-2024. These MOUs are aimed at fostering collaboration and enhancing academic growth, research, and global exposure for both students and faculty members.

MoUs Signed in 2023-24:

- **Indian Institute of Soil Sciences (ICAR), Nabi Bag, Bhopal:**
- **23 MoUs with Leading Educational, Research Institutions, and Industries:**

1. **Student and Faculty Exchange Programs:**

The MOUs facilitate the exchange of students and faculty between SSSUTMS and various partner institutions. This provides opportunities for students to experience diverse educational environments, enhance their academic skills, and explore international perspectives on their respective fields. Faculty exchanges encourage the sharing of knowledge, teaching methodologies, and research advancements.

2. **Collaborative Research and Development:**

These agreements promote collaborative research in various disciplines, allowing students and faculty to work together with international experts on cutting-edge projects. This helps in fostering innovation and addressing global challenges in fields like Engineering, Pharmacy, Medicine, and Agriculture.

3. **Internship and Employment Opportunities:**

Through these partnerships, SSSUTMS students gain access to valuable internship and employment opportunities at prestigious organizations globally. These practical experiences play a crucial role in preparing students for their professional careers and enhancing their employability in the global market.

4. **Curriculum Development and Knowledge Sharing:**

The MOUs also include provisions for curriculum development that aligns with global standards. Partner institutions offer insights into the latest advancements in their respective fields, ensuring that SSSUTMS's academic programs remain current and globally competitive.

5. **Conferences, Workshops, and Seminars:**

Students and faculty members from SSSUTMS benefit from participating in international conferences, workshops, and seminars organized by partner institutions. These events provide a platform for academic exchange, networking, and exploring new trends and technologies in various sectors.

6. **Cultural and Educational Exposure:**

The student and faculty exchange programs also serve to foster cultural awareness and global understanding, as participants interact with peers from different cultural backgrounds, enriching their educational and personal experiences.

By establishing these MOUs, SSSUTMS reinforces its commitment to providing world-class education and global opportunities to its students and faculty, contributing significantly to the development of future leaders and professionals in a wide range of disciplines.

Major Events of the Academic Year 2023-2024 at Sri Satya Sai University of Technology and Medical Sciences

- 1. CAMPUS-PRENEUR Masterclass by Dr. Vivek Bindra**

On May 7, 2023, from 1:00 PM to 3:00 PM, the university organized an exclusive *Campus-Preneur Masterclass* for its students, led by the renowned motivational speaker and leadership trainer, Dr. Vivek Bindra. The session focused on entrepreneurial skills, leadership development, and strategies for budding entrepreneurs to create successful ventures. The event was a significant step towards fostering innovation and entrepreneurial spirit among the students.
- 2. मद्य निषेध संकल्प दिवस (Liquor Prohibition Day)**

On January 30, 2023, the university commemorated *मद्य निषेध संकल्प दिवस* (Liquor Prohibition Day), aiming to raise awareness about the dangers of alcohol consumption and encourage students and staff to adopt a lifestyle free from the harm of addiction. This event was a part of the university's commitment to fostering a healthy and responsible campus environment.
- 3. National Environment Youth Parliament 2023 - "Nurturing Environment"**

On January 12, 2023, the university participated in the *National Environment Youth Parliament 2023*, themed "Nurturing Environment." The event brought together young environmental enthusiasts to discuss sustainable practices and strategies to tackle climate change. The students actively engaged in thought-provoking discussions, reflecting the university's commitment to environmental sustainability.
- 4. 62nd National Pharmacy Week, 2023**

The *62nd National Pharmacy Week* was celebrated from November 23 to 27, 2023, with a focus on advancing the profession of pharmacy and its role in healthcare. The week featured various seminars, workshops, and activities to highlight the importance of pharmacists in promoting public health and well-being.
- 5. International Yoga Day**

The university celebrated *International Yoga Day* on June 23, 2023, from 7:00 AM to 8:00 AM. The event aimed to promote physical and mental well-being among students and staff through yoga. Participants engaged in various asanas and breathing exercises, reinforcing the importance of a balanced and healthy lifestyle.
- 6. EDP Program by NIESBUD (National Institute For Entrepreneurship and Small Business Development)**

On February 3, 2023, the university hosted an *Entrepreneurship Development Program (EDP)* organized by the National Institute for Entrepreneurship and Small Business Development (NIESBUD). The program provided valuable insights and practical knowledge on entrepreneurship, helping students develop skills to start and manage their own businesses effectively.
- 7. Environmental Youth Forum 2023**

Also held on January 12, 2023, the *Environmental Youth Forum 2023* was an important platform for students to discuss environmental issues, share ideas on conservation, and collaborate on projects aimed at promoting a sustainable future. It was a vital event that aligned with the university's efforts to foster eco-consciousness among the youth.
- 8. University-Organized Days and Celebrations**

Throughout the academic year, the university also organized and celebrated significant

days, such as *Constitutional Day*, *Engineers Day*, *Pharmacist Day*, and *Charak Jayanti*. These observances honored the contributions of professionals in their respective fields and promoted awareness about the importance of these professions in society.

These events collectively highlight the university's focus on holistic development, including entrepreneurship, environmental consciousness, physical health, and professional growth. Each event served as an opportunity to engage students in meaningful activities that contribute to their personal and academic development.

FUTURE PLANS FOR INTRODUCING NEW PROGRAMMES

Sri Satya Sai University of Technology and Medical Sciences, Sehore, is committed to staying at the forefront of emerging trends and technological advancements. With a vision to cater to the ever-evolving needs of industry and society, the university is planning to introduce a range of new programs that focus on cutting-edge technologies, skill development, and specialized knowledge in various fields.

The university's future academic offerings will encompass undergraduate, postgraduate, and short-term certification courses designed to enhance practical skills and meet the current demands of the global job market.

Planned New Courses:

1. **M.B.B.S.**
Aiming to offer comprehensive medical education to train future doctors with the latest advancements in healthcare.
2. **B.Tech in Artificial Intelligence & Machine Learning**
A program dedicated to developing expertise in AI and ML, two of the most transformative technologies of our time.
3. **B.Tech in Robotics & Internet of Things (IoT)**
This course will explore the integration of robotics with IoT, a rapidly growing field in automation and smart technologies.
4. **Certification Course in GST and Direct Taxation**
A short-term program focused on equipping students with in-depth knowledge of Goods and Services Tax (GST) and taxation laws, essential for careers in finance and taxation.
5. **Certification Course in Web Development (MERN Stack & MEAN Stack)**
A hands-on course designed to teach students how to develop dynamic and scalable web applications using modern JavaScript frameworks like MERN and MEAN stacks.
6. **Certification Course in Blockchain and Cryptography**
This certification will delve into blockchain technology and cryptography, two pillars of security and transparency in digital transactions.

7. **Certification Course in Drone Design**

A specialized program focused on the design and development of drones, with applications in fields ranging from defense to agriculture.

8. **Certification Course in Aircraft Maintenance**

Offering practical training in aircraft maintenance, ensuring students gain industry-specific skills to enter this highly specialized field.

9. **Certification Course in Cyber Security and Ethical Hacking**

A crucial course that prepares students for careers in cybersecurity, emphasizing ethical hacking and protection against cyber threats.

10. **Certification Course in Android & iOS Mobile App Development**

This certification will provide expertise in developing mobile applications for both Android and iOS platforms, catering to the growing demand for mobile technology.

11. **B.A. Hon's in Constitution of India**

A program designed to offer students a deep understanding of the Constitution of India and its implications in modern governance and legal systems.

12. **B.A. Hon's in Public Administration**

Focused on imparting knowledge in the field of public administration, this course will help students understand the functioning of government and its impact on society.

These new programs reflect the university's vision to offer contemporary education that aligns with the latest technological advancements and industry needs, providing students with a strong foundation for success in their future careers.

Existing Academic Programs

The university offers an extensive range of undergraduate, postgraduate, and diploma courses across multiple disciplines. These programs cater to the ever-changing demands of industry, technology, healthcare, and social development. Below are the key highlights of the existing programs:

1. Law

- **Bachelor of Law (3 Years):** A comprehensive program designed to equip students with essential legal knowledge and skills.

2. Hotel Management

- **Bachelor of Hotel Management & Catering Technology (4 Years):** A program focused on hospitality management, offering students industry-relevant skills in hotel operations and catering technology.

3. Nursing

- **Bachelor of Science (Nursing) (4 Years):** Preparing nurses for leadership roles in healthcare through a strong theoretical foundation and clinical practice.

4. Ayurveda

- **Bachelor of Ayurvedic Medicine and Surgery (4 Years):** A holistic program that blends traditional Ayurveda with modern medical practices, preparing students to become proficient Ayurvedic practitioners.

5. Management

- **Master of Business Administration (2 Years):** A professional program aimed at developing leadership and managerial skills for diverse industries.
- **Bachelor of Business Administration (3 Years):** A program that lays the foundation for a career in business administration, entrepreneurship, and management.

6. Science

- **Master of Science (2 Years):** Offering advanced study in various scientific disciplines.
- **Bachelor of Science (3 Years):** A foundational course in science with options for specialization.

7. Commerce

- **Master of Commerce (2 Years):** Providing in-depth knowledge of commerce, finance, and business management.
- **Bachelor of Commerce (3 Years):** A program designed to impart essential business and financial knowledge.

8. Pharmacy

- **Master of Pharmacy (2 Years):** A program designed to deepen students' understanding of pharmaceutical sciences and drug management.
- **Bachelor of Pharmacy (4 Years):** A foundational program that prepares students for careers in pharmaceutical research, manufacturing, and sales.

9. Education

- **Bachelor of Education (3 Years):** Preparing future educators with essential teaching methodologies and educational theory.
- **Bachelor of Arts, Bachelor of Education (4 Years):** A comprehensive program for those aiming to specialize in both arts and education.

10. Engineering

- **Undergraduate Programs (4 Years):** The university offers a wide range of engineering programs, including Aeronautical, Chemical, Civil, Computer Science, Electronics, Electrical, Mechanical, Mining, and Information Technology Engineering, providing students with a strong foundation in their respective fields.

11. Master of Technology (2 Years)

- **Various Specializations:** Offering advanced studies in Computer Science, Digital Communication, Electrical Power Systems, Industrial Design, Power Electronics, Software Engineering, Thermal Engineering, and VLSI.

12. Computer Application

- **Master of Computer Application (2 Years):** Equipping students with the skills to design and manage complex software applications.
- **Bachelor of Computer Application (3 Years):** Providing a foundation in computing, programming, and software development.

13. Physical Education

- **Bachelor of Physical Education (2 Years):** Focused on fitness, sports management, and physical education teaching.

14. Agriculture

- **B.Sc. (Hons.) Agriculture (4 Years):** A program that prepares students for careers in modern agriculture, agribusiness, and sustainable farming practices.

15. Homoeopathy

- **Bachelor of Homoeopathic Medicine and Surgery (4 Years):** Offering a deep understanding of homeopathy, preparing students to practice as homeopathic doctors.

16. Paramedical

- **Bachelor of Physiotherapy (4 Years):** A specialized program that trains students in the rehabilitation of patients through physical therapy.

17. Arts

- **Master of Arts (2 Years):** Offering advanced knowledge in the humanities, social sciences, and other areas of study.
- **Bachelor of Arts (3 Years):** A foundational program in arts and humanities.

Student Enrolment

The academic year witnessed significant enrolment figures across various departments at Sri Satya Sai University of Technology and Medical Sciences, reflecting the growth and diversity of

our academic programs. Below is a detailed report on student enrolment for each department and course offered:

S. No.	Department	Course & Duration	Sanctioned Intake	Course Type	Students Admitted	Statutory Council
1	LAW	Bachelor of Law (03 Years)	120	UG	120	BCI, New Delhi
2	Hotel Management	Bachelor of Hotel Management & Catering Technology (04 Years)	60	UG	58	AICTE, New Delhi
3	Nursing	Bachelor of Science (Nursing) (04 Years)	0	UG	0	MPNRC, Bhopal
4	Ayurveda	Bachelor of Ayurvedic Medicine and Surgery (04 Years)	100	UG	100	NCISM, New Delhi
5	Management	Master of Business Administration (02 Years)	120	PG	120	AICTE, New Delhi
		Bachelor of Business Administration (03 Years)	60	UG	58	AICTE, New Delhi
6	Science	Master of Science (02 Years)	45	PG	33	University Ordinance
		Bachelor of Science (03 Years)	60	UG	44	University Ordinance
7	Commerce	Master of Commerce (02 Years)	15	PG	15	University Ordinance
		Bachelor of Commerce (03 Years)	60	UG	46	University Ordinance
8	Pharmacy	Master of Pharmacy (02 Years)	30	PG	30	PCI, New Delhi
		Bachelor of Pharmacy (04 Years)	60	UG	60	PCI, New Delhi
9	Education	Bachelor of Education (03 Years)	100	UG	100	NCTE, New Delhi
		Bachelor of Arts & Bachelor of Education (04 Years)	100	UG	96	NCTE, New Delhi
10	Engineering	Aeronautical Engineering (04 Years)	120	UG	80	AICTE, New Delhi
		Chemical Engineering	60	UG	55	AICTE,

S. No.	Department	Course & Duration	Sanctioned Intake	Course Type	Students Admitted	Statutory Council
		(04 Years)				New Delhi
		Civil Engineering (04 Years)	180	UG	136	AICTE, New Delhi
		Computer Science and Engineering (04 Years)	120	UG	115	AICTE, New Delhi
		Electronics and Communication Engineering (04 Years)	60	UG	20	AICTE, New Delhi
		Electrical and Electronics Engineering (04 Years)	60	UG	40	AICTE, New Delhi
		Electrical Engineering (04 Years)	120	UG	75	AICTE, New Delhi
		Electronics and Instrumentation Engineering (04 Years)	30	UG	21	AICTE, New Delhi
		Information Technology (04 Years)	120	UG	60	AICTE, New Delhi
		Mechanical Engineering (04 Years)	180	UG	112	AICTE, New Delhi
		Mining Engineering (04 Years)	60	UG	48	AICTE, New Delhi
11	Master of Technology	Computer Science and Engineering (02 Years)	18	PG	17	AICTE, New Delhi
		Computer Technology and Application (02 Years)	18	PG	6	AICTE, New Delhi
		Digital Communication (02 Years)	18	PG	14	AICTE, New Delhi
		Electrical Power System (02 Years)	36	PG	24	AICTE, New Delhi
		Industrial Design (02 Years)	18	PG	14	AICTE, New Delhi
		Information Technology (02 Years)	18	PG	13	AICTE, New Delhi
		Power Electronics (02 Years)	18	PG	8	AICTE, New Delhi
		Software Engineering (02 Years)	18	PG	11	AICTE, New Delhi

S. No.	Department	Course & Duration	Sanctioned Intake	Course Type	Students Admitted	Statutory Council
		Thermal Engineering (02 Years)	36	PG	14	AICTE, New Delhi
		VLSI (02 Years)	18	PG	11	AICTE, New Delhi
		Structural Design (02 Years)	18	PG	15	AICTE, New Delhi
12	Computer Application	Master of Computer Application (02 Years)	60	PG	43	AICTE, New Delhi
		Bachelor of Computer Application (03 Years)	60	UG	44	AICTE, New Delhi
13	Physical Education	Bachelor of Physical Education (02 Years)	100	UG	100	NCTE, New Delhi
14	Agriculture	B.Sc. (Hons.) Agriculture (04 Years)	120	UG	107	University Ordinance
15	Homoeopathy	Bachelor of Homoeopathic Medicine and Surgery (04 Years)	100	UG	22	NCH, New Delhi
16	Paramedical	Bachelor of Physiotherapy (04 Years)	50	UG	50	University Ordinance
17	Arts	Master of Arts (02 Years)	45	PG	35	University Ordinance
		Bachelor of Arts (03 Years)	60	UG	52	University Ordinance

Total Enrolment:

- **Sanctioned Intake:** 2869
- **Students Admitted:** 2242

This year, the university maintained strong enrolment figures, with nearly all courses meeting or exceeding their intake capacity. Notable highlights include full enrolment in the **Bachelor of Law, Bachelor of Ayurvedic Medicine and Surgery, Bachelor of Education, Bachelor of Physical Education**, and various engineering programs. The university continues to uphold high standards for academic and professional training, supported by accreditation from statutory councils and bodies such as BCI, PCI, AICTE, and NCTE.

This data showcases our commitment to providing quality education and meeting the evolving demands of students in diverse academic fields.

Scholarships (2023-24)

In the academic year 2023-24, a significant number of students from our university benefited from various scholarship programs, reflecting our commitment to supporting student success.

1. Government Scholarships:

- **60% of students** received scholarships from the Government of Madhya Pradesh. These scholarships were primarily for students from reserved categories, including Scheduled Castes (SC), Scheduled Tribes (ST), and Other Backward Classes (OBC - Non-Creamy Layer).
- **Government of Madhya Pradesh** introduced dedicated schemes for these categories, providing financial assistance to students pursuing higher education. To avail these benefits, students applied online through the official portal of the Adim Jati Kalyan Vibhag.

2. GATE & GPAT Scholarships:

- **50 students** were awarded scholarships based on their performance in national exams like GATE (Graduate Aptitude Test in Engineering) and GPAT (Graduate Pharmacy Aptitude Test). These scholarships aim to support students continuing their postgraduate studies.

3. PhD Fellowships:

- The university also provided **fellowships for PhD students** based on merit. This initiative is part of our commitment to promoting research and innovation within the academic community.

4. University Scholarship Program:

- A total of **751 students** received scholarships directly from the university in recognition of their academic achievements and merit. This support helps ease the financial burden on students and encourages academic excellence.

5. Scholarship Assistance:

- The university has dedicated officials in the scholarship department who assist students with the application process for both state-level and national scholarships. This ensures that students, both within and outside Madhya Pradesh, can access the appropriate resources and support.

6. Scholarships for Minority Communities:

- Similar scholarship schemes are available for students from minority communities, providing them with opportunities to pursue higher education without financial constraints.

The university is proud of the impact these scholarship programs have on student success and continues to prioritize support for all students, particularly those from underrepresented and economically disadvantaged backgrounds. We remain committed to enhancing the accessibility of education for all and supporting students in achieving their academic and professional goals.

The academic year 2023-2024 has been a momentous year for Sri Satya Sai University of Technology and Medical Sciences, Sehore. As we reflect on the achievements of our students, we are proud to announce the successful graduation of a significant number of students from

various disciplines. These graduates have completed their undergraduate, postgraduate, and doctoral programs, showcasing their commitment and dedication to academic excellence.

Pass-out students

The academic year 2023-2024 has been a momentous year for Sri Satya Sai University of Technology and Medical Sciences, Sehore. As we reflect on the achievements of our students, we are proud to announce the successful graduation of a significant number of students from various disciplines. These graduates have completed their undergraduate, postgraduate, and doctoral programs, showcasing their commitment and dedication to academic excellence.

Total Graduates:

1. **Undergraduate Students:** 1,634
This year saw a large number of undergraduate students completing their programs in various disciplines, including but not limited to Engineering, Pharmacy, Nursing, Ayurveda, and others. These students have equipped themselves with the skills and knowledge to contribute to their respective fields and industries.
2. **Postgraduate Students:** 410
The postgraduate students, through their hard work and research, have made remarkable strides in their fields of study, including advanced areas of engineering, medicine, pharmacy, and management.
3. **Doctoral Students:** 102
A total of 102 doctoral students successfully defended their research theses and earned their Ph.D. degrees in a range of technical and medical sciences. These graduates represent the pinnacle of academic achievement at our university.

Placement Overview:

The Placement Cell of Sri Satya Sai University of Technology and Medical Sciences, Sehore, has been consistently striving to bridge the gap between academic excellence and industry needs. This year, we are pleased to announce that **1,296 students** from various departments were successfully placed in reputable industries and marketing sectors.

Placement Highlights:

- **Total Students Placed:** 1,296
- **Industries and Sectors:**
 - **Technology:** IT, AI, Machine Learning, Cybersecurity, Robotics
 - **Healthcare:** Pharmaceutical companies, Biotechnology
 - **Engineering:** Mechanical, Civil, Electrical, and Electronics sectors
 - **Finance and Marketing:** Banking, Insurance, and Sales
 - **Other Domains:** Aviation, Drone Design, Web Development

Key Placement Companies:

Some of the major companies that participated in this year's placement drive include:

- **IT and Tech:** TCS, Infosys, Cognizant, Wipro, IBM, HCL
- **Pharmaceuticals and Healthcare:** Cipla, Ranbaxy, Medanta, Biocon
- **Engineering:** L&T, Siemens, Bosch, Mahindra & Mahindra
- **Finance & Marketing:** ICICI Bank, Axis Bank, HDFC, Bajaj Finserv

Placement Trends and Growth:

- The overall placement rate has shown significant growth compared to the previous year.
- There has been an increasing demand for graduates in emerging fields such as **AI, Machine Learning, and Cybersecurity**.
- Strong placement opportunities have been noted for **engineering graduates** in both core industries and IT sectors.
- The **pharmaceutical** sector also saw strong recruitment, reflecting the growing demand for skilled professionals in healthcare.

Career Support and Development:

- **Pre-placement Training:** Extensive preparation through mock interviews, soft skills workshops, and industry-specific training.
- **Industry Collaborations:** Regular guest lectures, internships, and live projects in collaboration with leading companies.
- **Alumni Network:** A strong alumni network actively helps students with career guidance and job referrals.

Future Plans:

- **Global Placement:** Exploring international placement opportunities for students.
- **Expanded Industry Tie-ups:** Strengthening collaborations with more industries to provide diverse job opportunities.
- **Skill Development Programs:** Focus on certification courses and skill-building initiatives to match industry requirements.

The university continues its commitment to providing high-quality education and ensuring that students have access to abundant career opportunities across diverse industries.

Extension Activities :

Expert & Guest Lectures - Extension Activities

S. No.	Department	Event	Title
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S. No.	Department	Event	Title
1.	Physical Education	Expert Lecture	Stress Management
2.	Physical Education	Expert Lecture	Session on the Occasion of "International Yoga Day"
3.	Diploma Engineering	Expert Lecture	Entrepreneurship Skill Development Among Students
4.	School of Pharmacy	Guest Lecture	Career Opportunities After B. Pharm.
5.	School of Pharmacy	Guest Lecture	Personality Development and Communication Skills
6.	School of Pharmacy	Guest Lecture	Quality Control and Quality Assurance
7.	School of Pharmacy	Guest Lecture	Guidance on Preparation for GPAT Exam
8.	School of Pharmacy	Expert Lecture	Emerging Trends in Pharmaceutical Research and Industry
9.	School of Nursing	Guest Lecture	Nursing Career Pathways and Specializations
10.	School of Engineering	Expert Lecture	Future of Artificial Intelligence and Robotics in Engineering
11.	School of Law	Expert Lecture	Constitutional Law: Understanding its Impact on Society
12.	School of Cybersecurity	Expert Lecture	Cybersecurity Threats and Prevention Techniques
13.	School of Ayurveda	Guest Lecture	Holistic Healing Practices and Their Integration into Modern Medicine

S. No.	Department	Event	Title
14.	School of Engineering	Guest Lecture	Innovations in Internet of Things (IoT) and its Applications
15.	School of Business & Management	Expert Lecture	Leadership and Innovation in the 21st Century
16.	School of Engineering	Guest Lecture	3D Printing and its Role in Modern Manufacturing
17.	Polytechnic Pharmacy	Guest Lecture	Pharmacovigilance and its Role in Patient Safety
18.	School of Nursing	Expert Lecture	The Role of Nurses in Disaster Management
19.	School of Law	Expert Lecture	Intellectual Property Rights and the Role of Lawyers
20.	School of Pharmacy	Guest Lecture	New Drug Development: Challenges and Innovations

These events aim to provide students with insightful industry exposure and enhance their knowledge in various fields, thereby contributing to their overall professional growth.

Extension Activities Workshop and Conference

S. No.	Department	Event	Title
1	Physical Education	Workshop	Statistical Analysis of Research Methodology
2	Management	Seminar	Practical Applications of Geeta in Present Scenario
3	Management	Workshop	New Trends in Thesis Writing

S. No.	Department	Event	Title
4	School of Pharmacy	Workshop	National E-Workshop on "Advanced Instrumentation"
5	Diploma Engineering	Expert Lecture	Entrepreneurship Skill Development Among Students for Sri Satya Sai University of Technology & Medical Sciences, Sehore

This format organizes the events clearly with the associated department, event type, and specific title for each activity. You can customize further with additional details like date, venue, speakers, and target audience.

Research & Publication (2023-24)

The **Research & Publication** activities at Sri Satya Sai University of Technology and Medical Sciences, Sehore, have witnessed significant progress during the academic year 2023-24. Our faculty, researchers, and students have made notable contributions to the fields of science, technology, and medical sciences. Below are the key highlights:

- **Research Publications:** A total of **179** research papers have been published in renowned national and international journals, contributing to the academic reputation of the university and advancing knowledge in various fields.
- **Patent Publications:** The university has shown a strong commitment to innovation, with **20 patents** published, showcasing novel research and developments by our faculty and research teams.
- **Patent Grants:** In recognition of the intellectual property and innovation generated by our researchers, **16 patents** have been granted during the year, further strengthening the university's role in fostering a culture of innovation.
- **Books:** A total of **12 books** have been authored and published by our faculty, contributing valuable resources to academia and industry.

These accomplishments reflect the university's dedication to research excellence, innovation, and the dissemination of knowledge that impacts both academic communities and society at large. We continue to encourage and support our researchers in exploring new frontiers and producing high-quality, impactful research.

Best Papers of the University

Name	Title	Publisher	Journal	Indexing	ISSN Number	Year

Name	Title	Publisher	Journal	Indexing	ISSN Number	Year
Dr. Mukesh Tiwari	Wideband Metasurface Loaded Circularly Polarized MIMO Microstrip Antenna with High Isolation	IEEE MTT-S Chapter of Serbia and Montenegro	Mikrotalasna revija	Scopus	1450-5835	2022
Dr. Sanjay Rathore	Analyse the Study of a Hybrid Power System in the Case of Refrigeration	Philippine Peso	Mathematical Statistician and Engineering Applications	Scopus	2984-7869	2022
Dr. Chandra Kishore Tyagi	Isolation, characterization, and biological evaluation of ethanolic extract of Ajos sacha in Streptozotocin-induced hyperglycemia in Wistar albino rats	ELSEVIER	South African Journal of Botany	SCI	0254-6299	2022
Dr. Rashmi Dwivedi	Optimization of Turning Process for Surface Quality Improvement of Hard AISI M7 Tool Steel	Tuijin Jishu	Journal of Propulsion Technology	Scopus	1001-4045	2023
Dr. Santosh Kumar Rai	Grain size responsive uniaxial tensile behavior of polycrystalline nanocopper under different temperatures and strain rates	Emerald	Multidiscipline Modeling in Materials and Structures	SCI	1573-6105	2023
Dr. Santosh Kumar Rai	A Study on the Effect of Geometry and Operating Variables on Density Wave Oscillation in a Supercritical Natural Circulation Loop	MDPI	Computation	SCI	2079-3197	2023
Dr. Chandra Kishore	In vivo and in vitro Hyperglycaemic Screening of Adenocalymma alliaceum	Association of Pharmaceutical Teachers of India	Indian Journal of Pharmaceutical Education and	SCI	0019-5464	2022

Name	Title	Publisher	Journal	Indexing	ISSN Number	Year
Tyagi	Miers, A Promising Herb		Research			

This table highlights the best papers published by faculty members of Sri Satya Sai University of Technology & Medical Sciences, showcasing their contributions to various fields of study. The papers are indexed in reputable journals such as Scopus and SCI, demonstrating the high level of research conducted at the university.

Patent Achievements

The year 2023 marked a milestone in innovation and research for Sri Satya Sai University of Technology & Medical Sciences, Sehore. The university's faculty and researchers have made significant contributions across various fields, as evidenced by the following list of patents granted during the year. These patents reflect our commitment to fostering innovation, addressing real-world problems, and advancing science and technology.

List of Patents Granted in 2023

S.No	Name of Inventor	Patent/Design Patent No.	Grant Date	Title
1	Dr. Mukesh Tiwari	374450-001	20/01/2023	Object Sensing Based Public Lighting Fixture
2	Dr. Mukesh Tiwari	202221065208	13/01/2023	An Intelligent Waste/Garbage Disposal System Based on Internet of Things (IoT)
3	Dr. Mukesh Tiwari	388732-001	30/08/2023	Dustbin Press
4	Dr. Chandr Kishore Tyagi	202121008744	09/11/2023	Oxazole Compounds as Anticancer Agent
5	Dr. Neelesh Chaubey	437149	07/04/2023	A Polyherbal Formulation for Treatment of Liver Disorder and Method of Preparation Thereof
6	Dr. Neelesh Chaubey	389684-001	07/05/2023	Laboratory Instrument for Detection of Alzheimer's Disorder
7	Mrs. Priyanka	398305-001	23/10/2023	Deep Drawing Punch with Sensors

S.No	Name of Inventor	Patent/Design Patent No.	Grant Date	Title
	Jhavar			
8	Dr. Dhiraj Shinde	391547-001	31/07/2023	Smart Meditation and Rest Table
9	Dr. Gajraj Singh Ahirwar	391574-001	31/07/2023	Portable Hand Wash System with Sink
10	Dr. Tabassum Khan	394724-001	08/09/2023	Goods Conveyor Tube
11	Dr. Rishikesh Yadav	391559	27/09/2023	Adjustable Laptop Table
12	Dr. Ajay Swarup	391560-001	15/11/2023	Manually Operated Deep Drawing Machine
13	Devendra Patle	398307-001	21/12/2023	Smart Table for Study
14	Ankit Navgeet Joshi	398308-001	27/12/2023	QR Display Stand
15	Dr. Santosh Jagwani	394722-001	08/09/2023	Coal Burner & Handling Apparatus with Smoke Separation Chamber
16	Mr. Ankit Navgeet Joshi	394723-001	08/09/2023	Deep Drawing Punch Die with Sensors
17	Dr. Gajraj Singh Ahirwar	398306-001	23/10/2023	Finger Sleeve for Mobile Screen
18	Sudeesh Chouhan	6295355	21/07/2023	Sensor-Based Chemical Mixing Device for Agriculture Farm
19	Dr. Anuradha Devi	6302075	15/08/2023	Sensor-Based Biogas Generating Tank
20	Dr. Anuradha Devi	6309872	05/10/2023	Chemical Industrial Grinder Machine
21	Dr. Rashmi Dwivedi	402320-001	17/12/2023	Charging System for Electrical Vehicles Using Solar Energy

S.No	Name of Inventor	Patent/Design Patent No.	Grant Date	Title
22	Dr. D.S. Rajput	366101-001	24/03/2023	Liquid Soap Dispenser
23	Sudeesh Chouhan	391559-001	29/09/2023	Smart Laptop Table
24	Dr. Gargee Singh	391547-001	15/09/2023	Smart Meditation and Rest Table
25	Dr. Dharmendra Singh Rajput	391574-001	31/07/2023	Hand Wash System with Sink
26	Dr. Rishikesh Yadav	394724-001	03/11/2023	Conveyor Tube
27	Dr. Ajay Kumar Choubey	391560-001	17/11/2023	Deep Drawing Machine
28	Manoj Kumar Gandwane	398307-001	22/12/2023	Smart Table
29	Dr. Neelam Khare	398308-001	29/12/2023	QR Display
30	Dr. Dhiraj Shinde	394722-001	08/09/2023	Smoke Separation Chamber
31	Manoj Kumar Yadav	394723-001	08/09/2023	Deep Drawing Die with Sensors
32	Dr. Tabassum Khan	398306-001	20/12/2023	Finger Sleeve

These accomplishments showcase the university's pioneering efforts in diverse fields, ranging from healthcare innovations to advancements in engineering and technology. We are committed to furthering this legacy of excellence in research and development.

COPYRIGHTS

In 2024, the university has made significant progress in intellectual property development, showcasing the expertise and innovation of our esteemed faculty. Below is the summary of copyrights granted during the year:

S.No.	Name	Copyright No.	Title
1	Dr. Mukesh Tiwari	17600/2023-CO/L	<i>Formula for Conical Die Throat Length</i>
2	Dr. Rashmi Dwivedi	L-119971/2022	<i>A Comprehensive Probabilistic Approach for Mapping Course Outcome with Program Outcome</i>
3	Dr. Narendra Sharma	1189923	<i>Web-Based Intelligent Learning Diagnosis System Using ML</i>
4	Dr. Brajesh Mohan Gupta	L-123936/2023	<i>Artificial Intelligence-Based Vehicle Battery</i>

Key Highlights

- Dr. Mukesh Tiwari**
 - Developed a breakthrough formula for calculating the throat length of conical dies, which holds potential applications in mechanical and manufacturing industries.
- Dr. Rashmi Dwivedi**
 - Presented an advanced probabilistic approach to align academic course outcomes with program outcomes, enhancing the curriculum design process.
- Dr. Narendra Sharma**
 - Pioneered the development of a web-based intelligent learning diagnosis system powered by machine learning, aimed at revolutionizing e-learning methodologies.
- Dr. Brajesh Mohan Gupta**
 - Created an innovative AI-driven vehicle battery design, contributing to the advancement of sustainable transportation technologies.

These achievements reflect the university's commitment to fostering research and innovation, as well as its contribution to societal and technological advancements. We commend the efforts of our faculty and look forward to continued excellence in the upcoming years.

Books Published

The year 2023 marked a significant contribution by the faculty and scholars of **Sri Satya Sai University of Technology & Medical Sciences, Sehore** to academic and research literature. A total of **11 books** were published in diverse fields ranging from education policies to advancements in engineering and healthcare sciences. These publications reflect the institution's commitment to fostering knowledge dissemination and thought leadership.

Books Published in 2023

S.No.	Author(s)	ISBN No.	Title	Year
1	Dr. Mukesh Tiwari	978-81-961331-3-9	<i>India's National Education Policy 2020</i>	2023
2	Dr. Mukesh Tiwari	978-81-961331-2-2	<i>Advanced Research for Entrepreneurship</i>	2023
3	Dr. Chandra Kishore Tyagi	658-21-3335-1-2	<i>Pharmaceutics-II</i>	2023
4	Dr. Mukesh Tiwari	978-81-961331-7-7	<i>Understanding NAAC: A Comprehensive Guide to Higher Education Accreditation in India</i>	2023
5	Dr. Chandra Kishore Tyagi	522-64-4442-3-2	<i>Pathophysiology</i>	2023
6	Sudeesh Chouhan & Vikas Patidar	978-81-961331-9-1	<i>Understanding NIRF Ranking: A Comprehensive Guide</i>	2023
7	Anuradha Devi	0.9789359961439	<i>Super Magnetic Devices through Waste: Unlocking the Potential</i>	2023
8	Anuradha Devi	B0CJB85ZF8	<i>Carbon Capture and Storage Technologies: A Comprehensive Guide</i>	2023
9	Dr. Rashmi Dwivedi	658234561	<i>Advance in Mechanical Engineering and Innovation</i>	2023
10	Dr. Rashmi Dwivedi	0.1957302666	<i>Recent Advances in Manufacturing and Design</i>	2023

S.No.	Author(s)	ISBN No.	Title	Year
11	Dr. Tabassum Khan	978-93-90143-18-4	<i>Personality and Development</i>	2023

Highlights of Publications

- Diversity in Disciplines:**
 The publications span various fields, including **education, engineering, healthcare, and personality development**, showcasing the university's multidisciplinary expertise.
- Focus on Innovation and Policy:**
 Books like *India's National Education Policy 2020* and *Understanding NAAC* highlight the institution's engagement with critical national-level education and policy reforms.
- Research-Oriented Contributions:**
 Titles such as *Carbon Capture and Storage Technologies* and *Advance in Mechanical Engineering and Innovation* demonstrate the university's dedication to addressing contemporary challenges and promoting sustainable technologies.
- Collaborative Efforts:**
 Faculty collaboration, such as the co-authored work *Understanding NIRF Ranking: A Comprehensive Guide*, reflects the spirit of teamwork and shared academic goals.
- Global Impact:**
 By publishing with internationally recognized ISBNs, these works reach a global audience, amplifying the university's academic presence worldwide.

Annual Report for Seed Funding and Grants (2023-24)

The Innovation, Research & Development (IR&D) Cell at Sri Satya Sai University of Technology and Medical Sciences (SSSUTMS), Sehore, has successfully facilitated the provision of over 50 in-house seed funding grants on an annual basis, empowering pioneering research across diverse disciplines. These funds have proven to be essential in supporting early-stage research initiatives, enabling faculty and students to explore innovative ideas and generate preliminary data that can lay the foundation for future advancements.

The projects funded through these seed grants have spanned several key areas, including:

- **Interdisciplinary research**
- **Mechanical and electrical engineering**
- **Artificial Intelligence (AI)**
- **Renewable energy technologies**

- **Social and healthcare solutions**

The research initiatives reflect the diverse interests within our university community, highlighting our commitment to pushing boundaries in technology and innovation.

Additionally, faculty members have submitted various research proposals to government and non-government funding bodies, such as the Department of Science & Technology (DST), Madhya Pradesh Council of Science and Technology (MPCST), Biotechnology Industry Research Assistance Council (BIRAC), Bhabha Atomic Research Centre (BRNS), Department of Biotechnology (DBT), All India Council for Technical Education (AICTE), Indian Council of Medical Research (ICMR), and several non-governmental organizations (NGOs). These collaborations are crucial for obtaining grants and other forms of support for the development of proof-of-concept projects and new technologies.

List of Key Projects Submitted, Completed, and Ongoing under Seed Grants and Other Funding Agencies:

S. No.	Name of Faculty	Title of Project	Funding Agency	Amount (in Lacs)	Date
1	Dr. Santosh Kumar Rai	AI-based multipurpose drone for health monitoring, predicting diseases in crops, and spraying pesticides	BIRAC	32.00	24-05-2024
2	Dr. Santosh Kumar Rai	Design and development of multipurpose agriculture smart drone	ARTPARK, Innovation Challenge 2024 (IISc, Bangalore)	10.00	05-05-2024
3	Dr. Santosh Kumar Rai	Development of a smart device for improving combustion and fuel efficiency in MPSEFI spark ignition engines and capturing gas pollutants	MPCST	9.11	02-05-2024
4	Dr. Santosh Kumar Rai	Design and development of a smart house with automated environment control	Siddharth Kapoor Infrastructure Pvt. Ltd.	28.70	28-01-2024
5	Dr. Santosh Kumar Rai	Development of high-temperature 3D printer	SSSUTMS, Sehore	1.86	28-02-2024
6	Ms. Yamini Rai	Development of AI-based drone system for detecting multiple plant diseases	SSSUTMS, Sehore	1.67	28-02-

S. No.	Name of Faculty	Title of Project	Funding Agency	Amount (in Lacs)	Date
					2024
7	Dr. Rashmi Dwivedi	Design and development of aircraft	SSSUTMS, Sehore	3.00	28-02-2024
8	Dr. Ajay Swarup	Numerical and experimental investigation of composite concrete with phase change and thermal energy storage materials for improved thermal behaviors in buildings	SSSUTMS, Sehore	2.45	28-02-2024
9	Mr. Manoj Kumar Gandwane	Removal of arsenic from wastewater using absorbents	SSSUTMS, Sehore	1.23	28-02-2024

These funded projects reflect the university's active engagement in cutting-edge research, focusing on sustainable technologies, environmental solutions, AI applications, and innovative engineering designs, as well as contributing to community-focused advancements in healthcare and agriculture.

The IR&D Cell continues to work diligently in fostering a conducive environment for research and innovation, securing further funding, and ensuring that these groundbreaking projects can reach their full potential.