BABU SUNDER SINGH INSTITUTE OF TECHNOLOGY AND MANAGEMENT, LUCKNOW (U.P.)

MANDATORY DISCLOSURE

SESSION: 2025-26

For B. Tech., Diploma and M. Tech. Courses

Our Inspiration

Our efforts in the laying foundation of "Babu Sunder Singh Institute of Technology and Management" are a continuation of his dreams and Vision.

Vision of the Institute

To evolve into distinguished institution that nurtures a vibrant learning atmosphere, empowering aspiring engineers to emerge as ethical technology leaders and entrepreneurs for societal wellbeing and national advancement through innovation and research.

Mission of the Institute

- To bridge the gap between theory and practice through effective teaching learning process and hands on experiments.
- To cultivate creative minds by indulging them in innovative projects and research.
- To foster a culture that promotes entrepreneurial risk taking and adaptability.
- To create technological leaders by inculcating moral values for societal welfare and lifelong learning.

INDEX

1. NAME OF THE INSTITUTION

Name of the Institute	:	Babu Sunder Singh Institute of Technology and Management
Address of the College	:	NH-24 B, RAEBARELI ROAD NIGOHAN, LUCKNOW - 226302 (U.P.) Phone No: +917897472222, +917607011855 Email: bssgiregistrar@gmail.com, bssitmdirector@gmail.ocm Website: www.bssitm.ac.in

2. NAME AND ADDRESS OF THE FOUNDATION

Name of the Foundation	:	Babu Sunder Singh Foundation (BSSF)
Address	:	A/8 Lawrence Terrace Hazratganj, Lucknow-2260001, U.P. Contact No.: +91 7897462222 Email: bssgiregistrar@gmail.com

3. NAME & ADDRESS OF THE DIRECTOR

Name of the Trust	:	Prof. (Dr.) Ravi Shanker Mishra
Address	:	60, Fateh Pura, Bahraich, PIN-271801,
Contact No.	:	+91 7607011855
		Email: bssitmdirector@gmail.ocm

4. NAME OF THE AFFILIATING UNIVERSITY

Dr. A.P.J. Abdul Kalam Technical University,
Sector-11, Jankipuram Vistar Yojana, Lucknow,
Uttar Pradesh, Pin Code-226031, India

5. GOVERNANCE

FOUNDATION MEMBERS

S. No.	NAME	DESIGNATION
1.	ER. ANAND SHEKHAR SINGH	CHAIRMAN
2.	SMT. RINA SINGH	CHAIRPERSON
3.	SMT. BEENA SINGH	GENERAL SECRETARY
4.	DR. TARUN SHEKHAR SINGH	MEMBER
5.	MR. RAJESH KUMAR	MEMBER
6.	MR. JAYANT SINGH	MEMBER
7.	MR. PRADEEP GUPTA	MEMBER

Board of Governors

The Institute was established in the year 2010 and offers various undergraduate, diploma and postgraduate programs. The entire administration of the Institute is overseen by the Director under the guidance of the Board of Governors (BOG). Considering the diverse academic programs and the large student strength, various committees, academic bodies, and boards have been constituted to oversee activities, assess requirements, and take appropriate decisions for the smooth and efficient functioning of the Institute.

The Board of Governors (BOG) is the highest governing body of the Institute. The meetings of the BOG are usually held twice a year and additionally as and when required, depending upon the needs of the Institute. The composition of the Board of Governors nominated by BSSF is as follows:

S. No.	Name	Occupation	Nomination Status
1	Smt. Rina Singh	Employer	Chairperson
2	Er. Anand Shekhar Singh	Corporate Executive	Member
3	Smt. Beena Singh	Public Representative	Member
4	Mr. Jayant Singh	Member	Member
5	Mr. Pradeep Kumar Gupta	Industrialist	Member
6	Prof. (Dr.) K.K. Singh, Former Pro-Vice Chancellor HBTU, Kanpur	Academician	Member
7	(Dr.) A. K. S. Rawat Professor, Ex. Scientist & Head of the Division at CSIR-National Botanical Research Institute	Scientist	Member
8	Mr. Anil Kumar Singh	Dy. Director	Member
9	Mr. R.P. Tiwari, Chartered Accountant	Finance	Member
10	Dr. Amit Kumar Srivastava, Dean Academic Affairs (BSSITM)	Senior Faculty	Member
11	Mr. Kunwar Babu Singh Parent of Mr. Abhishek Singh (Diploma CSE 2nd Year)	Parent	Member
12	Prof. (Dr.) Ravi Shanker Mishra	Director	Member Secretary

Administrative Portfolios:

For the smooth, systematic, and result-oriented functioning of any academic institution, decentralization of administrative authority constitutes a vital governance mechanism that promotes multidimensional institutional growth and operational excellence. It ensures not only the equitable distribution of responsibilities but also strengthens accountability, transparency, and participative decision-making within the organizational framework.

Guided by this administrative philosophy, Babu Sunder Singh Institute of Technology and Management (BSSITM) has developed and implemented a well-structured mechanism for the strategic delegation of powers and responsibilities across various tiers of faculty and staff members. This calibrated distribution of administrative functions is designed to optimize efficiency, enhance coordination among departments, and facilitate timely execution of institutional policies and academic initiatives.

Such an inclusive and decentralized governance structure significantly contributes to the effective realization of the Institute's vision and mission by fostering collective responsibility and institutional coherence.

The detailed list of employees entrusted with specific administrative assignments and designated responsibilities is furnished in the table below:

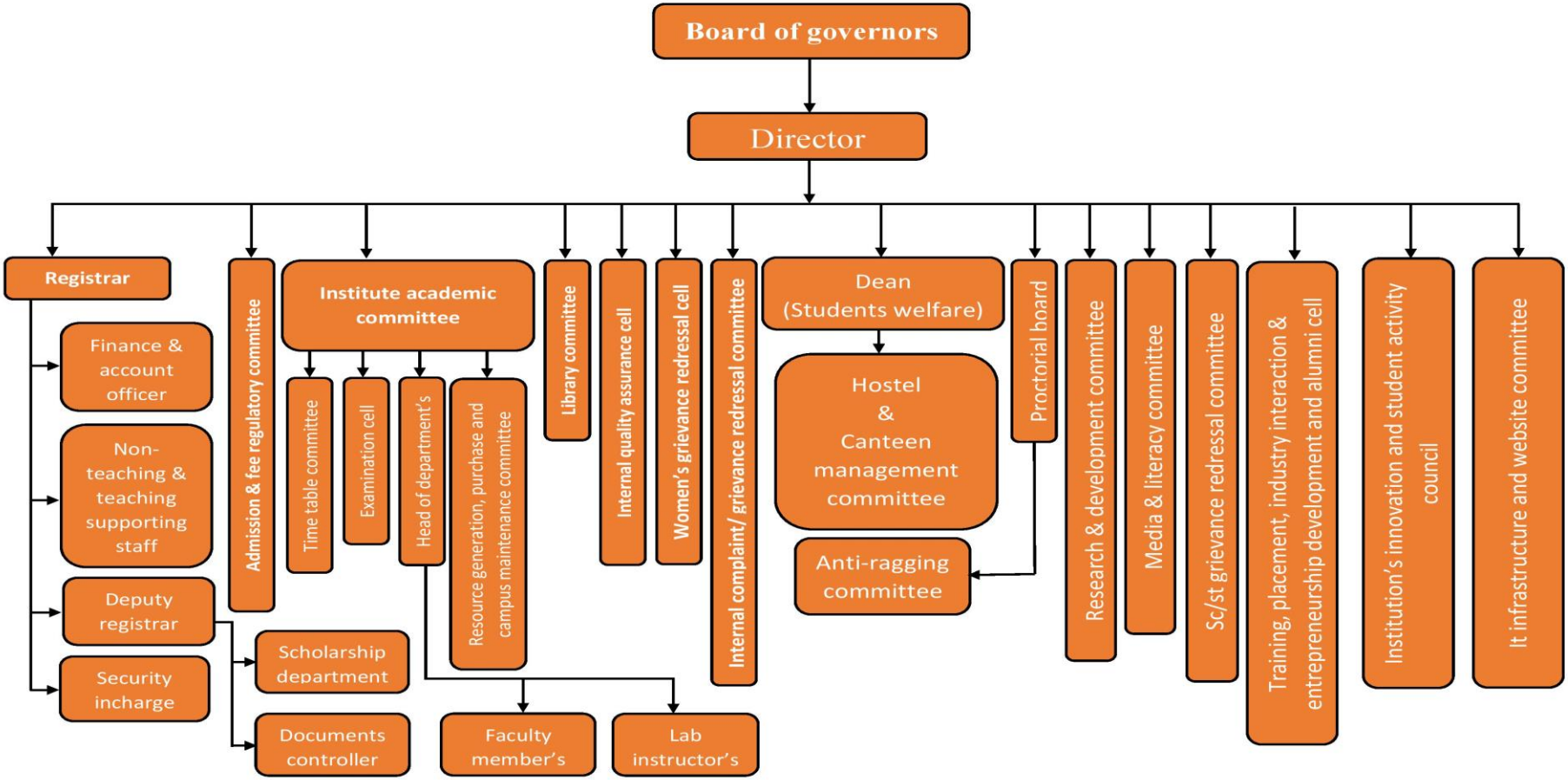
S. No.	Name	Designation
1	Prof. (Dr.) R.S. Mishra	Director
2	Er. Abhishek Singh	Registrar
3	Dr. Amit Kumar Srivastava	Dean (Academic Affairs)
4	Er. Vishavjeet	HOD, Civil Engineering & Dean (Student Welfare)
5	Ms. Anuja Singh	Training and Placement Officer
6	Mr. Tripesh Tiwari	HOD, ASH & Proctor
7	Er. Sanjeev Mishra	Examination Controller
8	Er. Anamika Maurya	Head Admission and Fee Regulatory Committee
9	Er. Hira Singh Yadav	HOD, Computer Science and Engineering
10	Er. Amit Kumar Yadav	HOD, Mechanical Engineering
11	Er. Prashant Pandey	HOD, Electrical Engineering & ECE
12	Er. Suyogita Singh	HOD, Information Technology
13	Dr. Dharmendra Singh	HOD, AI & ML
14	Er. Pankaj Kumar	HOD, Agricultural Engineering

VARIOUS ACADEMIC AND ADMINISTRATIVE COMMITTEES

For the efficient and progressive functioning of any academic institution, decentralization of management and administrative control serves as a fundamental prerequisite for achieving sustained and multifaceted growth. Recognizing this imperative, BSSITM has meticulously designed and implemented a well-defined framework for the delegation and distribution of authority, responsibility, and accountability at various hierarchical levels. This structured mechanism ensures participative governance and facilitates the systematic realization of the Institute's vision and mission.

In consonance with this governance model, a number of statutory, academic and administrative bodies/committees/Cells have been duly constituted to oversee, regulate, and streamline diverse institutional functions. The comprehensive list of these bodies/committees/Cells, along with the prescribed periodicity of their meetings, is presented hereunder.

S. No.	Name of the Committee	S. No.	Name of the Committee
1	Board of Governors	11	Internal Complaint/Grievance Redressal Committee
2	Admission and Fees Regulatory Committee (AFRC)	12	SC/ST Grievance Redressal Committee
3	Institute Academic Committee	13	Women's Grievance Redressal Cell
4	Time Table Committee	14	Training, Placement, Industry Interaction & Entrepreneurship Development and Alumni Cell
5	Anti Ragging Committee	15	Media and Literacy Committee
6	Internal Quality Assurance Cell	16	Research & Development Committee
7	Hostel and Canteen Management Committee	17	Resource Generation, Purchase and Campus Maintenance Committee
8	Proctorial Board	18	Library Committee
9	Examination Cell	19	IT Infrastructure and Website Committee
10	Institution's Innovation and Students Activity Council		



Structure of Organization

1. **Admission and Fees Regulatory Committee (AFRC)**

S. No.	Name	Designation	S. No.	Name	Designation
1	Er. Anamika Maurya	Convener	5	Er. Hira Singh Yadav	Member
2	Er. Amit Kumar Yadav	Member	6	Mr. Avanindra Verma	Member
3	Mr. Ramesh Kumar	Member	7	Er. Abhishek Singh	Member Secretary
4	Ms. Barkha Thapa	Member			

(i) Fee Structure for Academic Session: 2025-26

S. No.	Particulars	B. Tech. 1st Year	B. Tech. Lateral	Diploma 1st Year	Diploma Lateral	M. Tech. 1st Year
1	Admission Fee (₹)	5,000.00	5,000.00	3,000.00	3,000.00	5,000.00
2	Tuition Fee (₹)	55,000.00	55,000.00	33,600.00	33,600.00	64,000.00
3	Activity & Medical Charges (₹)	3,000.00	3,000.00	2,000.00	2,000.00	3,000.00
4	Exam. Fee (₹)	7,500.00	7,500.00	840	840	10,000.00
	Total (₹)	**70,500.00**	**70,500.00**	**39,440.00**	**39,440.00**	**82,000.00**
1	Library Facility Charges (Annual) (₹)	2,000.00				
2	Uniform Charges (One Time) (₹)	5,000.00				
3	Hostel & Mess (Annual) Optional (₹)	60,000.00				
4	Transportation Charges (Annual) Optional (₹)	21,000.00				******

(ii) Babu Sunder Singh Scholarship-cum-Freeship and Fee Concession Scheme

- **B. Tech Courses: Annual Payable Fee & Permissible Freeship Amount**

Group	Student Criteria	Fee Payable (₹)	Freeship Amount (₹) upto	Recommending Authority
A	Extremely Economically Weaker / Special Case	30,000	40,500	Board of Governors
B	Students with Financial Constraints	40,000	30,500	Board of Governors
C	Low Income Category	50,000	20,500	Board of Governors
D	Merit + Financial Need	60,000	10,500	Board of Governors
E	No Concession	70,500	0	—

- **Diploma Courses: Annual Payable Fee & Permissible Freeship Amount**

Group	Student Criteria	Fee Payable (₹)	Freeship Amount (₹) upto	Recommending Authority
A	Extremely Economically Weaker / Special Case	20,000	19,440	Board of Governors
B	Students with Financial Constraints	23,000	16,440	Board of Governors
C	Low Income Category	25,000	14,440	Board of Governors
D	Merit + Financial Need	27,000	12,440	Board of Governors
E	No Concession	39,440	0	—

- **M. Tech Courses: Annual Payable Fee & Permissible Freeship Amount**

Group	Student Criteria	Fee Payable (₹)	Freeship Amount (₹) upto	Recommending Authority
A	Extremely Economically Weaker / Special Case	30,000	52,000	Board of Governors
B	Students with Financial Constraints	40,000	42,000	Board of Governors
C	Low Income Category	50,000	32,000	Board of Governors
D	Merit + Financial Need	67,000	15,000	Board of Governors
E	No Concession	82,000	0	—

General Policy for Babu Sunder Singh Scholarships-cum-freeships and Fee Concession

- The above fee concession / freeship structure is intended to provide financial support to deserving and financially weaker students to enable them to pursue their academic programs.
- The concession shall be granted strictly on the basis of eligibility criteria such as family income, academic merit, and special circumstances, subject to verification of supporting documents.
- Students seeking fee concession must submit a prescribed application along with valid income certificates and other relevant documents for consideration by the competent authority.
- The final approval for granting BSS Scholarship-cum-freeship or fee concession shall rest with the Board of Governors based on the recommendation of the AFRC.
- The concession shall normally be granted for one academic year and may be reviewed or renewed in subsequent years based on the student's academic performance, attendance, and conduct.
- Providing false or misleading information in the application may lead to cancellation of the concession and recovery of the full fee as per institutional rules.

- The institution reserves the right to modify the fee concession policy from time to time as per institutional requirements and governing regulations.
- The number of students eligible for each category of freeship may be limited depending on institutional resources and policy decisions.

- **Hostel (Fooding & Lodging) Charges: ₹60,000/-**

    - Fee concession in respect of hostel (Fooding & Lodging) charges may be granted on a case-to-case basis, based on the financial condition of the student, with the approval of the Board of Governors (BOG).
    - To promote women empowerment and encourage greater participation of girl students, the Institute provides a special rebate of ₹5,000/ each in hostel accommodation fees for girl students.

2. Institute Academic Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. Amit Kumar Srivastava, Dean Academic Affairs	Convener	6	Dr. Suyogita Singh, HOD, IT	Member
2	Er. Hira Singh Yadav, HOD, CSE	Member	7	Mr. Tripesh Tiwari, HOD, ASH	Member
3	Er. Amit Kumar Yadav, HOD, ME	Member	8	Dr. Pankaj Kumar, HOD, Agril. Engg.	Member
4	Er. Vishavjeet, HOD, CE	Member	9	Er. Prashant Pandey, HOD, EE & ECE	Member Secretary
5	Dr. Dharmendra Singh, HOD, AIML	Member			

3. Time Table Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. Amit Kumar Srivastava, DAA	Convener	6	Dr. Suyogita Singh, HOD, IT	Member
2	Er. Hira Singh Yadav, HOD, CSE	Member	7	Mr. Tripesh Tiwari, HOD, ASH	Member
3	Er. Prashant Pandey, HOD, EE & ECE	Member	8	Dr. Pankaj Kumar, HOD, Agril. Engg.	Member
4	Er. Vishavjeet, HOD, CE	Member	9	Er. Amit Kumar Yadav, HOD, ME	Time Table I/C & Member Secretary
5	Dr. Dharmendra Singh, HOD, AIML	Member			

4. Anti Ragging Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. Neeraj Singh	Convener	7	Ms. Akriti Shukla	Member
2	Er. Neeta Yadav	Member	8	Mr. Raju Singh F/O Mr. Abhinav Pratap Singh, CSE 3rd Year (2025-26)	Parent Representative
3	Mr. Amit Kumar Singh (Warden, Vivekanand Boys' Hostel)	Member	9	Mr. Saurabh Shukla, CSE 2nd Year (2025-26)	Student Representative
4	Ms. Priti Singh (Warden, Saraswati Girls' Hostel)	Member	10	Ms. Laxmi Gautam, AG 2nd Year (2025-26)	Student Representative
5	Er. Ramesh Kumar	Member	11	Mr. Tripesh Tiwari	Member Secretary
6	Mr. Aditya Mishra	Member			

5. Internal Quality Assurance Cell

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. R.S. Mishra	Convener	8	Mr. Pradeep Gupta	Society Member
2	Er. Hira Singh Yadav, HOD, CSE	Faculty Member	9	Mr. Kapil Dev Yadav	Student Member
3	Er. Amit Kumar Yadav, HOD, ME	Faculty Member	10	Ms. Mansi Srivastava	Alumni Member
4	Er. Vishavjeet, HOD, CE	Faculty Member	11	Mr. Parvesh Bareja, MD, Helios Packaging Private Limited.	Employer
5	Er. Prashant Pandey, HOD, EE & ECE	Faculty Member	12	Mr. Sharad Jain	Industrialist
6	Dr. A.K.S. Rawat	Management Member	13	Dr. Amit Kumar Srivastava, Dean Academic Affairs	Member Secretary
7	Er. Abhishek Singh	Registrar			

6. Hostel and Canteen Management Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Er. Vishavjeet, Dean Students' Welfare	Convener	6	Mr. Avanindra Verma, (Account Officer)	Member
2	Mr. Amit Kumar Singh (Warden, Vivekanand Boys' Hostel)	Member	7	Mr. Aman Tiwari, CSE 3rd Year (2025-26)	Student Member
3	Ms. Priti Singh (Warden, Saraswati Girls' Hostel)	Member	8	Ms. Anshika Mishra, IT 3rd Year (2025-26)	Student Member
4	Er. Ramesh Kumar	Member	9	Er. Hira Singh Yadav, Chief Warden	Member Secretary
5	Er. Raj Kumar Singh (Dy. Registrar)	Member			

7. Proctorial Board

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. Neeraj Singh, Chief Proctor	Convener	6	Ms. Priti Singh (Warden, Saraswati Girls' Hostel)	Member
2	Ms. Mamta Singh, Proctor	Member	7	Mr. Surya Prakash Patel	Member
3	Er. Neeta Yadav	Member	8	Mr. Anjit Yadav	Member
4	Mr. Amit Kumar Singh (Warden, Vivekanand Boys' Hostel)	Member	9	Mr. Tripesh Tiwari, Proctor	Member Secretary
5	Er. Ramesh Kumar	Member			

8. Examination Cell

S. No.	Name	Designation	S. No.	Name	Designation
1	Er. Sanjeev Mishra, Controller of Examination	Convener	6	Dr. Dharmendra Singh	Member
2	Er. Neeta Yadav	Member	7	Dr. Suyogita Singh	Member
3	Er. Amit Kumar Yadav	Member	8	Dr. Pankaj Kumar	Member
4	Er. Vishavjeet	Member	9	Er. Prashant Pandey, Dy. Controller of Examination	Member Secretary
5	Mr. Tripesh Tiwari	Member			

9. Institution's Innovation and Students Activity Council

S. No.	Name	Designation	S. No.	Name	Designation
1	Er. Anamika Maurya	Convener	6	Er. Ramesh Kumar	Member
2	Dr. Dharmendra Singh	Member	7	Mr. Aman Chaudhary	Member
3	Dr. Suyogita Singh	Member	8	Ms. Sambhavi Mishra, CSE 3rd Year (2025-26)	Student Member
4	Ms. Barkha Thapa	Member	9	Mr. Adarsh Kumar, IT 3rd Year (2025-26)	Student Member
5	Ms. Mamta Singh	Member	10	Er. Abhishek Singh	Member Secretary

10. Internal Complaint/Grievance Redressal Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. R. S. Mishra, Director	Convener	7	Er. Ramesh Kumar	Member
2	Er. Vishavjeet, DSW	Member	8	Mr. Amit Kumar Singh (Warden, Boys' Vivekanand Hostel)	Member
3	Mr. Sdihhart S. Singh, High Court Lawyer	External Member	9	Mr. Mohd. Rehan CSE 3rd Year (2025-26)	Student Member
4	Ms. Rita Singh, President, Saral Care Foundation	External Member from NGO for Women Empowerment	10	Ms. Anamika Patel, Ag 2nd Year (2025-26)	Student Member
5	Dr. Suyogita Singh, HOD IT	Member	11	Er. Abhishek Singh, Registrar	Member Secy.
6	Mr. Tripesh Tiwari, HOD ASH	Member			

11. SC/ST Grievance Redressal Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. Pankaj Kumar	Convener	6	Mr. Anil Kumar	Member
2	Dr. R.P. Rao	Member	7	Mr. Raj Kumar	Member
3	Er. Mukesh Kumar	Member	8	Ms. Sita Devi	Member
4	Ms. Astha Singh	Member	9	Mr. Ramesh Kumar	Member Secretary
5	Mr. Ashish Kumar	Member			

12. Vishakha/Women's Grievance Redressal Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Ms. Mamta Singh	Convener	5	Ms. Menka Shukla	Member
2	Ms. Rita Singh, President, Saral Care Foundation	External Member from NGO for Women Empowerment	6	Ms. Vijay Laxmi	Member
3	Dr. Suyogita Singh	Member	7	Er. Neeta Yadav	Member Secretary
4	Ms. Ananaya Chhavi	Member			

13. Training, Placement, Industry Interaction & Entrepreneurship Development and Alumni Cell

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. R.S. Mishra, Director	Convener	5	Er. Atul Kumar Verma	Member
2	Dr. Vinay Mishra	Member	6	All the Hods or Their Faculty Representative	Member
3	Mr. Shailendra Singh	Member	7	Ms. Anuja Singh	Member Secretary
4	Mr. Kaushlendra Singh Yadav	Member			

14. Media and Literacy Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Er. Anamika Maurya	Convener	4	Mr. Anjit Yadav	Member
2	Mr. Ramesh Kumar	Member	5	Er. Abhishek Singh	Member Seretary
3	Mr. Aman Chaudhary	Member			

15. Research & Development Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. Dharmendra Singh	Convener	6	Dr. Ashrey Jaiswal	Member
2	Dr. Amit Kumar Srivastava	Member	7	Dr. Arun Kumar	Member
3	Dr. Anand Kumar Singh	Member	8	Dr. Pankaj Kumar	Member
4	Dr. Manoj Kumar Singh	Member	9	Dr. Suyogita Singh	Member Secretary
5	Dr. Vinay Kumar Mishra	Member			

16. Resource Generation, Purchase and Campus Maintenance Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. Amit Kumar Srivastava	Convener	6	Mr. Amit Kumar Singh	Member
2	Er. Hira Singh Yadav	Member	7	Mr. Lal Chand	Member
3	Mr. Avanindra Verma	Member	8	Mr. Manoj Kumar	Member
4	Mr. Surya Prakash Patel	Member	9	Er. Abhishek Singh	Member Secretary
5	Concern HoD or their Nominee	Member			

17. Library Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. R.S. Mishra	Convener	6	Er. Ramesh Kumar	Member
2	Er. Hira Singh Yadav	Member	7	Mr. Ashish Kumar	Member
3	Dr. R.P. Rao	Member	8	Ms. Vijay Laxmi	Member
4	Dr. Suyogita Singh	Member	9	Mr. Subhash Singh	Member Secretary
5	Er. Prateek Sachan	Member			

18. IT Infrastructure and Website Management Committee

S. No.	Name	Designation	S. No.	Name	Designation
1	Dr. Amit Kumar Srivastava	Convener	5	Mr. Anjit Yadav	Member
2	Er. Hira Singh Yadav	Co-Convener	6	Er. Abhishek Singh	Member
3	Dr. Dharmendra Singh	Member	7	Dr. Suyogita Singh	Member Secretary
4	Mr. Jandendra Singh	Member			

6. PROGRAMMES

Babu Sunder Singh Institute of Technology and Management (BSSITM), established in 2010 under the Babu Sunder Singh Foundation, is committed to providing quality education in the fields of Engineering, Technology, Management, and Pharmaceutical Sciences. The institution aims to develop skilled professionals equipped to meet industry and societal challenges through modern education and infrastructure.

The Babu Sunder Singh Institute of Technology and Management, Lucknow, is affiliated with Dr. A.P.J. Abdul Kalam Technical University (AKTU) College Code; 648 and the Board of Technical Education (BTE), Uttar Pradesh College Code: 2289, and is approved by the All India Council for Technical Education (AICTE). BSSITM offers M.Tech, B.Tech, and Diploma programmes in engineering disciplines.

BSSITM spread over a 30-acre green campus near NH-24B, the institute provides modern facilities including Wi-Fi-enabled infrastructure, a fully automated library, well-equipped laboratories and workshops, hostels, sports facilities, and medical support for students. Founded with the vision of Mr. Anand Shekhar Singh, the institution focuses on academic excellence, ethical values, transparency, and holistic student development. The programmes approved by AICTE and their details are as follows:

Name of the Programs approved by the AICTE

Courses	Sanctioned Seats	Duration	Opening & Closing Rank	NBA Status
M. Tech (Computer Science and Engineering)	24	2-years	Counseling and / or Mgmt Quota	Not Accredited
M. Tech (Electronics and Communication Engineering)	24	2-years	Counseling and / or Mgmt Quota	
B. Tech (Agricultural Engineering)	60	4-years	1883380-2121185	
B. Tech (Information Technology)	30	4-years	536775-2120368	
B. Tech (Electrical Engineering)	30	4-years	559621-2118017	
B. Tech (Electronics and Communication Engineering)	30	4-years	1888474	
B. Tech (Mechanical Engineering)	60	4-years	1854640-2010427	
B. Tech (Artificial Intelligence & Machine Learning)	30	4-years	222612-2119843	
B. Tech (Civil Engineering)	60	4-years	1752407-2117389	
B. Tech (Computer Science and Engineering)	60	4-years	980470-2120528	
Diploma (Civil Engineering)	30	3-years	16205-159454	
Diploma (Mechanical Engineering)	60	3-years	17440-162419	
Diploma (Electrical Engineering)	60	3-years	21777-167037	
Diploma (Computer Science and Engineering)	30	3-years	47296-131888	

7. FACULTY

BSSITM is supported by a team of qualified, experienced, and dedicated faculty members committed to delivering quality technical education and fostering academic excellence. The faculty comprises Professors, Associate Professors, and Assistant Professors with strong academic backgrounds and specialized expertise in various engineering and sciences disciplines, having obtained their qualifications from institutes and universities of national and international repute.

The faculty is actively engaged in effective curriculum delivery through outcome-based education (OBE), innovative teaching–learning practices, and the integration of modern pedagogical tools, including ICT-enabled methodologies. Emphasis is laid on student-centric learning through mentoring, academic counseling, project guidance, and continuous assessment mechanisms to enhance student performance and holistic development.

Faculty members regularly participate in Faculty Development Programmes (FDPs), seminars, workshops, conferences, industrial training, and research activities to upgrade their professional competencies and stay aligned with emerging technological advancements. They are encouraged to undertake research, publish scholarly articles in reputed journals, file patents, and collaborate with industry and academic institutions.

The faculty also contributes significantly to institutional governance through participation in academic and administrative committees, curriculum planning, quality assurance initiatives, and extension activities. Their involvement in consultancy, industry interaction, and community engagement supports experiential learning and strengthens industry–academia linkage.

The Institute promotes a culture of continuous improvement, ethical practices, and academic responsibility among faculty members, ensuring alignment with NAAC and NBA quality benchmarks and fostering an environment conducive to teaching excellence, research innovation, and professional growth.

S. No.	Title	Name of Faculty	Designation	Department
1	Dr.	Ravi Shanker Mishra	Professor & Director	Civil Engineering
2	Mr.	Vishva Jeet	Associate Professor	Civil Engineering
3	Ms.	Nazima Ansari	Associate Professor	Civil Engineering
4	Ms.	Km Astha Singh	Asst Professor	Civil Engineering
5	Mr.	Pradeep Kumar Yadav	Asst Professor	Civil Engineering
6	Mr.	Avinash Mishra	Asst Professor	Civil Engineering
7	Mr.	Arjun Singh	Asst Professor	Civil Engineering
8	Mr.	Raj Kumar Singh	Lecturer	Civil Engineering
9	Mr.	Vivek Kumar Singh	Asst Professor	Civil Engineering
10	Mr.	Himanshu Gupta	Asst Professor	Civil Engineering
11	Mr.	Abhay Kumar Bharti	Asst Professor	Civil Engineering
12	Mr.	Sachin Kumar	Lecturer	Civil Engineering
13	Ms.	Ankita Srivastava	Asst Professor	Civil Engineering
14	Mr.	Sachin Kumar Patel	Asst Professor	Civil Engineering
15	Mr.	Prabhat Mishra	Asst Professor	Civil Engineering
16	Mr.	Pradeep Pandey	Asst Professor	Civil Engineering
17	Mr.	Omkar Nath	Asst Professor	Civil Engineering
18	Mr.	Shadab Khan	Asst Professor	Civil Engineering
19	Mr.	Hira Singh Yadav	Associate Professor	Computer Science & Engineering
20	Dr.	Dharmendra Singh	Associate Professor	Computer Science & Engineering
21	Dr.	Suyogita Singh	Associate Professor	Computer Science & Engineering
22	Mr.	Amit Kumar Singh	Asst Professor	Computer Science & Engineering

23	Mr.	Atul Verma	Asst Professor	Computer Science & Engineering
24	Mr.	Yash Raj	Asst Professor	Computer Applications
25	Mr.	Arun Kumar Maurya	Asst Professor	Computer Science & Engineering
26	Mr.	Shailendra Singh	Asst Professor	Computer Applications
27	Mr.	Mohammad Sahil Ansari	Asst Professor	Computer Science & Engineering
28	Mr.	Mukesh Kumar	Asst Professor	Computer Science & Engineering
29	Mr.	Sachin Yadav	Asst Professor	Computer Science & Engineering
30	Mr.	Prathmesh Shukla	Lecturer	Computer Science
31	Ms.	Ananya Chhavi	Lecturer	Computer Science
32	Mr.	Anubhav Srivastava	Asst Professor	Computer Science & Engineering
33	Mr.	Ankit Bajpai	Asst Professor	Computer Science & Engineering
34	Ms.	Shraddha Gupta	Asst Professor	Computer Science & Engineering
35	Mr.	Abdul Khan	Asst Professor	Computer Science & Engineering
36	Mr.	Gaurav Katiyar	Asst Professor	Computer Science & Engineering
37	Mr.	Amit Kumar Yadav	Associate Professor	Mechanical Engineering
38	Dr.	Manoj Kumar Singh	Associate Professor	Mechanical Engineering
39	Dr.	Vinay Mishra	Associate Professor	Mechanical Engineering
40	Mr.	Sanjeev Mishra	Associate Professor	Mechanical Engineering
41	Mr.	Sanjay Tiwari	Associate Professor	Mechanical Engineering
42	Mr.	Abhishek Singh	Asst Professor	Mechanical Engineering
43	Mr.	Atul Kumar Verma	Asst Professor	Mechanical Engineering
44	Ms.	Dolly Singh	Asst Professor	Mechanical Engineering
45	Mr.	Nageshwar Nath Upadhyay	Asst Professor	Mechanical Engineering
46	Mr.	Jai Bharat Singh	Asst Professor	Mechanical Engineering

47	Mr.	Aaditya Vashishatha Mishra	Asst Professor	Mechanical Engineering
48	Mr.	Sarvesh Kumar	Asst Professor	Mechanical Engineering
49	Mr.	Shashank	Asst Professor	Mechanical Engineering
50	Mr.	Shubham Upadhyay	Lecturer	Mechanical Engineering
51	Mr.	Umesh Kumar Verma	Lecturer	Mechanical Engineering
52	Mr.	Sudhir Singh	Associate Professor	Mechanical Engineering
53	Mr.	Neeraj Kumar Maurya	Asst Professor	Mechanical Engineering
54	Mr.	Siddharth Tiwari	Asst Professor	Mechanical Engineering
55	Mr.	Shivam Tiwari	Asst Professor	Mechanical Engineering
56	Mr.	Omkar Nath Pandey	Asst Professor	Mechanical Engineering
57	Ms.	Rekha Yadav	Asst Professor	Mechanical Engineering
58	Ms..	Namrata Kriti	Asst Professor	Mechanical Engineering
59	Mr.	Piyush Saxena	Lecturer	Mechanical Engineering
60	Mr.	Shivam Anwar Tiwari	Lecturer	Mechanical Engineering
61	Mr.	Rishabh Shukla	Lecturer	Mechanical Engineering
62	Ms.	Anamika Maurya	Associate Professor	Electronics and Communications Engineering
63	Mr.	Prashant Pandey	Associate Professor	Electrical Engineering
64	Dr.	Rajendra Rao	Professor	Electrical Engineering
65	Mr.	Saurabh Kumar Bajpai	Associate Professor	Electrical Engineering
66	Ms.	Neeta Yadav	Associate Professor	Electrical Engineering
67	Mr.	Amit Tripathi	Associate Professor	Electronics Engineering
68	Mr.	Sanjay Pal	Asst Professor	Electrical Engineering
69	Ms.	Mrinalini Gupta	Asst Professor	Electrical Engineering
70	Ms.	Romee Maurya	Asst Professor	Electrical Engineering

71	Mr.	Prem Chandra Rajpoot	Asst Professor	Electrical Engineering
72	Ms.	Vijaya Mishra	Lecturer	Electrical Engineering
73	Mr.	Vijaay Gupta	Asst Professor	Electrical Engineering
74	Ms.	Km. Richa	Asst Professor	Electronics and Communications Engineering
75	Mr.	Kamlesh Kumar	Asst Professor	Electronics and Communications Engineering
76	Mr.	Amit Kumar Verma	Asst Professor	Electronics and Communications Engineering
77	Mr.	Saket Singh	Asst Professor	Electronics and Communications Engineering
78	Mr.	Praveen Kumar Goyal	Asst Professor	Electronics and Communications Engineering
79	Mr.	Bhupendra Singh	Asst Professor	Electronics and Communications Engineering
80	Mr.	Rohit Raghava	Asst Professor	Electronics and Communications Engineering
81	Mr.	Ramesh Kumar	Asst Professor	Electrical Engineering
82	Mr.	Amit Sharma	Lecturer	Electrical Engineering
83	Mr.	Priyanshu Pandey	Lecturer	Electrical Engineering
84	Dr.	Amit Kumar Srivastava	Professor	Basic and Applied Sciences (Physics)
85	Dr.	Anand Kumar Singh	Professor	Basic and Applied Sciences (Applied Chemistry)
86	Mrs.	Mamta Singh	Associate Professor	Basic and Applied Sciences (Applied Chemistry)
87	Mr.	Anil Singh	Asst Professor	Basic and Applied Sciences (Applied Chemistry)
88	Mr.	Sudhir Mishra	Asst Professor	Basic and Applied Sciences (Applied Chemistry)
89	Mr.	Tripesh Kumar Tiwari	Associate Professor	Basic and Applied Sciences (Applied Mathematics)
90	Mr.	Rakesh Shukla	Associate Professor	Basic and Applied Sciences (Applied Mathematics)
91	Mr.	Pushpendra Yadav	Asst Professor	Basic and Applied Sciences (Applied Mathematics)
92	Mr.	Aditya Mishra	Asst Professor	Basic and Applied Sciences

93	Mr.	Anil Kumar	Lecturer	Basic and Applied Sciences
94	Mr.	Amit Kumar Singh	Lecturer	Basic and Applied Sciences
95	Mrs.	Priti Singh	Lecturer	Basic and Applied Sciences
96	Mr.	Kanhai Lal	Asst Professor	Basic and Applied Sciences
97	Mr.	Nikhilesh Kumar Pandey	Asst Professor	Basic and Applied Sciences
98	Mr.	Janendra Singh	Asst Professor	Basic and Applied Sciences
99	Mr.	Manjeet Singh	Lecturer	Basic and Applied Sciences
100	Mr.	Aman Verma	Lecturer	Basic and Applied Sciences
101	Mr.	Ashish Patel	Lecturer	Basic and Applied Sciences
102	Ms.	Shraddha Yadav	Lecturer	Basic and Applied Sciences
103	Mr.	Dheerendra Kumar Yadav	Lecturer	Basic and Applied Sciences
104	Dr.	Pankaj Kumar	Associate Professor	Agriculture Engineering
105	Mr.	Prateek Sachan	Asst Professor	Agricultural Engineering
106	Mr.	Vivek Kumar Verma	Asst Professor	Agricultural Engineering
107	Mr.	Shringar Mishra	Asst Professor	Agricultural Engineering
108	Mr.	Rakesh Verma	Asst Professor	Agricultural Engineering
109	Dr.	Ashray Jaiswal	Associate Professor	Humanities and Management
110	Dr.	Arun Kumar	Associate Professor	Humanities and Management
111	Ms.	Anuja Singh	Asst Professor	Humanities and Management
112	Dr.	Swati Singh	Asst Professor	Humanities and Management
113	Mr.	Shailendra Kumar Singh	Associate Professor	Humanities and Management
114	Mr.	Abhishek Singh	Asst Professor	Humanities and Management
115	Mr.	Raj Kumar	Asst Professor	Humanities and Management
116	Mr.	Karamveer Singh	Asst Professor	Humanities and Management

117	Ms.	Barkha Thapa	Asst Professor	Humanities and Management
118	Mrs.	Payal Jais Bhatnagar	Asst Professor	Humanities and Management
119	Mr.	Surya Prakash Patel	Asst Professor	Humanities and Management
120	Mr.	Shyam Pratap Singh	Asst Professor	Humanities and Management
121	Ms.	Richa Singh	Asst Professor	Humanities and Management
122	Mr.	Pradeep Kesarwani	Associate Professor	Humanities and Management
123	Ms.	Minakshi Mishra	Asst Professor	Humanities and Management
124	Ms.	Preeti Kumari	Asst Professor	Humanities and Management
125	Mr.	Ravi Shankar Soni	Asst Professor	Humanities and Management
126	Mr.	Mohd Ansari	Asst Professor	Humanities and Management
127	Mr.	Sanjay Rajbhar	Asst Professor	Humanities and Management
128	Mr.	Varshan Dakshit	Asst Professor	Humanities and Management
129	Ms.	Shikha Pal	Asst Professor	Humanities and Management
130	Ms.	Himanshi	Asst Professor	Information Technology

8. PROFILE OF DIRECTOR

Prof. (Dr.) Ravi Shanker Mishra

Career Objective

To strike a balance between organizational development and personal achievement through academic excellence, professional integrity, and effective administrative leadership.

Educational Qualifications

- **Ph.D.** – Dr. A.P.J. Abdul Kalam Technical University (AKTU), 2023
- **M.Tech (Civil Engineering)** – KNIT Sultanpur, U.P., 2014 (73.00%)
- **B.Tech (Civil Engineering)** – Regional Engineering College, Warangal, 1984 (65.87%, First Division)
- **B.Sc.** – Avadh University, Faizabad, 1979 (62.2%, First Division)
- **Intermediate** – U.P. Board, 1977 (69%, First Division)
- **High School** – U.P. Board, 1975 (63.3%, First Division)

Professional Experience

Total Experience: 35+ Years (Industry + Academics)

Industrial Experience (1986–2010)

- Worked for **24 years** with U.P. State Sugar Corporation Ltd. as Assistant Engineer Civil/Senior Engineer Civil.
- Experience includes:
  - Turn-key erection of five sugar factories
  - Construction of factory buildings, machinery foundations, and pipelines
  - Development of two townships including residential and office infrastructure
  - Contracts management and government procedures
  - Maintenance of industrial/residential buildings and infrastructure

Academic Experience

- Sr. Lecturer – Sri Ram Swaroop Memorial College of Engineering & Management (Oct 2010–July 2011)
- Assistant Professor – Bansal Institute of Management & Technology (July 2011–July 2012)
- Head, Civil Engineering Department – Ambalika Institute of Management & Technology (July 2012–07 Apr 2022)
- Dean Academics – AIMT (08 Apr 2022 onwards)
- Dy. Director – BSSITM, Nigohan (Since 01 Feb 2024)
- Part-time Lecturer – Govt. Polytechnic (7 months)
- Assistant Professor – Globus Institute of Technology (1 month)

Research & Accreditation

- Published **10+ research papers** in international journals.
- Extensive experience in **NBA Accreditation**, contributed to accreditation achievements of AIMT (2019 & 2022).

Areas of Expertise

- Construction Management & Contracts Administration
- Industrial & Township Infrastructure Development
- Academic Administration & Institutional Governance
- Teaching and Curriculum Development in Civil Engineering

Subjects of Interest

Strength of Materials, RCC, Applied Mechanics, Steel Structures, Geotechnical Engineering, Construction Technology & Management, Building Materials & Construction.

General Information

- **Father's Name:** Late R. R. Mishra
- **Date of Birth:** 15 May 1961
- **Permanent Address:** 632/568 Ajai Nagar, Kamta, Chinhat, Lucknow – 226028
- **Mobile:** 9412648060, 8953853822
- **E-mail:** ravishankermishra1960@gmail.com

Date – 02.05.2025 (RAVI SHANKAR MISHRA)

9. ADMISSION

Number of applications received for the academic Session (2025–26) for admission under Management Quota. During the academic session 2025–26, approximately 524 applications were received for admission to B.Tech. (First Year and Lateral Entry) programmes under the Management Quota/leftover seats. Out of these, 301 students were granted admission.

Similarly, approximately 52 applications were received for admission to the M.Tech. programme under the Management Quota/leftover seats, out of which 19 students were admitted.

128 admissions to the Diploma programmes were conducted through JEECUP counselling.

Number of Seat sanctioned course wise with students admitted.

Level	Courses	1st Year of approval by AICTE (give approval ref. no.& date)	2025-26			2024-25			2023-24			Status of Accreditation
			Sanctioned Intake	Actual admissions in 1st Year	Actual admissions in 2nd Year (Lat.)	Sanctioned Intake	Actual admissions in 1st Year	Actual admissions in 2nd Year (Lat.)	Sanctioned Intake	Actual admissions in 1st Year	Actual admissions in 2nd Year (Lat.)	
UG (B. Tech)	Civil Engineering	F.No. Northern/1- 4365650319/2024/EOA	**60**	10	32	**60**	13	21	**60**	05	24	NA
	Computer Science and Engineering		**60**	49	12	**60**	60	15	**60**	50	13	
	Information Technology		**30**	10	03	**30**	05	09	**30**	21	22	
	Electrical Engineering		**30**	13	27	**30**	10	16	**30**	08	29	
	Electronics and Communication Engineering		**60**	01	27	**60**	00	06	**60**	02	20	
	Agricultural Engineering		**60**	44	01	**60**	31	00	**60**	35	0	
	Mechanical Engineering		**60**	04	36	**60**	11	11	**60**	11	16	
	Artificial Intelligence and Machine Language		**30**	21	11	**30**	16	NA	**NA**	NA	NA	
PG (M. Tech)	Computer Science and Engineering		**24**	18	NA	**24**	06	NA	**24**	10	NA	
	Electronics and Communication Engineering		**24**	01	NA	**24**	01	NA	**24**	00	NA	
Diploma	Electrical Engineering		**60**	33	07	**60**	22	08	**60**	28	02	
	Mechanical Engineering		**60**	30	06	**60**	26	04	**60**	25	03	
	Civil Engineering		**30**	22	03	**30**	16	06	**30**	13	02	
	Computer Science and Engineering		**30**	25	02	**30**	03	NA	**NA**	NA	NA	

10. ADMISSION PROCEDURE

All admissions to the B.Tech. programmes are conducted every year through Uttar Pradesh Technical Admission Counselling (UPTAC), Lucknow.

Address:
Uttar Pradesh Technical Admission Counselling (UPTAC)
Sector-11, Jankipuram Vistar Yojana, Lucknow, Uttar Pradesh

Website: https://uptac.admissions.nic.in/

Admissions to the Diploma programmes are conducted through Joint Entrance Examination Council, Uttar Pradesh (JEECUP).

Website: https://jeecup.admissions.nic.in/

The National Testing Agency (NTA) acts as the testing agency for both admission processes.

Admission Test Followed	Courses	Test Agency	URL
JEE Mains	B.Tech.	NTA	https://jeemain.nta.nic.in/information
CUET	B.TECH. (Agricultural Engineering)	NTA	https://cuet.nta.nic.in/
CUET	Diploma	NTA	https://jeecup.admissions.nic.in/

Calendar for Admission against Vacant Seat through Management quota:

April to August

i. Last date of request for applications
ii. Last date of submission of applications
iii. Dates for announcing final results
iv. Release of admission list (main list and waiting list shall be announced on the same day)
v. Date for acceptance by the candidate (time given shall in no case be less than15 days)
vi. Last date for closing of admission
vii. Starting of the Academic session
viii. The waiting list shall be activated only on the expiry of date of main list
ix. The policy of refund of the Fee, in case of withdrawal, shall be clearly notified

11. CRITERIA AND WEIGHTAGE FOR ADMISSION

A. Eligibility Criteria for B. Tech Courses:

S. No.	Type of the Programme	Duration (Full- time)	Minimum Qualifications for Admission
1	Engineering & Technology	4 Years	Should be pass in 10+2 examination with Physics and Mathematics as compulsory subjects along with one of the following subjects: "Chemistry/ Biotechnology/Biology /Technical Vocational Subject securing minimum 45% Gen/OBC and 40% marks for SC/ST category in aggregate in three Subjects.

Candidates are required to appear in the National Level Entrance Examination conducted by the National Testing Agency (NTA), namely CUET/JEE (Main).

B. Eligibility Criteria for M. Tech Courses:

S. No.	Type of the Programme	Duration (Full- time)	Minimum Qualifications for Admission
1	Engineering & Technology	2 Years	GATE CUET PG -2025 Institute Level Exam

Candidates are required to appear in the Graduate Aptitude Test in Engineering (GATE), a national-level entrance examination conducted jointly by the Indian Institutes of Technology (IITs) and the Indian Institute of Science (IISc) on behalf of the Ministry of Education, Government of India. The examination is conducted annually by one of the IITs or IISc on a rotational basis. After completion of counselling, admissions against vacant seats may be carried out at the institute level through an entrance examination, as per applicable norms.

C. Eligibility Criteria for Diploma Courses:

S. No.	Type of the Programme	Duration (Full- time)	Minimum Qualifications for Admission
1	Diploma	3 Years	Should be pass in 10^{th} examination.

Candidates are required to appear in the Joint Entrance Examination Council (Polytechnic), Uttar Pradesh (JEECUP), in addition to fulfilling the prescribed eligibility qualifications, for admission to Diploma courses.

12. ADMISSION AGAINST CACANT SEATS UNDER MANAGEMENT QUOTA

- The Admission Committee, comprising the Director, Registrar, and Chairman of the Institute, conducts admissions under the Management Quota in accordance with the guidelines laid down by UPTAC/AKTU/State Government.
- Fifteen percent (15%) of the total approved intake shall be filled by the Institute under the Management Quota as per the norms prescribed by UPTAC and the State Government.
- Vacant seats remaining after UPTAC counselling shall be filled by the Institute strictly in accordance with the norms and guidelines issued by UPTAC and the State Government.

13. INFORMATION OF INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

A. Details and Number of Rooms/Labs with Area (m^2)

Room Type	No. of Rooms	Area (m^2)
Class Rooms	31	2161
Tutorial Rooms	16	585.18
Laboratories	56	5118
Computer Centers	05	960
ICT Class Rooms	02	132

B. Online Examination Facility

Number of PCs: 360

Internet band width:300 Mbps

C. Hostel Facilities

S. No.	Name of Hostel	No. of Rooms	Capacity
1	Vivekanand Boys' Hostel	78	150
2	Saraswati Girls' Hostel	36	80

D. Library and Internet

The Central Library of Babu Sunder Singh Institute of Technology and Management, Nigohan, Lucknow, established in 2010, serves as the academic hub of the Institute, providing modern facilities and comprehensive resources to support teaching, learning, and research activities. Located in the Administrative Block, the fully digitized library offers access to both print and electronic resources, creating an ideal learning environment for users. The library is automated using KOHA Library Management Software and maintains a rich collection of books, journals, e-books, e-journals, and reference materials. Managed by qualified and experienced professionals, the library delivers accessible and cost-effective information services across diverse disciplines and academic levels.

Important Facilities and Services

- Ask-A-Librarian
- Wi-Fi accessible across the library
- Library-resources Remote Access
- User Orientation Program

Library Infrastructure and Usage Statistics

- Number of seats of in reading space : 100
- Number of users (Issue books) : 100 per day
- Number of visitors in the library : 150 per day
- Library working hours : 9.00 AM to 6.00 PM
- Availability of qualified librarian and other staff, Library automation, Online Access networking
- Number of library staff : 04
- Number of library staff with a degree In Library Management : 02
- Computerization of search, indexing, : Yes (issue/return/foot fall)
- Barcoding used : Yes
- Library services on internet : Yes
- Membership : Delnet, NDLI & KOHA

The following services are available for users of the library

- LAN/WAN connectivity
- Automated Services
- Reference Service (Encyclopedias, Dictionaries etc.)
- Digital Library (Multimedia)
- Online Journals
- OPAC (Online Public Access Catalogue)
- Power back–up
- Departmental Libraries
- NPTEL Video Lectures
- e-Books

- Information Display
- User Orientation
- Circulation
- Automated Foot Fall

Quality of Learning Resources

No. of Available	B.Tech.	Diploma	E Books (Delnet)	Total
Titles	5000	510	701	6211
Volumes	18416	8571	4593	31580

- ❖ Number of available national Print Journals : 15
- ❖ Number of available national e-journals : 519
- ❖ Number of International Journals : 66
- ❖ Availability of news papers : 05

E. IT Infrastructure

Name of the Internet provider	BSNL
Available band width	300 Mbps
Wi Fi availability	Yes, whole campus
Internet accession Labs, classrooms, library and offices of all Departments	Yes, All computer laboratories and departments are connected through Cat-6 LAN cabling. Wi-Fi devices have been installed in corridors and hostels to provide internet access across the entire campus. The library is also equipped with multiple computer systems with internet facilities for users.
Security arrangements	The network is secure with the help of Antivirus (Quick Heal), Firewall settings and also password enabled user access.

F. Barrier Free Facility Especially abled Students and Elderly persons

The Institute provides a barrier-free and inclusive environment for especially abled students and elderly persons through accessible infrastructure and support facilities. Ramps with handrails, wheelchair-accessible pathways, lifts, and differently-abled friendly washrooms are available in major buildings.

G. Fire and Safety Measures

The institution has obtained a valid Fire and Safety Certificate issued by the competent authority, ensuring compliance with prescribed fire safety norms. Regular inspections and safety measures are maintained to provide a safe and secure campus environment.

H. Institution's Innovation and Students Activity Council

The council promotes innovation, creativity, and entrepreneurship among students by organizing workshops, competitions, project exhibitions, and technical activities.

It encourages student participation in co-curricular and extracurricular activities to enhance leadership skills, teamwork, and overall personality development.

Sports: For the overall development and physical well-being of students, the Institute provides adequate indoor and outdoor sports facilities. The campus offers opportunities to participate in various games such as Football, Cricket, Volleyball, Lawn Tennis, Badminton, and several other sports activities, encouraging teamwork, fitness, and sportsmanship among students.

Teaching Learning Process:

The Institute adopts innovative and student-centric teaching–learning practices to enhance academic excellence. Interactive classrooms and the case method of teaching are used to promote analytical thinking and practical understanding. Modern teaching aids, audio-visual classrooms, and instructional videos on various subjects support effective learning. Group discussions and student presentations are regularly conducted to improve communication and teamwork skills. The Institute also invites guest faculty and industry experts for expert lectures, organizes industrial visits to provide practical exposure, and facilitates summer training programs to bridge the gap between academic learning and industry requirements.

Project Work

The Institute ensures detailed and systematic coverage of the prescribed syllabus along with exposure to topics beyond the curriculum to enhance students' knowledge and skills. Personality development programs are regularly organized to improve communication, leadership, and professional competencies. A well-designed academic calendar is prepared and implemented effectively to maintain academic discipline and timely completion of activities. Faculty Development Programs are conducted both on campus and off campus to enhance teaching and research capabilities. The Institute also promotes academic enrichment through seminars, workshops, and research activities. In addition, various extracurricular activities are organized to encourage students' overall development, creativity, and active participation beyond academics.

Seminar: The students have created various societies and through these societies they conduct seminars and conferences at regular intervals. This enables them to improve their communication and organizing ability.

Cultural Activities: Students are encouraged and provided necessary facilities and guidance to conduct cultural programs, to develop & display their talents. The cultural activities are carried out at regular in travels without affecting programs. The welcome party for the first year and farewell party for the final year students are conducted regularly.

Syllabus for B. Tech Program (Theory and Practical)

Detailed syllabus for Theory and Practical of the B.Tech Programme, approved by the Board of Studies and Academic Council of the affiliating university (AKTU), is available at the given hyperlink. Please click the link below:

- For **B.Tech. 1st Year (Common to ALL Branches EXCEPT Agriculture Engineering)** https://aktu.ac.in/pdf/syllabus/syllabus2223/Syllabus_BTech_First_Yr_Common_other_than_AG_&_BT_effective_from_2022_23_R.pdf
- For **B.Tech. 1st Year (Agriculture Engineering)** https://aktu.ac.in/pdf/syllabus/syllabus2223/Syllabus_B.Tech._First_Yr_Agriculture_Engg_effective_from_2022_23_R.pdf
- For B. Tech 2nd Year https://aktu.ac.in/syllabus%202023-2024.html
- For B. Tech 3rd Year https://aktu.ac.in/syllabus%202024-2025.html
- For B. Tech Final Year https://aktu.ac.in/syllabus%202025-2026.html

List of Major Equipment/Facilities in Departmental Laboratories/Workshop

Information Technology

A. Data Structure Lab

2GB or more RAM, modern multi-core processor (e.g., Intel i5/i7 or Ryzen), programs in languages: Python, Java, C/C++, IDEs/Editors: Visual Studio Code, PyCharm, Eclipse or IntelliJ IDEA, Jupyter Notebook.

B. Computer Organization and Architecture Lab

Multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), RAM: minimum 8GB, operating systems: Linux (preferably Ubuntu), Windows, virtual machines (VMs).

C. Web Designing Workshop Lab

Processor: modern multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), RAM: at least 2GB, web browsers: Google Chrome, Mozilla Firefox, Safari, Microsoft Edge, text editors and IDEs for coding: Visual Studio Code (VS Code), Sublime Text, Atom, WebStorm.

D. Operating System Lab

Modern multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), RAM: at least 2GB of RAM, virtualization software: VirtualBox, VMware Workstation, Hyper-V, Docker, C++/C.

E. Object Oriented Programming with Java Lab

Modern multi-core processor (e.g., Intel i5/i7 or AMD Ryzen), at least 2GB of RAM is necessary, integrated development environments (IDEs): Eclipse, IntelliJ IDEA, NetBeans, JDeveloper, BlueJ.

F. Cyber Security Workshop Lab

Modern multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), at least 2GB of RAM, virtualization software: VMware Workstation/VMware Player, VirtualBox, Hyper-V, Docker, network infrastructure and equipment: routers and switches, firewalls, network cables, network interface cards (NICs), access points (Wi-Fi), security and privacy simulators: Hack The Box (HTB), TryHackMe, OverTheWire (WarGames).

G. Database Management System Lab

Multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), at least 2GB of RAM, database management software: MySQL, PostgreSQL, Oracle Database, Microsoft SQL Server, NoSQL databases: MongoDB, Cassandra, Redis.

H. Artificial Intelligence Lab

Multi-core processors (e.g., Intel i7/i9 or AMD Ryzen), graphics processing unit (GPU), at least 16GB of RAM, AI development frameworks and libraries: TensorFlow, PyTorch, Keras, MXNet, machine learning libraries: Scikit-learn, XGBoost, LightGBM.

I. Design analysis and algorithm Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, operating systems: macOS, Windows, Linux, algorithm simulation software and tools: Eclipse, NetBeans, Visual Studio Code, PyCharm, IntelliJ IDEA.

J. Software Engineering Lab

Multi-core processors such as Intel i7/i9 or AMD Ryzen, 16GB or more RAM for optimal performance, storage: SSD (solid-state drive), graphics card (GPU), integrated development environments (IDEs): Visual Studio, Eclipse, PyCharm, Android Studio, software development tools: Git, GitHub/GitLab/Bitbucket, SVN (Subversion), Maven/Gradle, Vagrant.

K. Machine Learning Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, operating systems: macOS, Windows, Linux, integrated development environments (IDEs): Visual Studio, Eclipse, IntelliJ IDEA, PyCharm, Xcode, NetBeans.

L. Computer Networks Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, operating systems: macOS, Windows, virtualization software, network devices: routers, switches, hubs, firewalls.

M. Software Testing Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, test management tools: JIRA, TestRail, Quality Center (HP ALM), Redmine, performance testing tools: JMeter, Load Runner, Gatling, Neo Load.

ELECTRONICS & COMMUNICATION ENGINEERING

A. **Electronic Devices Lab**

CRO, Multimeter, Function Generator, Power Supply, Active & Passive Components, Bread Board, P-N Junction Diode Kit, P-N Junction Diode Application Kit (HWR, FWR, Bridge Rectifier), Zener Diode Kit, Photodiode, Multimeter, Power Supply, Capacitor Plate, Multimeter, Zener Diode Application Kit (Voltage Regulator), Characteristic of BJT Kit (CE, CB, CC), Study of Field Effect Transistor Single Stage Common Source FET Amplifier – plot of gain in dB vs frequency, measurement of bandwidth, Study of Single Stage MOSFET Amplifier – plot of gain in dB vs frequency, measurement of bandwidth and input impedance, Simulink Software.

B. **Digital System Design Lab**

TTL ICs trainer kits, Boolean function trainer kits, Flip-flops trainer kits, Decoder trainer kits, Encoder trainer kits, Multiplexer trainer kits, Demultiplexer trainer kits, 4-bit parallel adder trainer kits, 4-bit synchronous counter trainer kits, and 4-bit asynchronous counter trainer kits.

C. **Network Analysis and Synthesis lab**

Kirchhoff's laws kit, Superposition theorem kit, Thevenin's theorem kit, Tellegen's theorem kit, measurement of power and power factor in a single-phase AC series inductive circuit, study of the phenomenon of resonance in an RLC series circuit kit, AC single-phase series RLC circuit kit, cut-off frequency of low-pass and high-pass filters, pass band frequencies of band-pass filters, and stop band frequencies of band-reject filters.

D. **Communication Engineering Lab**

DSB/SSB amplitude modulation kit, study of amplitude demodulation using a linear diode detector, frequency modulation kit, study of sampling and reconstruction of pulse amplitude modulation system, study of pulse amplitude modulation kit, PAM signal generation kit, pulse width modulation and pulse position modulation kit, pulse code modulation and demodulation kit, delta modulation and demodulation technique kit, generation of square wave with the help of fundamental frequency, ASK modulator and demodulator kit, FSK modulator and demodulator kit, PSK modulator and demodulator kit, study of single-bit error detection and correction using Hamming code, study of quadrature phase shift keying modulator and demodulator, and MATLAB lab.

E. **Analog Circuits Lab**

BJT in various configurations kit, CE configuration trainer kit, multi-stage amplifiers trainer kit, study of feedback topologies, measurement of Op-Amp parameters, applications of Op-Amp kits, field effect transistor oscillator kits, study of sinusoidal oscillators, study of LC oscillators, study of non-sinusoidal oscillators, simulation-based experiments, study of analog-to-digital converter, and study of digital-to-analog converter.

F. **Signal System Lab**

Computer based programs using MAT lab

G. **Integrated Circuits Lab**

Virtual lab based experiments, log and antilog amplifiers trainer kit, voltage-to-current and current-to-voltage converters kit, virtual lab based experiments, band-pass filter with unit gain kit, voltage comparator and zero crossing detector kit, function generator, virtual lab based experiments, virtual lab based experiments, virtual lab based experiments, virtual lab based experiments, and ramp generator using IC 566.

H. **Microprocessor & Microcontroller Lab**

8085 microprocessor kit, 8086 microprocessor kit, RS-232 interface kit, virtual lab based experiments, 8051 microcontroller kits, and Simulink software.

I. **Digital Signal Processing Lab**

Computer based programs using MAT lab, Virtual Lab based programs using MAT lab

J. **Digital Communication Lab**

Study of eye diagram patterns, study of intersymbol interference, unipolar RZ and NRZ line

coding kit, polar RZ and NRZ line coding kit, generation of bipolar RZ and NRZ line coding kit, BASK modulation and demodulation kit, BFSK modulation and demodulation kit, virtual lab experiments, virtual lab experiments, MATLAB-based experiments, MATLAB-based experiments, delta modulation and demodulation kit, DSSS modulation kit, FHSS kit, encoding and decoding of linear block codes, and convolution encoder kit.

K. **Control System Lab**

Computer based programs using MAT lab, Virtual Lab based programs using MAT lab

L. **Antenna and Wave Propagation Lab**

Omni directional antenna, gain meter, linear antenna, parabolic reflector antenna, log-periodic antenna, helical antenna, slot antenna, and micro strip patch antenna.

M. **Microwave &Radar Engineering Lab**

Microwave Test bench & Gunn Diode

Computer Science and Engineering

A. Data Structure Lab

2GB or more RAM, modern multi-core processor (e.g., Intel i5/i7 or Ryzen), programs in languages: Python, Java, C/C++, IDEs/Editors: Visual Studio Code, PyCharm, Eclipse or IntelliJ IDEA, Jupyter Notebook.

B. Computer Organization and Architecture Lab

Multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), RAM: minimum 8GB, operating systems: Linux (preferably Ubuntu), Windows, virtual machines (VMs).

C. Web Designing Workshop Lab

Processor: modern multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), RAM: at least 2GB, web browsers: Google Chrome, Mozilla Firefox, Safari, Microsoft Edge, text editors and IDEs for coding: Visual Studio Code (VS Code), Sublime Text, Atom, WebStorm.

D. Operating System Lab

Modern multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), RAM: at least 2GB of RAM, virtualization software: VirtualBox, VMware Workstation, Hyper-V, Docker, C++/C.

E. Object Oriented Programming with Java Lab

Modern multi-core processor (e.g., Intel i5/i7 or AMD Ryzen), at least 2GB of RAM is necessary, integrated development environments (IDEs): Eclipse, IntelliJ IDEA, NetBeans, JDeveloper, BlueJ.

F. Cyber Security Workshop Lab

Modern multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), at least 2GB of RAM, virtualization software: VMware Workstation/VMware Player, VirtualBox, Hyper-V, Docker, network infrastructure and equipment: routers and switches, firewalls, network cables, network interface cards (NICs), access points (Wi-Fi), security and privacy simulators: Hack The Box (HTB), TryHackMe, OverTheWire (WarGames).

G. Database Management System Lab

Multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), at least 2GB of RAM, database management software: MySQL, PostgreSQL, Oracle Database, Microsoft SQL Server, NoSQL databases: MongoDB, Cassandra, Redis.

H. Artificial Intelligence Lab

Multi-core processors (e.g., Intel i7/i9 or AMD Ryzen), graphics processing unit (GPU), at least 16GB of RAM, AI development frameworks and libraries: TensorFlow, PyTorch, Keras, MXNet, machine learning libraries: Scikit-learn, XGBoost, LightGBM.

I. Design analysis and algorithm Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, operating systems: macOS, Windows, Linux, algorithm simulation software and tools: Eclipse, NetBeans, Visual Studio Code, PyCharm, IntelliJ IDEA.

J. Software Engineering Lab

Multi-core processors such as Intel i7/i9 or AMD Ryzen, 16GB or more RAM for optimal performance, storage: SSD (solid-state drive), graphics card (GPU), integrated development environments (IDEs): Visual Studio, Eclipse, PyCharm, Android Studio, software development tools: Git, GitHub/GitLab/Bitbucket, SVN (Subversion), Maven/Gradle, Vagrant.

K. Machine Learning Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, operating systems: macOS, Windows, Linux, integrated development environments (IDEs): Visual Studio, Eclipse, IntelliJ IDEA, PyCharm, Xcode, NetBeans.

L. Computer Networks Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, operating systems: macOS, Windows, virtualization software, network devices: routers, switches, hubs, firewalls.

M. Software Testing Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, test management tools: JIRA, TestRail, Quality Center (HP ALM), Redmine, performance testing tools: JMeter, LoadRunner, Gatling, NeoLoad.

Artificial Intelligence & Machine Learning

A. Data Structure Lab

2GB or more RAM, modern multi-core processor (e.g., Intel i5/i7 or Ryzen), programs in languages: Python, Java, C/C++, IDEs/Editors: Visual Studio Code, PyCharm, Eclipse or IntelliJ IDEA, Jupyter Notebook.

B. Computer Organization and Architecture Lab

Multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), RAM: minimum 8GB, operating systems: Linux (preferably Ubuntu), Windows, virtual machines (VMs).

C. Web Designing Workshop Lab

Processor: modern multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), RAM: at least 2GB, web browsers: Google Chrome, Mozilla Firefox, Safari, Microsoft Edge, text editors and IDEs for coding: Visual Studio Code (VS Code), Sublime Text, Atom, WebStorm.

D. Operating System Lab

Modern multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), RAM: at least 2GB of RAM, virtualization software: VirtualBox, VMware Workstation, Hyper-V, Docker, C++/C.

E. Object Oriented Programming with Java Lab

Modern multi-core processor (e.g., Intel i5/i7 or AMD Ryzen), at least 2GB of RAM is necessary, integrated development environments (IDEs): Eclipse, IntelliJ IDEA, NetBeans, JDeveloper, BlueJ.

F. Cyber Security Workshop Lab

Modern multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), at least 2GB of RAM, virtualization software: VMware Workstation/VMware Player, VirtualBox, Hyper-V, Docker, network infrastructure and equipment: routers and switches, firewalls, network cables, network interface cards (NICs), access points (Wi-Fi), security and privacy simulators: Hack The Box (HTB), TryHackMe, OverTheWire (WarGames).

G. Database Management System Lab

Multi-core processors (e.g., Intel i5/i7 or AMD Ryzen), at least 2GB of RAM, database management software: MySQL, PostgreSQL, Oracle Database, Microsoft SQL Server, NoSQL databases: MongoDB, Cassandra, Redis.

H. Artificial Intelligence Lab

Multi-core processors (e.g., Intel i7/i9 or AMD Ryzen), graphics processing unit (GPU), at least 16GB of RAM, AI development frameworks and libraries: TensorFlow, PyTorch, Keras, MXNet, machine learning libraries: Scikit-learn, XGBoost, LightGBM.

I. Design analysis and algorithm Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, operating systems: macOS, Windows, Linux, algorithm simulation software and tools: Eclipse, NetBeans, Visual Studio Code, PyCharm, IntelliJ IDEA.

J. Software Engineering Lab

Multi-core processors such as Intel i7/i9 or AMD Ryzen, 16GB or more RAM for optimal performance, storage: SSD (solid-state drive), graphics card (GPU), integrated development environments (IDEs): Visual Studio, Eclipse, PyCharm, Android Studio, software development tools: Git, GitHub/GitLab/Bitbucket, SVN (Subversion), Maven/Gradle, Vagrant.

K. Machine Learning Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, operating systems: macOS, Windows, Linux, integrated development environments (IDEs): Visual Studio, Eclipse, IntelliJ IDEA, PyCharm, Xcode, NetBeans.

L. Computer Networks Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, operating systems: macOS, Windows, virtualization software, network devices: routers, switches, hubs, firewalls.

M. Software Testing Lab

Multi-core processors such as Intel i5/i7 or AMD Ryzen, minimum of 8GB RAM, SSD with at least 256GB, test management tools: JIRA, TestRail, Quality Center (HP ALM), Redmine, performance testing tools: JMeter, LoadRunner, Gatling, NeoLoad.

Mechanical Engineering

A. **Fluid Mechanics Lab**

Impact of vanes machine, orifice meter, discharge of notch (V and rectangular types), friction factor for pipes machine, Venturi meter setup, and Bernoulli's theorem proving setup, Critical Reynolds number for pipe flow, metacentric height of a floating body, minor losses due to sudden enlargement, sudden contraction and bends, and velocity and pressure variation with radius in a forced flow.

B. **Material Testing Lab**

UTM machine with alloy steel workpiece, impact testing machine such as Charpy and Izod with alloy steel workpiece, Rockwell and Vickers/Brinell testing machines with indenters (diamond and steel) and workpieces, fatigue testing machine, creep testing machine, non-destructive testing (NDT) methods such as magnetic flaw detector, ultrasonic flaw detector, eddy current testing machine, and dye penetrant testing setup, LAMMPS (LAMMPS Molecular Dynamics Simulator), and 3D printing setup.

C. **Computer Aided Machine Drawing-I lab**

Auto CADD 2-D and 3-D software

D. **Applied Thermodynamic Lab**

Fire tube boiler model, water tube boiler model, 2-stroke petrol engine model, 2-stroke diesel engine model, 4-stroke petrol engine model, 4-stroke diesel engine model, Morse test apparatus, diesel engine test rig, petrol engine test rig, steam engine model, impulse and reaction turbine model, and gas turbine model.

E. **Manufacturing Process Lab**

Making of pattern (wax/wooden), preparation of mould and casting, lathe machine, tool grinder machine, milling machine, surface grinding machine, drilling machine, study of tool wear and tool life, jigs and fixtures, gas welding experiment, arc welding experiment, resistance welding experiment, soldering and brazing experiment, and unconventional machining (any one among laser cutting, CO_2 cutting, ECM, EDM, etc.).

F. Computer Aided Machine Drawing

Auto CADD 2-D and 3-D Software

G. Heat Transfer Lab

Thermal conductivity of conductive and insulating material setup, heat conduction through lagged pipe equipment, heat transfer through fin under natural convection, heat transfer rate and temperature distribution for a pin fin, thermal conductivity of different types of fluids equipment, Stefan's law setup for determination of emissivity, convective heat transfer through flat plate solar collector, LMTD and effectiveness of parallel and counter flow heat exchangers, heat transfer coefficient for forced convection in a tube, heat transfer coefficient for free convection in a tube, and experiments on heat pipe.

H. Machine Design Lab

C/C++/MAT LAB Software, 8GB RAMCORE i5 PROCESSOR & AUTO CAD software.

I. Internet Of Things Lab

Microcontroller and sensors, mechanical devices, Arduino/Raspberry Pi software, motor, interface sensors, interface OLED, relay, linear actuator, and smartphone using Bluetooth.

J. Refrigeration And Air Conditioning Lab

Calibrated thermometers, flowmeter, solar collector setup, refrigeration test rig, sling psychrometer, vapor absorption apparatus, air washer, desert cooler, tube cutter, tube bender, flaring tool, swaging tool, pinch-off tool, window air conditioning unit, hermetically sealed compressor, and control devices in refrigeration.

K. CAD/CAM Lab

Auto CADD software & Turning CNC machine

L. Theory of Machine Lab

Kinematic links, pairs, chains and mechanisms, Whitworth quick return motion mechanism, reciprocating engine mechanism and oscillating engine mechanism, inversions of single, double and four-bar linkage, gears (helical, cross helical, worm and bevel gears) and gear profiles (involute and cycloidal), gear trains, gyroscopic model, governors, static and dynamic balancing, brake and clutch, and longitudinal/transverse vibration machine.

M. Measurement& Metrology Lab

Screw thread, slip gauges, limit gauges, bevel protractor, comparators, coordinate measuring machine (CMM), dial indicator, strain gauges, various thermometers, and LVDT (Linear Variable Differential Transformer).

Agriculture Engineering

A. **Soil Mechanics and Engineering Mechanics labs**

Ccompaction molds and rammers, CBR apparatus, shear boxes, Casagrande liquid limit device, pycnometers, permeability apparatus, triaxial cells, penetrometers, sieves, and measuring tools for Soil Mechanics, and trusses and cantilever setups, beams with loading mechanisms, dial gauges, proving rings, strain gauges, weights, pulleys, spring balances, gyroscope and governor models, linkages, and gear train models for Engineering Mechanics.

B. **Elementary Agriculture & Surveying and Levelling Lab**

Prismatic compasses, dumpy or auto levels, Vernier and electronic theodolites, total stations, GPS devices, mirror stereoscopes, measuring tapes and chains, levelling staffs, plane tables, alidades, ranging rods, survey pins, plotting sheets, and GIS software for data analysis and mapping.

C. **Strength of Materials & Engineering Mechanics Lab**

Universal testing machines (UTM), compression testing machines (CTM), Brinell and Rockwell hardness testers, Charpy and Izod impact testers, dial gauges, vernier calipers, micrometers, load cells, displacement transducers, beams with loading setups, weight hangers, trusses and cantilever setups, strain gauges, proving rings, pulleys, spring balances, gyroscope and governor models, linkages, and various gear train models.

D. **Fluid Mechanics & Open Channel Hydraulics Lab**

Impact of jet apparatus, Venturi meter, orifice meter, bend meter, Bernoulli’s apparatus, Reynolds number apparatus, Pitot tube and hot-wire anemometer, wind tunnel, centrifugal pump setup, Pelton wheel, Francis turbine, Kaplan turbine, flumes and tilting flumes, rectangular and V-notch weirs, broad-crested weirs, hook gauges, point gauges, calibrated collecting tanks, and measuring scales.

E. **Soil, Water conservation Engineering and Watershed Hydrology Lab**

Compaction molds and rammers, CBR apparatus, shear boxes, Casagrande liquid limit device, pycnometers, permeability apparatus, triaxial cells, penetrometers, sieves, measuring cylinders, flow flumes, tilting flumes, V-notch and rectangular weirs, broad-crested weirs, hook gauges, point gauges, calibrated collecting tanks, stopwatches, and soil and water analysis tools.

F. **Theory of Machine and Machine Design Lab**

Trusses and cantilever setups, Whitworth quick-return mechanism, reciprocating and oscillating engine models, single and double slider crank mechanisms, four-bar and six-bar linkages, gear trains (spur, helical, bevel, worm, and rack & pinion), cam and follower setups, flywheels, governors, dynamometers, dial indicators, strain gauges, tachometers, and measuring tools like vernier calipers and micrometers.

G. **Post Harvest Engineering of Cereals, Pulses & Oil Seeds Lab**

Moisture meters, grain cleaners, graders and sieves, sample splitters, hammer mills, pulverizers, seed separators, dehullers, aspirators, laboratory-scale rice and pulse processing units, compression and crushing apparatus, storage bins, weighing balances, ovens, and seed moisture and quality testing kits.

H. **Farm Machinery and Equipment Lab**

Tractors and tractor attachments, ploughs, harrows, cultivators, seed drills, planters, rotavators, threshers, harvesters, power tillers, irrigation pumps, sprayers, rotors, diesel engines, gearboxes, dynamometers, tachometers, and measuring tools for field performance and efficiency testing.

I. **Thermodynamics, Refrigeration and Air Conditioning Lab**

Refrigeration test rigs, vapor compression and absorption refrigeration units, air conditioning test setups, calorimeters, boilers, steam turbines, reciprocating and rotary compressors, heat exchangers, thermometers, pressure gauges, flow meters, anemometers, humidity measuring instruments, LVDTs, and temperature and pressure sensors.

J. **Irrigation & Drainage Engineering Lab**

Flumes and tilting flumes, V-notch and rectangular weirs, broad-crested weirs, hook gauges, point gauges, calibrated collecting tanks, stopwatches, centrifugal pump setups, Pelton wheel, Francis turbine, Kaplan turbine, orifice meters, Venturi meters, flow measuring devices, soil moisture measurement tools, and irrigation scheduling instruments.

K. **Farm Power, Tractor & Engine Lab**

Tractors, diesel and petrol engines, engine test rigs, dynamometers, gearboxes, power take-off (PTO) systems, fuel injection and ignition testing setups, torque measurement devices, tachometers, hydraulic pumps, ploughs and tillage implements for performance testing, and measuring instruments for engine efficiency, fuel consumption, and power output.

L. **Engineering Properties of Agricultural Produce, Post Harvest Engg. of Horticultural, Medicinal and Aromatic Plants Lab**

Moisture meters, grain and seed dryers, threshers, pulverizers, hammer mills, dehullers, seed separators, aspirators, laboratory-scale processing units for fruits, vegetables, medicinal and aromatic plants, compression and crushing apparatus, weighing balances, ovens, temperature and humidity control chambers, and quality testing kits for post-harvest evaluation.

Civil Engineering

A. **Building Planning & Drawing Lab**

AUTO CAD Software

B. **Surveying & Geomatics Lab**

Prismatic compass, auto/dumpy level, vernier and electronic theodolite, theodolites, electronic total station, mirror stereoscopes, false colour composite, GIS software, GPS, and drone.

C. **Fluid Mechanics Lab**

Impact of jet apparatus, weights and stopwatch, orifice meter, venturi meter, bend meter, Bernoulli test apparatus, Reynolds number apparatus, Pitot tube and hot-wire anemometer, wind tunnel, and Venturi meter and orifice meter.

D. **Material Testing Lab**

Vicat apparatus, digital compressive testing machine, Le-Chatelier's apparatus, briquette molds, sieve, pycnometer, oven, muffle furnace, impact test machine, and ring and ball apparatus.

E. **Solid Mechanics Lab**

Universal testing machine, beam with supports, loading mechanism, dial gauges and digital indicators, support structure with specimens, load cells or spring scales attached to the supports, simply supported beam with a cut section bridged by a load cell or spring balance, dial gauges, vernier scales and displacement transducers, beam with support system, load and measuring tools such as vernier caliper and dial gauge, curved bar with supporting structure, dial gauges, weight hangers and dial indicators, Brinell's and Rockwell hardness testing machines, and Charpy and Izod impact testing machines.

F. **Hydraulics &Hydraulic Machine Lab**

Flume, tilting flume with large chamber to study flow, controlling meter to vary slope, hook gauge/point gauge to measure depth and broad-crested weirs or humps of different depths, hydraulic bench with rectangular notches, hook and point gauge, calibrated collecting tank and stopwatch, flow channel or flume with broad-crested weir, hook gauge for measuring head over the crest and stopwatch, stopwatch and measuring tools, centrifugal pump setup with stopwatch and meter scale, Pelton wheel turbine with nozzle and spear arrangement and pressure gauges, Francis turbine test rig with stopwatch and tachometer, Kaplan turbine with supply pump, orifice meter, pressure and vacuum gauge, sump tank and piping system, and rectangular notch, V-notch, hook gauge and measuring scale.

G. **CAD Lab**

Structural Analysis and design with STAAD Pro software & Surveying with AutoCAD

H. **Geotechnical Engineering Lab**

A pycnometer, balance, glass rod or stirrer and oven, density bottle and pycnometer, cylindrical mould with rammer for light compaction and mould accessories such as detachable base plate and removable collar, vibratory table with cylindrical mould, surcharge base plate and dial gauge, shear box with soil container, loading unit, proving ring and dial gauge, Casagrande's liquid limit device with ASTM and BS grooving tools, glass plate, 425-micron IS sieve and 3 mm diameter rod, constant head permeability apparatus with triaxial cell and rubber membrane, and compaction mould with rammer.

I. **Quantity Estimation and Management Lab**

Delhi Schedule of Rates (CPWD) for study, quantity take-off software, quantity take-off software with MS Excel, quantity take-off software, and tender documents of any completed project.

J. **Structural Detailing Lab**

Study of RCC detailing with IS codes (IS 456:2000, IS 13920:2016, SP-34, IS 1893), drawing table, drawing sheets, pencil, eraser and other stationery, drawing table with drawing sheets, pencil, eraser and other stationery along with SP-34, drawing table with drawing sheets, pencil, eraser and other stationery along with SP-16, and structural detailing using AutoCAD/Revit software.

K. **Transportation Engineering Lab**
Steel cylinder, tamping rod, plunger, balance, sieves, compression testing machine and measuring cylinder, pycnometer with physical balance, oven and water bath or tank with heater or circulator, balance with sieves, thickness gauge, length gauge, oven and standard thickness gauge, cylindrical drum with abrasive charge (steel balls) and rotating mechanism, penetrometer, Marshall hammer and compaction apparatus, and CBR testing machine or CBR apparatus.

L. **Environmental Engineering Lab**
Turbidity meter or nephelometer, pH meter, hardness kit, residual chlorine test kit, sound level meter (SLM), solids analyzer with filtration apparatus including filter paper or membrane filter, crucible, vacuum pump, drying oven and desiccator, DO meter, COD digester, fluoride content test kit, and jar test apparatus.

M. **Concrete Lab**

Concrete mould, compression testing machine (CTM), tamping rod and weighing machine, slump cone, Vee-Bee consistometer, compaction test apparatus, flow table, accelerator, retarder and super plasticizer.

Electrical Engineering

A. **Basic Electrical Engineering Lab**

Kirchhoff's laws kit, measurement of power and power factor in single-phase circuits with accessories, study of the phenomenon of resonance in RLC series circuits, measurement of power consumption of fluorescent lamps, three-phase power measurement by two-watt meter method, load test on single-phase transformer, DC shunt motor by load test, three-phase induction motor, and cut-out section models of machines including DC machine, three-phase induction machine, and single-phase induction machine.

B. **Computer Lab**
MATLAB/Simulink Software, Sci Lab & Virtual Lab

C. **Electrical Measurement and Instrumentation Lab**
Calibration of AC voltmeter and ammeter kit, training kit with LVDT, thermocouple kit, Maxwell's bridge kit, Schering bridge kit, Kelvin's double bridge kit, piezoelectric pickup kit, and photoelectric pickup kit.

D. **Electrical Workshop**
Control of two lamps in series and in parallel, staircase wiring and its testing, wiring of fluorescent lamp, wiring of distribution board including power plug using isolator, MCB and ELCB, workshop tools, domestic electrical accessories, earthing system and measurement of earth resistance, BHK house wiring, full-wave uncontrolled rectifier with CRO, transformer, and HT panel.

E. **Control System Lab**

Separately excited DC motor, AC servomotor, two servo potentiometers, synchro transmitter–receiver, linear simulator unit, and PILOT and PID temperature controller.

F. **Electrical Machines–II Lab**
Three phase synchronous motor, Three phase synchronous generator, Three phase induction motor & Single phase induction motor

G. **Network Analysis & Synthesis Lab**
Maximum power transfer theorem kit, Thevenin's theorem kit, RLC series circuit kit, low-pass and high-pass filters kit, two-port network kit, and transient response of RL circuit kit.

H. **Electrical Machines-ILab**
DC shunt and compound generator, DC shunt motor, single-phase transformer, voltmeter, and ammeter.

I. **Digital Electronics Lab**
RS, JK, T and D flip-flops, multiplexer, demultiplexer, 4-bit parallel adder, 4-bit synchronous and asynchronous counter, DSO (digital storage oscilloscope), and function generator.

J. **Power System-II Lab**
Percentage differential relay, Ferranti effect of a transmission line, synchronous machine transient reactance, L-G, L-L, L-L-G and L-L-L faults of alternator, over-current relay, dielectric breakdown of electrodes, and dielectric strength of transformer oil.

K. Microprocessor and Microcontroller Lab

Training Kit, 8086 training Kit & DMA controller

L. Power Electronics Lab

Training kit of IGBT, MOSFET and power transistor characteristics, training kit of SCR characteristics, training kit for R, RC and UJT triggering of SCR, training kit of single-phase bridge inverter, and training kit of single-phase cyclo-converter

Applied Science & Humanities Department

A. Engineering Graphics & Design Lab

Drawing board, Setsquares, French curves, Mini drafter, Instrument box, Protractor, Set of scales, Auto CAD.

B. English Language Lab

Head Phone & Mic, Computer Lab with 60 Computer

C. Engg. Physics Lab

Newton's Ring Kit, Plane Transmission Grating Kit, Polarimeter Kit, Energy Band Gap Kit, Current Carrying Coil, Ammeter, Voltmeter and Potentiometer, Carey Foster's Bridge, Stefan's Law Kit.

D. Workshop Practice Lab

Bench Vice, Hacksaw, Files, Surface Plate, Try Square, Hammer, Calipers, Jack Plane, Saw (Hand Saw, Tenon Saw), Chisel, Mallet, Try Square, Workbench, Welding Machine (Arc), Welding Electrodes, Welding Helmet, Wire Brush, Chipping Hammer, Gloves and Safety Gear, Lathe Machine, Milling Machine, Drilling Machine, Shaping Machine, Grinding Machine, Tool Post, Chuck and Collet, Sheet Metal Cutter, Folding Bars, Punches, Riveting Tools, Anvil, Pattern, Tongs, Swage Block, Power Hacksaw.

E. Programming for Problem Solving Lab

Computer Lab of 60 computers with internet connectivity

F. Basic Electronics Engineering Lab

CRO, Multimeter, Function Generator, Power Supply, Active & Passive Components, Bread Board, Multimeter, P-N Junction Diode V-I Characteristic Kit, PN Junction Diode Application Kit (HWR, FWR, Bridge Rectifier), Zener Diode V-I Characteristic Kit, BJT Characteristic Kit (CE Configuration), Operational Amplifier as Adder and Subtractor Kit, Various Logic Gates Kit, Sample PCB Boards, Zero PCB, Soldering Iron.

G. Engineering Chemistry Lab

pH meter, burette, pipette, beakers, measuring cylinder, Stalagmometer, wide-mouthed weighing bottle, small rubber tube with screw pinch cork, distilled water plant, Ostwald viscometer, specific gravity bottle, conical flask, funnel, glass rod, piped gas supply line with burner at working table.

14. TRAINING & PLACEMENT FACILITIES

The Training, Placement, Industry Interaction & Entrepreneurship Development and Alumni Cell at Babu Sunder Singh Institute of Technology and Management, Nigohan, Lucknow is dedicated to enhancing students' career prospects and entrepreneurial skills. The cell provides pre-placement training, technical workshops, and soft skills development, facilitates internships, live projects, and industry interactions, and encourages entrepreneurial initiatives. Supported by modern infrastructure, e-learning resources, strong industry tie-ups, and an active alumni network, the cell ensures comprehensive guidance, mentorship, and excellent placement opportunities for all students.

PLACEMENT DETAILS OF STUDENT IN THE LAST 3 YEAR

Branch	Status	2025-26	2024-25	2023-24	2022-23
CSE	No. Graduated	66	40	62	53
	No. Placed	42	28	55	37
	Min. Salary	2.40 L	1.80 L	1.80 L	3.20 L
	Max. Salary	6.00 L	8.40 L	12.00 L	4.30 L
IT	No. Graduated	28	18	04	18
	No. Placed	20	12	02	07
	Min. Salary	1.80 L	2.00 L	1.50 L	3.40 L
	Max. Salary	5.60 L	6.20 L	4.50 L	4.60 L
AG	No. Graduated	01	00	05	19
	No. Placed	00	N/A	03	10
	Min. Salary	N/A	N/A	2.40 L	1.80 L
	Max. Salary	N/A	N/A	2.40 L	3.20 L
ECE	No. Graduated	16	07	05	01
	No. Placed	10	04	02	0
	Min. Salary	1.20 L	1.40 L	2.00 L	N/A
	Max. Salary	3.20 L	4.60 L	4.80 L	N/A

EE	**No. Graduated**	24	22	16	15
	No. Placed	18	16	10	08
	Min. Salary	1.50 L	2.30 L	1.40 L	1.20 L
	Max. Salary	3.60 L	4.20 L	5.20 L	3.20 L
ME	**No. Graduated**	28	15	14	22
	No. Placed	22	11	08	16
	Min. Salary	2.20 L	1.20 L	1.80 L	1.20 L
	Max. Salary	5.00 L	6.10 L	12.00 L	14.00 L
CE	**No. Graduated**	20	31	34	38
	No. Placed	11	12	16	17
	Min. Salary	1.00 L	1.20 L	96000	1.40 L
	Max. Salary	4.40 L	3.50 L	2.40 L	3.70 L
AI & ML	**No. Graduated**	NA	NA	NA	NA
	No. Placed				
	Min. Salary				
	Max. Salary				

15. Balance Sheet

BABU SUNDER SINGH FOUNDATION
A-8, LAWRENCE TERRACE, HAZRATGANJ, LUCKNOW

Balance Sheet as at 31st March, 2023

Particulars	Schedule Number	Figures for the Current Year	Figures for the Previous Year	Particulars	Schedule Number	Figures for the Current Year	Figures for the Previous Year
Capital Fund	A	7,59,12,600.93	6,63,24,021.40	**Fixed Assets**	F	9,72,56,416.72	6,91,87,771.18
				Security Deposit AKTU-B.TECH		13,04,799.00	13,00,000.00
Long Term Borrowings:							
Secured Loans	B	4,26,51,150.90	38,61,700.90	**Current Assets, Loans & Advances:**			
Unsecured Loans	C	6,64,53,940.00	7,14,72,988.00	Sundry Debtors	G	9,91,24,108.75	8,73,55,790.75
Short Term Borrowings:							
Overdraft from Bank of Baroda		31,28,327.34	41,82,358.95	Cash & Bank Balances	H	38,99,770.41	29,18,510.81
				Advance to Suppliers	I	9,70,090.00	7,28,988.00
Current Liabilities:							
Sundry Creditors	D	73,64,197.59	96,58,870.36	Short Term Loans and Advances	J	14,14,492.20	9,78,994.01
Other Current Liabilities	E	84,59,460.32	69,70,115.14				
TOTAL		**20,39,69,677.08**	**16,24,70,054.75**	**TOTAL**		**20,39,69,677.08**	**16,24,70,054.75**

(Notes to Accounts are as per Schedule "K")

The Schedules referred to above form an integral part of the Financial Statements.

In terms of our separate report in form 10B of income tax rules 1962 attached

For Babu Sunder Singh Foundation

For BABU SUNDER SINGH FOUNDATION

Anand Shekhar Singh General Secretary

Chairman

Beena Singh

General Secretary

FOR R. M. LALL & Co.
Chartered Accountants

(R. P. Tewari)
Partner
M. No. 071448
FRN No.: 000932C

Place :- Lucknow
Date :- 30/10/2023

BABU SUNDER SINGH FOUNDATION
A-8, LAWRENCE TERRACE, HAZRATGANJ, LUCKNOW

Balance Sheet as at 31st March, 2024

Particulars	Schedule Number	Figures for the Current Year	Figures for the Previous Year	Particulars	Schedule Number	Figures for the Current Year	Figures for the Previous Year
Capital Fund	A	100,281,000.88	75,912,600.93	**Fixed Assets**	F	111,116,011.36	97,256,416.72
				Security Deposit AKTU-B.TECH		1,304,799.00	1,304,799.00
Long Term Borrowings:							
Secured Loans	B	41,604,799.58	42,651,150.90	**Current Assets, Loans & Advances:**			
Unsecured Loans	C	73,926,440.00	66,453,940.00	Sundry Debtors	G	122,362,049.74	99,124,108.75
Short Term Borrowings:							
Overdraft from Bank of Baroda		5,997,944.31	3,128,327.34	Cash & Bank Balances	H	2,777,785.28	3,899,770.41
Current Liabilities:				Advance to Suppliers	I	1,549,579.00	970,090.00
Sundry Creditors	D	8,544,356.51	7,364,197.59	Short Term Loans and Advances	J	1,390,058.20	1,414,492.20
Other Current Liablities	E	10,145,741.30	8,459,460.32				
TOTAL		**240,500,282.58**	**203,969,677.08**	**TOTAL**		**240,500,282.58**	**203,969,677.08**

(Notes to Accounts are as per Schedule "K")

The Schedules referred to above form an integral part of the Financial Statements.

In terms of our separate report in form 10B of income tax rules 1962 attached

For Babu Sunder Singh Foundation

For BABU SUNDER SINGH FOUNDATION

Rina Singh
Vice Chairman

Beena Singh
General Secretary
General Secretary

FOR R. M. LALL & Co.
Chartered Accountants

(R. P. Tewari)
Partner
M. No. 071448
FRN No.: 000932C

Place :-Lucknow
Date :- 30/09/2024

BABU SUNDER SINGH FOUNDATION
A-8, LAWRENCE TERRACE, HAZRATGANJ, LUCKNOW

Balance Sheet as at 31st March, 2025

Particulars	Schedule Number	Figures for the Current Year	Figures for the Previous Year	Particulars	Schedule Number	Figures for the Current Year	Figures for the Previous Year
Capital Fund	A	120,219,754.99	100,281,000.88	**Fixed Assets**	F	119,760,381.12	111,116,011.36
				Security Deposit AKTU-B TECH		1,304,799.00	1,304,799.00
Loug Term Borrowings:							
Secured Loans	B	34,434,711.07	41,604,799.58	**Current Assets, Loans & Advances:**			
Unsecured Loans	C	79,882,440.00	73,926,440.00	Sundry Debtors	G	134,636,195.84	122,362,049.74
Short Term Borrowings:							
Overdraft from Bank of Baroda		6,067,025.58	5,997,944.31	Cash & Bank Balances	H	3,013,959.37	2,777,785.28
				Advance to Suppliers	I	2,260,220.00	1,549,579.00
Current Liabilities:				Short Term Loans and Advances	J	534,244.20	1,390,058.20
Sundry Creditors	D	14,866,769.57	8,544,356.51				
Other Current Liablities	E	6,039,098.32	10,145,741.30				
TOTAL		261,509,799.53	240,500,282.58	TOTAL		261,509,799.53	240,500,282.58

(Notes to Accounts are as per Schedule "K")

The Schedules referred to above form an integral part of the Financial Statements.

In terms of our separate report in form 10B of income tax rules 1962 attached

For Babu Sunder Singh Foundation

Rina Singh
Vice Chairman

Beena Singh
General Secretary

FOR R. M. LALL & Co.
Chartered Accountants

(Vikas C. Srivastava)
Partner
M. No. 401216
FRN No.: 000932C
UDIN: 25401216BMJGNC3345

Place :-Lucknow
Date :- 08.11.2025