



भारतीय
प्रौद्योगिकी
संस्थान
काशी हिन्दू विश्वविद्यालय



INDIAN
INSTITUTE OF
TECHNOLOGY
BANARAS HINDU UNIVERSITY



Information Booklet

for New Entrants
Academic Session
2024-25

कुलगीत

मधुर मनोहर अतीव सुन्दर, यह सर्वविद्या की राजधानी ।
यह तीन लोकों से न्यारी काशी ।
सुज्ञान धर्म और सत्यराशी ।।
बसी है गङ्गा के रम्य तट पर, यह सर्वविद्या की राजधानी ।
मधुर मनोहर अतीव सुन्दर, यह सर्वविद्या की राजधानी ।।
नये नहीं हैं ये ईंट पत्थर ।
है विश्वकर्मा का कार्य सुन्दर ।।
रचे हैं विद्या के भव्य मन्दिर, यह सर्वसृष्टि की राजधानी ।
मधुर मनोहर अतीव सुन्दर, यह सर्वविद्या की राजधानी ।।
यहाँ की है यह पवित्र शिक्षा ।
कि सत्य पहले फिर आत्म-रक्षा ।।
बिके हरिश्चन्द्र थे यहीं पर, यह सत्यशिक्षा की राजधानी ।
मधुर मनोहर अतीव सुन्दर, यह सर्वविद्या की राजधानी ।।
यह वेद ईश्वर की सत्यवाणी ।
बनें जिन्हें पढ़ के ब्रह्मज्ञानी ।।
थे व्यास जी ने रचे यहीं पर, यह ब्रह्म-विद्या की राजधानी ।
मधुर मनोहर अतीव सुन्दर, यह सर्वविद्या की राजधानी ।।
यह मुक्तिपद को दिलाने वाले ।
सुधर्म-पथ पर चलाने वाले ।।
यहीं फले फूले बुद्ध शङ्कर, यह राज-ऋषियों की राजधानी ।
मधुर मनोहर अतीव सुन्दर, यह सर्वविद्या की राजधानी ।।
सुरम्य धाराएँ वरुणा अस्सी ।
नहाए जिनमें कबीर तुलसी ।।
भला हो कविता का क्यों न आकर, यह वाग्विद्या की राजधानी ।
मधुर मनोहर अतीव सुन्दर, यह सर्वविद्या की राजधानी ।।
विविध कला अर्थशास्त्र गायन ।
गणित खनिज औषधि रसायन ।।
प्रतीचि-प्राची का मेल सुन्दर, यह विश्वविद्या की राजधानी ।
मधुर मनोहर अतीव सुन्दर, यह सर्वविद्या की राजधानी ।।
यह मालवीय जी की देशभक्ति ।
यह उनका साहस यह उनकी शक्ति ।।
प्रगट हुई है नवीन होकर, यह कर्मवीरों की राजधानी ।
मधुर मनोहर अतीव सुन्दर, यह सर्वविद्या की राजधानी ।।

— डॉ० शान्तिस्वरूप भटनागर द्वारा रचित

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Kulgeet

(English Translation)

So sweet, serene, infinitely beautiful,
This is the presiding centre of all learning.
Radiant Kashi, wonder of the three worlds
Treasure-Chest of Jnana, Dharma and Satya
Nestling on the Ganga's bank, centre for all disciplines.
(So sweet, serene, infinitely beautiful....)
No recent, work of brick and stone
Primordial design of divinity alone
Mansions of Vidya, centre for all creation.
(So sweet, serene, infinitely beautiful....)
Clear here is the doctrine pure
Truth first, then only one's self
Home of Harishchandra, Truth's testing ground.
(So sweet, serene, infinitely beautiful....)
The voice of God in Vedic record
Constant inspiration for soul-accord
Work-shop of Veda Vyasa, centre for Brahma-Vidya.
(So sweet, serene, infinitely beautiful....)
Find here the steps to freedom
Tread here the path of Dharma
Flaming trail of Buddha's and Shankara's centre for
philosopher-kings.
(So sweet, serene, infinitely beautiful....)
Life-Giving waters of Varana and Assi
Sustenance of Kabir and Tulasi
Fountainhead of eloquent speech and poetry.
(So sweet, serene, infinitely beautiful....)
Music, Economics, other arts so many
Maths, Mining, Medicine and Chemistry
Fraternal forum of East and West, University in truest sense.
(So sweet, serene, infinitely beautiful....)
Patriotism of Malaviya-ji
His intrepidity and energy
All in youthful manifestation, centre for men of action.
(So sweet, serene, infinitely beautiful....)



Professor Amit Patra
प्राचार्य अमित पात्रा
DIRECTOR
निदेशक

Director's Message



07th July, 2024

Dear Students,

I am delighted to welcome you to Indian Institute of Technology (BHU) Varanasi, the institute that has moulded students to be the leaders of tomorrow for more than a century. IIT(BHU) is a pioneer in engineering and technology, dedicated to and sharing professional, scientific, and technological knowledge with an applied mind-set that serves humanity with local and global prospects. This prestigious institution reflects the hopes for a new India by actively searching for connections between known facts and new ones, providing deep insights into the rapidly expanding body of knowledge, sharing these advantages with the broader community, and striving on the path enlightened by Bharat Ratna Pt. Madan Mohan Malaviyaji.

Since its inception, the institute has delivered engineering education of the highest order encompassing the essence of tradition and modernity and preparing a community of extremely sensible engineering leaders who have whole heartedly responded to the call of humanity. The institute has remained unfettered in the face of challenges and has proved itself to be a gem on the crown of the city of Varanasi which has been rightly referred to by Mark Twain as older than history, older than tradition, older even than legend.

The institute has MoUs with top public and private organizations and has fared consistently well in prestigious ranking systems like NIRF, and QS World University Ranking through its strong and collaborative research and innovation ecosystem. I congratulate you for being a part of the vibrant learning culture at the institute and explore your personal and professional growth in its growth ecosystem.

The world around us is changing at an unimaginable speed, and to enable you to keep pace with this rapidity the institute offers the opportunity to gain new knowledge and perspective from its highly competitive faculty and peers. Through its long-held values of diversity, equity, and inclusion, the institute has built a strong, supportive, and respectful campus community to foster a rich and divergent learning ecosystem to enable students maximize their potential.

Alongside academics, you will also explore your hitherto unexplored potential through the sprightly co-curricular and extra-curricular life on the campus. The Institute has a State of the Art Indoor Sports Facility and well-groomed outdoor sports facilities. Through your engagement with these activities, you can hone your untapped skills to master the art of the possible and be the catalyst of change while exploring the intersection between innovation and leadership.

I wish you all the success in life.

Professor Amit Patra
DIRECTOR



Professor. Shyam Bihari Dwivedi

प्राचार्य श्यामबिहारी द्विवेदी

Dean (Academics Affairs)

अधिष्ठाता (शैक्षणिक कार्य)



10th July, 2024

Dean (Academic Affairs)'s Message

Dear Students,

My heartiest congratulations to you for joining the Indian Institute of Technology (BHU) Varanasi fraternity. I welcome you to an exciting new world of learning where you will get numerous opportunities to shape your career in the right direction. You will find your stay on the campus to be an immensely enriching and rewarding experience.

As a graduate student at the institute, you will have the opportunity to sharpen your professional skills through your exposure to sciences and engineering, and hone your life skills through your exposure to an array of courses in humanities and social sciences. The flexible course structure in line with NEP shall inculcate your intellect and entrepreneurial personas. All through your academic engagements here, you will be challenged intellectually, enriched academically, motivated for excellence, and rewarded personally and professionally. The curricular, co-curricular, and extra-curricular culture at the institute will inspire you to stretch your limits and explore yourself to be leaders of the future. Besides the indoor and outdoor sports infrastructure at the Institute shall keep you physically and mentally fit to shape yourself for your career.

Your classroom experience at the institute will be preparing you to meet the demands of your future workplace with confidence. You will also be motivated to develop a deeper understanding of the nuances of the workplace challenges through your interactions with professors, peers, the campus and transition smoothly into your professional life.

The institute is committed to ensure academic success to all its students. I sincerely believe that you will be taking good care of yourself during your stay on the campus and will engage yourself in activities that will lead to your personal and professional growth. I also want you know that there is an entire campus community to support your endeavours and help you know and grow.

I wish you all the best for a highly satisfying and rewarding tenure at the institute.

Prof. Shyam Bihari Dwivedi
Dean (Academic Affairs)

Thoughts of Mahamana Pandit Madan Mohan Malaviya Ji.

- It lies largely in his teacher's hand to mould the mind of the child who is father of the man. If he is patriotic and devoted to the national cause and realizes his responsibility, he can produce a race of patriotic men and women who would religiously place the country above the community and national gain above communal advantage.
- In 1904 the Congress urged the establishment of at least one central fully equipped polytechnic institute in the country, with minor technical schools and colleges in different provinces, and repeated that prayer in 1905. In 1906 it urged that primary education should be made free, and gradually compulsory, all over the country, and that adequate provision should be made for technical education in the different provinces, having regard to local requirements. It reiterated the same prayer in 1908, 1909, 1910, 1911 and 1913.
- To provide the full measure of technical and scientific instruction and industrial training which are necessary to qualify our people to make satisfactory progress in manufacturing and industrial pursuits, a widespread system of technical and industrial education such as obtains in Japan is necessary and I hope that the Government will steadily endeavour to build up a similar system here. (Legislative Council, April 1908).
- You must always be prepared to do the duty that your country may demand of you. Love your countrymen and promote unity among them. A large Spirit of toleration and forbearance, and a larger spirit of loving service is demanded of you. We expect you to devote as much of your time and energy as you can spare to the uplift of your humble brethren. We expect you to work in their midst, to share their sorrows and their joys, to strive to make their lives happier in every way you can. (Convocation December 1929).
- Let righteousness and Dharma prevail, and all communities and societies progress; Let our beloved Motherland regain its lost glory, and the sons of Bharat be victorious; Let everyone be part of the same Consciousness, let all love that Supreme Lord; Let us always be firm in the path of Dharma, which always lives in our Soul.
- We believe **religion** to be the surest foundation of character and the truest source of human happiness. We believe **patriotism** to be a powerful elevating influence which inspires men to high-minded unselfish action.
- I believe in the potency of religious teaching. I believe that, that forms a solid basis for character. I believe that one country would be much poorer and in a much deplorable condition if religious instruction be not imparted in schools and colleges for religion is the solace and comfort to life. Therefore it should be taught along with many other subjects.
- India belongs to the Hindus, the Mohammedans, the Sikhs, the Parsis and others. No single community can rub over the rest. Your hand has five fingers. If you put off the thumb, the power of your hand will be reduced to one-tenth of its original power. Act in such away that all may unite.... Let there be mutual trust. We will have to make such a law and such a constitution that nobody may be afraid of anyone else in the country in whatever circumstances he be placed. When we succeed in doing so there will be no questions of majority or minority. I again repeat. Go on discussing and explaining. Never say, "Now we break". Never say, "die". One day's fight brings permanent loss to the country. It brings disgrace upon us.

1.THE VISIONARY FOUNDER

Mahamana Pandit Madan Mohan Malaviya (1861-1946)



Banaras Hindu University (BHU) is a living picture of Madan Mohan Malaviya's philosophy of education. The dedication with which he founded the University shows his exemplary capability to achieve higher objectives. Since its inception, he had the vision to develop BHU as a complete university. This University is the symbol of his grand vision. The Synthesis of tradition and modernity in the educational system makes this university a unique center of learning. An amalgamation of प्रतीची and प्राची has created this university as a “Capital of Knowledge”. The ethos of the BHU has always been progressive and modern. These are the reasons that this university has produced engineers and technocrats in a far greater number than any institution in the country. During the freedom struggle, both its students and teachers actively participated. Even today, the underlying culture of the university promotes patriotism.

BHU was the first University to have come up through private, non-governmental public initiatives. Many people and organizations contributed morally and economically towards the development of this university, but they all were driven by the passion of one man, Pt. Madan Mohan Malaviya. He knew quite well that excellence could only be achieved by the cooperation of all society sections. Malaviya Ji achieved the unachievable goal to establish a serene as well as modern at the same time, through his persistent efforts. For about five years, he collected donations from every corner of the country, approached every section of the society appealing to donate generously for a noble cause. He succeeded in his mission in 1915, and the university was established in the year 1916. He established a university where every discipline of learning would be taught. BHU became the university to begin the modern education of technology in 1919.

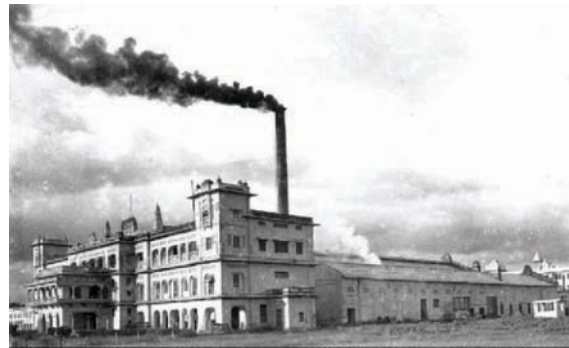


He was the Vice-Chancellor for two decades, 1919-1939. He devoted his body and soul to make the University a 'great and useful seat of learning'. The University moved on the path of development through his efforts.

The Radhakrishnan Education Commission Report of 1948 submitted to the Government of India states, ***“The credit of first starting degree courses in Mechanical and Electrical Engineering and Metallurgy belongs to the University of Banaras, thanks to the foresight of its great founder Pandit Madan Mohan Malaviya.”***

2. HISTORY OF IIT(BHU) VARANASI

The Indian Institute of Technology (Banaras Hindu University), Varanasi, owes its existence to the farsighted vision and relentless efforts of the founder Mahamana Pandit Madan Mohan Malaviya Ji, who created the first comprehensive residential university of India. Three engineering and technological institutions were established viz. the Benaras Engineering College (BENCO) in 1919, the College of Mining and Metallurgy (MINMET) in 1923, and the College of Technology (TECHNO) in 1932, as the constituent units of Banaras Hindu University. The first-ever Bachelor degree courses in Electrical, Mechanical, Metallurgy, Mining, Ceramics, and Pharmaceuticals in India were pioneered at BHU, while Pharmaceuticals also being the first in Asia. After the country's independence in 1947, postgraduate and doctoral research programs were also introduced here. These colleges produced outstanding engineers who led



various indigenous industries, academic institutions, and R&D laboratories both within and outside the country.



The three engineering colleges were merged to form the Institute of Technology (IT, BHU) in 1968.

The erstwhile Institute of Technology, Banaras Hindu University, has been converted into the Indian Institute of

Technology (Banaras Hindu University), Varanasi w.e.f. 29th June 2012. Since then, the IIT has witnessed several significant academic and developmental programs and new initiatives in all spheres of the Institute.



3.UNDERGRADUATE EDUCATION

Undergraduate programs in Engineering and Technology are designed to enable the degree holders to take up the challenges in industries and higher studies. Engineering education requires expert knowledge and skills in respective branches of engineering, whereas technology education requires a broad base of fundamental knowledge of both science and engineering, including the development of analytical and innovative skills. Quality Engineering education should inculcate a broad foundation along with deeper knowledge, understanding, and expertise in the subject of specialization in the students, with further inclusion of skills such as communication, technical, analytical, managerial, and behavioral such as humanitarian considerations, feelings, and social responsibility.

Thus goals of undergraduate engineering and technology education at our Institute are;

- (i) to impart basic key concepts and develop skills related to their discipline,**
- (ii) to broaden the base in other allied disciplines**
- (iii) and help build overall personality and character.**

To serve the objectives of a diversified class of students with different capabilities (mental, emotional, and physical), IIT (BHU) has developed an educational program with flexibility in its structure and duration. By pursuance of the program, a candidate enhances his/her academic proficiency and skills in the specified field of knowledge. The Institute aims to shape the student as a good human being with strong character and make him responsive to the demands of society and nature.

Departments and Schools also identify different streams of their program. The streams help the students in identifying areas of research and in taking courses of interdisciplinary nature.

Research and Innovation Weaved Curriculum

Desired qualities in graduating engineers are : **A- Analytical ability** (Analyzing situations, applying knowledge); **B-Building ability**(Creativity, working with hands), and **C- Caring and character**(Sensitivity, courage to act on one's beliefs). In most engineering curricula, the emphasis is on analytical ability. However, our new curriculum being implemented in 2014 also gives due importance to building ability and caring and character. Engineering skill development is given its due importance in engineering education at IIT (BHU), and each undergraduate program is being designed with a layered and composite structure. The curriculum is designed to weave research and innovation into the course structure and to create understanding/harmony with his self, family, society, and nature. It is a curriculum

having project-based learning, which enhances excitation of imagination, creativity, and inculcates the habit of working with hands.

In a project-based learning system, the program is designed to emphasize hands-on learning. There is an exploratory project in Semester III (or IV). It also encourages going deeper in a selected area through streams starting from V Semester. It identifies areas of research and innovation known as streams. The students are made aware of the scope of the discipline as well as streams at an early stage. Streams facilitate working with projects and studying courses relevant to the selected project at an early stage. Thus, working on projects is supported by theory courses, thus weaving research and innovation with courses.

Knowledge today is more interdisciplinary than ever before. Streams facilitate taking courses from different areas in support of their project. The flexibility in the curriculum becomes an essential component from the point of view of streams. This curriculum has been developed to have the flexibility to serve the diversified needs of learning. Studying along the streams is a matter of choice for the student. However, suppose a student chooses to study along the stream and carry out research and innovation work from 5th to 8th / 10th semesters and also shows substantial outcome in the form of publications, presentation of papers in seminars and symposia, preparation of a design, or building of some prototype or model, In that case, he/she will be awarded a special UG degree, B.Tech. (Honours).

In order to select streams, the students are enabled during 1st to 4th semesters by giving them the opportunity to study courses of different science and engineering areas as part of the breadth requirement and of his/her discipline as a professional requirement. They also study practice courses and exploratory projects in their discipline to get hands-on experience. The students can select a stream at the end of the 4th semester or the beginning of the 5th semester.

Caring and Character (Sensitivity towards Society and Environment)

Humanities (HU) courses are included to develop awareness, increase sensitivity, and develop an understanding of humanism, society, and nature. They provide a platform for understanding relationships in context to society and the environment. Two foundation courses one in the area of History, Civilization, and Development, and the other in Philosophy and Education, are available. For those interested in the advanced elective in the humanities/language/management course, an opportunity has been provided in terms of open electives along with the other engineering courses.

You can go to the Institute website to see the UG Curriculum, which implements this vision.

4. ACADEMIC PROGRAMS

UNDERGRADUATE PROGRAMS:

IIT(BHU), Varanasi offers 4 year Bachelor of Technology (B.Tech) programs in 10 disciplines and 5 year Integrated Dual Degree (IDD) programs in 14 disciplines. Admission to all programs is made through the Joint Entrance Examination (Advanced) jointly conducted by the Indian Institutes of Technology (IITs)

Degrees in undergraduate programs:

Programs	Disciplines
Bachelor of Technology (B.Tech.)	Ceramic Engineering, Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics Engineering, Mechanical Engineering, Metallurgical Engineering, Mining Engineering, and Pharmaceutical Engineering and Technology.
Bachelor of Architecture (B.Arch)	Architecture Planning and Design
Integrated Dual Degree (B.Tech. and M.Tech.)	Biochemical Engineering with M.Tech. in Biochemical Engineering and Biotechnology, Bioengineering with M.Tech.in Biomedical Technology, Ceramic Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering with M.Tech.in Power Electronics, Materials Science and Technology, Mechanical Engineering, Metallurgical Engineering, Mining Engineering, Pharmaceutical Engineering and Technology, Engineering Physics, Industrial Chemistry and Mathematics, and Computing.

POSTGRADUATE PROGRAMS:

Postgraduate programs include Master of Technology (M.Tech.)/Master of Pharmacy (M.Pharm.) and Ph.D. degrees. Admissions to the M.Tech. programs are made through the Graduate Aptitude Test in Engineering (GATE) and to M.Pharm. programme through the Graduate Pharmacy Aptitude Test (GPAT).The new Master of Science (M.Sc.) programs started in the Department of Chemistry and Physics. Admissions to the M.Sc. programs are made through the JAM jointly conducted by the IITs.

Departments:

IIT (BHU) has 18 academic units, including 10 Engineering Departments, 3 Science Departments, 3 Interdisciplinary Schools, 1 Architecture Design and Planning

Department, and 1 Humanistic Studies Department. The academic departments at IIT (BHU) Varanasi are:

Engineering Departments:

Ceramic Engineering, Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics Engineering, Mechanical Engineering, Metallurgical Engineering, Mining Engineering, Pharmaceutical Engineering & Technology.

- **Sciences Departments:**
Chemistry, Mathematical Sciences, Physics
- **Interdisciplinary Schools:**
Biochemical Engineering, Biomedical Engineering, Materials Science & Technology
- **Architecture:**
Architecture Design and Planning
- **Humanities and Social Sciences:**
Humanistic Studies



Architecture Design and Planning



Ceramic Engineering



Department of Chemical Engineering



Department of Civil Engineering



Computer Science & Engineering



Department of Electrical Engineering



Department of Electronics Engineering



Department of Mechanical Engineering



Department of Metallurgical Engineering



Department of Mining Engineering



Department of Pharmaceutical Engineering & Technology



Department of Humanistic Studies



School of Biochemical Engineering



School of Biomedical Engineering



School of Material Science & Technology



Department of Chemistry



Department of Mathematical Sciences



Department of Physics

Main Workshop and B.Tech. Part I Computer Lab

The Institute has also well-equipped with B.Tech.Part I computer lab and workshops



I.I.T.(BHU) Main workshop



B.Tech. Part I Computer Lab

5. ACADEMIC STRUCTURE AND GUIDELINES

5.1. Semester System

The academic session of the Institute is divided into three parts: two regular semesters and a summer term. Every year, the odd semester normally commences in the last week of July, and the even semester in the last week of December. The summer term runs from the middle of May to the middle of July.

Normally, the Institute organizes one mandatory 3-Days Induction Program for all new entrants before the classes start for the first semester's credit courses. It includes departmental visits, etc.

Academic Calendar of the Institute for various academic activities during the session 2023-24 (Odd & Even Semesters) for all the students of the Institute is available on the Institute's website and given in **Annexure - I**.

5.2. Course Structure and Credits

The Institute follows a choice-based credit system giving the student the flexibility in choosing courses. A student is expected to earn certain minimum credits for the program for which he/she is registered and with a minimum specified CPI (see UG Ordinances on the website). The courses for the first and second semesters and the credits assigned are listed in **Annexure – II**.

5.3. Examinations

There is one Mid-term Examination and one End-Semester Examination. Besides these, there are quizzes, assignments, etc. Weight for each of these components gets decided by the course convener, which is announced at the beginning of the semester.

5.4. Attendance

Attendance of students in lectures, tutorials, practical, and project work is important for the learning process. Participation of students in the different classrooms, curricular, co-curricular, and other activities facilitates an interactive process of learning, making attendance a very important component of the Academic Programme. It also helps to bring discipline in the student's life, thus enhances the overall personal development of the students.

It is expected that the students would attend all the classes. However, it is noted that sometimes, due to some exigencies, the student might have to miss some classes. For a student who has an absence above 25% in a course, whatever may be the reason for a shortfall in attendance, his/her registration in the course is in general stands canceled and Z-grade is awarded.

The absence of 25% will be calculated as the absolute number, rounded off to the next higher integer of the actual classes held in a course. Further relaxation of seven days is provided to a student who has obtained prior approval of the Dean (Academic Affairs) through Dean (Student Affairs), Dean (R&D) or the concerned Head of the Department/Coordinator of School to represent the Institute in various activities and also for presenting a research paper. This relaxation may also be granted by the Dean (Academic Affairs) for the prolonged illness of duration of 2 weeks or more on the recommendation of DUGC and approval of the Chairperson, SUGC. Any illness of duration less than two weeks shall not be considered for the above-mentioned relaxation.

5.5. Grading System

Grades and Grade Points

At the end of the semester/summer term, a student is awarded a letter grade in each of his/her courses by the concerned course convener taking into account his/her level of learning based on performance in the various examinations, quizzes, assignments/term paper, laboratory/project work (if any), etc. A relative system of grading is used, and it reflects the level of learning by a student.

The various grades to be awarded to students along with the corresponding grade points and their description are given in the table below:

Grading System for the students

Grade	Grade Point	Description
A*	10	Outstanding (Extraordinarily high level of learning)
A	10	Excellent
A ⁻	9	Very Good
B	8	Good
B ⁻	7	Very Fair
C	6	Fair
C ⁻	5	Poor (But pass grade for the course)
F	0	Fail (Extremely low level of learning)
S	---	(Research Unit) Satisfactory
X	---	(Research Unit) Unsatisfactory
I	---	Incomplete
T	---	Waiver/Transfer
W	---	Withdrawn/Cancelled Registration

The description of the letter grades from A* to F is self-explanatory. 'T' will be awarded in those courses or research projects which are waived off for students earning grades and equivalent credits by going to other Institute/ University/ Organization as Non-Degree Student. A cancelled registration would appear as a W-grade in the grade sheet. It will not be considered for SPI/CPI calculation. If a student fails to fulfil the minimum stipulated attendance criterion, he/she will be deemed to have withdrawn from the course with consequent cancellation of registration.

If a student does not complete all the requirements for a course for a genuine reason, the instructor may award the grade I (Incomplete). An I grade shall be awarded if the student has not appeared in the end semester examination.

A student getting an F or X grade in a course must repeat it or replace it (if it is an elective). If the Course happens to be an Elective, he/she can substitute the same by another Elective with the permission of the DUGC.

Semester Performance Index (SPI) – The SPI is a weighted average of the grade points obtained by a student in courses and describes his/her academic performance in a semester. If the grade points associated with the letter grades awarded to a student are $G_1, G_2, G_3, G_4,$ and G_5 in five courses and the corresponding credits and weight factor of courses are $(C_1, W_1), (C_2, W_2), (C_3, W_3), (C_4, W_4)$ and (C_5, W_5) respectively, the SPI is given by

$$SPI = \frac{(W_1 \times C_1 \times G_1) + (W_2 \times C_2 \times G_2) + (W_3 \times C_3 \times G_3) + (W_4 \times C_4 \times G_4) + (W_5 \times C_5 \times G_5)}{W_1 C_1 + W_2 C_2 + W_3 C_3 + W_4 C_4 + W_5 C_5}$$

Note: Weight factor of all courses of B.Tech. and IDD programs are one. However, a few courses of B.Arch. programme, as specified in the course structure of B.Arch., may have weightage other than one.

S and X grades and associated credits shall not be considered in the computation of the SPI.

Cumulative Performance Index (CPI) - The Cumulative Performance Index (CPI) indicates the overall academic performance of a student in all the courses registered up to and including the latest completed semester/summer term. It is computed in the same manner as the SPI, considering all the courses (say, n), and is given by

$$CPI = \frac{\sum_{i=1}^n W_i C_i G_i}{\sum_{i=1}^n W_i C_i}$$

Whenever a student is permitted to repeat or substitute a course, the new letter grade replaces the old letter grade in the computation of the CPI, but both the grades appear on his/her Grade Report.

The details of the grading scheme etc. can be found in UG-Ordinance and also on the institute website.

5.6. Rules for Change of Discipline/Programme

a) Change of Discipline

Normally a student enrolled in a UGD/IDD program through JEE, is eligible for a change of discipline/program at the end of the first semester provided he/she has scored $CPI \geq 8.0$ for a limited number of seats. The change of discipline/branch is from one discipline to the other within their respective programs only, i.e. the students of 4-year programs may change disciplines within 4-year programs, and the students of 5-year programs may change disciplines within 5-year programs only. A student admitted through preparatory course is not permitted for change of discipline.

b) Change of Programme

A student enrolled in 4-year B.Tech. shall also be eligible for a change of program from B.Tech. to 5-year Integrated Dual Degree program within the same discipline before the date of registration in the 7th semester provided he/she has minimum $CPI \geq 6.5$ at the time of application.

5.7. Minor discipline Programme

Purpose: Minor discipline courses provide an opportunity to learn another academic area ONLY for the students doing very well in their major academic Programme without any F-grade/Z-grade. It is expected to supplement learning in the major discipline and help in developing interdisciplinary knowledge for problem solving in cutting edge areas of Engineering, Technology and Science. The minor allotment is done after the 4th semester. The minor courses will run during Vth to VIIIth semesters (9-11 credits each semester). The total credits requirement for Minor is 36-44.

Eligibility:

- i. Minor discipline courses are **additional learning over and above the regular B.Tech./B.Arch./IDD degree requirement**. Students can opt for additional learning in a discipline other than his/her major discipline. Students completing a minor discipline course will have the minor mentioned in the degree certificate and in the final grade report.
- ii. For the eligibility of minor discipline, the student must have completed all the credits requirements for the first four semesters of their studies with a minimum CPI of 8.0. The student should not have any F-grade or Z-grade during the first four semesters. It is expected that the students with very good academic records, if interested, may take minor discipline.
- iii. Opportunity to take Minor discipline is a privilege but NOT right.

Procedure

- i. Applications for a minor discipline course must be submitted by interested eligible students in the prescribed form or through an online portal after the end of the fourth semester. Academic section will make a suitable announcement for the same after the declaration of results of the fourth semester. Interested eligible students may give their three choices of a minor discipline in the order of preference. Change in choice of minor discipline course will NOT be considered after the application submission. No change in minor discipline will be considered.
- ii. The maximum number of minor course seats in a discipline will be ten (10). The selection for Minor discipline shall strictly be based on CPI at the end of fourth semester. In case of tie, CPI after 3rd semester will be considered. If the 3rd semester CPI is also equal, 4th semester SPI will be considered.

5.8. Credit Transfer guidelines of the Institute

B.Tech./IDD/B.Arch. students may take electives (18-20 credits) through credit transfer. Likewise, M.Tech./M.Pharm./Ph.D. students may also complete one course (9-11 credit) through credit transfer. The following guidelines will be applicable:

- I. Courses done at other IITs/IIMs/IISERs/NIPERs/IISc may be considered for credit transfer. The following guidelines will be applicable
 - The students must take prior approval of DoAA based on the recommendation of DPGC/DUGC for the registration in an off campus course for claiming of credit transfer. Before making recommendation, DUGC/DPGC must ensure course equivalency and credit mapping (one hour lecture/Tutorial/Lab and equivalent credit in our Institute and Institute where the course was taken)
 - Credit transfer will be permitted by DoAA based on the recommendation of DPGC/DUGC on the successful completion of the courses approved as above.
 - In case the course taken has a different grading system (not 10-point scale), *the obtained grade will be entered as such in the grade sheet of the student without any adjustment.*
- II. Credit transfer from NPTEL / SWAYAM
 - The students must take prior approval of DoAA based on the recommendation of DPGC/DUGC for the registration in an off campus course for claiming of credit transfer. Before making recommendation, DUGC/DPGC must ensure course equivalency in terms of content and lecture hours.
 - After the completion of the course, the student shall be required to submit an application to the Department/School for credit transfer of NPTEL/SWAYAM against the course along with the photocopy of completion certificate showing marks obtained and prior approval of course registration. The DPGC /DUGC will compile all such requests and send it to the DoAA.

5.9. Fee Structure for B.Tech./B.Arch./IDD Programs

The fee structure for B.Tech./B.Arch./IDD Programs is placed at **Annexure-III**.

5.10. Financial Assistance/Scholarships

Various scholarships, including Merit-cum-Means, are available to the undergraduate students. A good number of Endowment Scholarships are also available. Some of these scholarships are on a loan basis. The Institute is also one of the recognized institutions for the award of scholarship to SC/ST students under the Scholarship Scheme of the top-class education scheme of the Ministry of Social Justice and Empowerment and Ministry of Tribal Affairs. IDD students are provided a stipend in semesters IX & X on fulfilling certain criteria.

6. STUDENT COUNSELLING SERVICES (SCS) - SAKHA

The Student Counselling Services, IIT (BHU), Varanasi, is an institute-level faculty-student body consisting of a team of 10 faculty members and 140+ students. It aims towards the **holistic development of students** as a SAKHA (Your Friend in Campus) by conducting guest talks, activities and counselling sessions under various councils related to wellness, academics, career, skills, and research. It has conducted 300+ guest talks and activities, along with providing 4000+ individual counselling sessions, benefitting over 9000 students on campus.

Vision

We aim to create an environment of progress and harmony to generate skilled and healthy (both at mental & physical levels) human resources in the institute with adequate potential who can further contribute to the nation's development.

Mission

We strive to provide an integrated system of counselling experts, dedicated students, and faculty members to cater for the holistic development of the student fraternity.

Contact: sakha.scs@iitbhu.ac.in or convernor.sakha@iitbh.ac.in

Helpline: +91 95696 75300

6.1 The Five Councils of SAKHA

The Student Counselling Services - SAKHA consists of five councils, each with its own specialisation.

6.1.1 Wellness Council

The council aims to ensure physical, mental, emotional and spiritual well-being by building habit communities and promoting mindfulness, gratitude, and forgiveness. It works in collaboration with the on-campus counsellors and the institute wellness partner. It has conducted 4000+ individual and 40+ group counselling sessions, helping 4000+ students.

Flagship Initiatives: Life's Tiny Wins, HeartOut, Mental Wellness Week, 21- Days Habit Challenge, Interaction with Counsellor, IITBHUREADS

Collaboration with Wellness Partners:

5.1. Dr Laxman Yadav - On-Campus Counselling Psychologist (M: +91 96963 84984)

He has done PhD in Counselling and Psychotherapy. An expert in EMDR and CBT, he is available on call (24*7) to give counselling to the students. **For offline counselling sessions, you can approach him at:**

- **3 PM - 8 PM:** SCS Office, Near Mechanical Department

Email - laxman.scs@iitbhu.ac.in

5.2. Ms Soumya Srivastava - On-Campus Clinical Psychologist (M: +91 96282 79780)

She brings an extensive background in clinical psychology and is licensed by the Rehabilitation Council of India (RCI). **For offline counselling sessions, you can approach her at:**

- **4 PM - 8 PM (Mon to Fri):** SCS Office, Near Mechanical Department
- **11 AM - 3 PM (Sat):** SCS Office, Near Mechanical Department

Email - soumya.scs@iitbhu.ac.in

- 5.3. Your Dost:** It is an online counselling platform that allows you to connect with experts to discuss issues related to your personal, professional and academic life while remaining completely anonymous. Through the institute mail id, one can get free access to YourDOST.

Contact: wellness.sakha@iitbhu.ac.in

6.1.2 Academics Council

The council endeavours to help students perform well academically by assisting them with study tips, accessible study materials, and guidance through remedial classes. Furthermore, it organises specialised sessions focused on academic development tailored to help students excel in their internships, placements, and research-oriented activities. It also aims to create awareness regarding research programs in India and competitive exams such as CAT, GATE, TOEFL, etc.

Flagship Initiatives: Netflix, Remedial Classes, Discipline Change Sessions, Acing Midsems

Contact: academics.sakha@iitbhu.ac.in

6.1.3 Career Council

The council aims to create awareness among students about different career paths and help them select the best according to their interests, knowledge and personality. It facilitates students with career selection, preparation, resources and mock interviews.

Flagship Initiatives: Acing Placements, Acing Internships, Ask Me Anything Sessions, Placement Diaries, Internship Diaries

Contact: career.sakha@iitbhu.ac.in

6.1.4 Skill Development Council

The council aims to equip students with the necessary hard and soft skills that are required for different career opportunities. It helps students in their personality development by enabling them to explore their hobbies and interests. It majorly focuses on communication and leadership skills, and hard skills such as coding, designing, writing etc.

Flagship Initiatives: SpeakUp! By SCS, Exhort Series, Commando Talks, Skills Winter Bootcamp

Contact: skills.sakha@iitbhu.ac.in

6.1.5 International Exchange Council

The council aspires to establish international exchange programs in IIT (BHU) and facilitate students who aspire to do foreign internships in research and other domains. It plays a crucial role in equipping students with information, resources, and support to pursue international opportunities, apply for scholarships/internships, and explore their research interests.

Flagship Initiatives: Foreign Internship Database, Research Intern Diaries, Branch-wise Research Areas, Resume Review, Guidance Sessions, Cold Mail Reviews

Contact: ie.sakha@iitbhu.ac.in

6.2 Operations Vertical

The Student Counselling Services manages all the operations through Operations Vertical, having domain expertise in PR & Hospitality, Publicity & Media, Finance & Resources. It manages communication channels and ensures cohesive and powerful branding of SAKHA through social media, event coverage, and content creation.

Contact: media.sakha@iitbhu.ac.in

6.3 Folks' Companion

An encyclopedia of IIT (BHU) - All you want to know about the institute, be it your department or the clubs you want to explore; from the institute map to your hostel mess, this guidebook is all you need. Curated especially for new entrants, Folks Companion is used by all the students of the institute.



Scan the QR code to access:

6.4 Reader's Circle

The Reader's Circle aims to promote the habit of book reading among the students of IIT(BHU) by conducting group reading sessions, giving guest talks by renowned authors, and issuing books.

Contact: lib.sakha@iitbhu.ac.in



Scan the QR code to know more about SAKHA:



Inauguration of SAKHA by Prof. P K Jain (Former Director) and Sri Sri Ravi Shankar



Prof. HC Verma - giving a talk conducted by SAKHA.



Inauguration of Reader's Circle by Srimati Nirmala Sitharaman (Finance Minister of BHARAT) and Prof. P K Jain (Former Director)



The Induction Programme conducted by SAKHA

7. STUDENT LIFE

IIT (BHU) has a vibrant student life, encompassing almost all possible aspects of students' activities under the guidance of the Dean (Students' Affairs), Associate Dean (Students' Affairs) and the Student Parliament. The first-ever Student Parliament came into existence in IIT(BHU) in January 2015 through a democratic process of elections with the participation of about 5000 students. The Student Parliament represents a deliberative body that discusses various issues affecting students' life. It has various standing committees headed by their respective Conveners, which work towards improving the academic, extra-curricular, and hostel life of the students.

IIT(BHU) Gymkhana

It is one of the oldest Gymkhana functioning in the country. IIT(BHU) Gymkhana manages all student activities at the campus through its executive and non-executive wings, the Gymkhana councils, and the Students' Parliament, respectively. The Director of the Institute is the patron of the Gymkhana while the Dean of Student Affairs (DoSA) acts as the ex-officio President of the Gymkhana. The Gymkhana consists of 5 Councils, namely, the Cultural Council, the Science and Technology Council, the Film and Media Council, the Games and Sports Council, and the Social Service Council. Each council is headed by a General Secretary and 2 Joint General Secretaries elected by the Councils and a faculty member serving as the Counsellor.



Aerial view of Gymkhana Ground and King's Pavilion

The Students' Parliament

The Students' Parliament is the highest representative body of students in the Institute. It serves as a critical link between the students and the Institute administration, acting as a feedback system in matters of policy via various standing committees. The role of the Students' Parliament is to discuss the matters of student welfare and interest and initiate proposals related to the general body for implementation by the Institute through the DoSA. It acts as the collective voice of the students and represents the general body at all forums, within or outside the Institute. The Parliament consists of the Vice President (Convener), the Assistant Vice President (Co-Convener), the elected Parliamentarians, the General Secretaries of all the Councils, and two students nominated by the Patron.

Games and Sports Council

Games and Sports Council, the biggest council of the Institute, offers an amazing environment to appreciate fitness through various sports activities, gymnasium, and yoga. We have three big grounds for various sports named Gymkhana Ground, Athletic Ground, and Rajputana Ground. There are well-qualified coaches for all the sports for students' guidance. With good sports facilities and coaches, IIT (BHU) is cultivating and nurturing excellent sporting culture among its students. Every year institute participates in various sports fests. The Institute consistently performs well in all Indian Sports events, including Inter IIT Sports Meet held every year in which more than 3500 students participate from all IITs. We performed very well in the inter-IIT sports meet 2019, securing the 5th position overall and winning championships in Badminton(M), Hockey, Lawn Tennis(M), Weightlifting.

The sporting culture at IIT BHU is unmatched in terms of skills and competitiveness, with our sports fest 'Spardha' being the face of it. This carnival of sports is organized in the month of October. This 3-day extravaganza, which is currently in its 37th edition, offers the perfect opportunity for sports persons to showcase their abilities in a highly competitive environment. Recording an annual footfall of nearly 45000, Spardha draws participants and viewers from nearly all the top-notch colleges, including IITs and IIMs, as well as the state and local participation. With appearances by Olympic athletes and national heroes like Sushil Kumar, Deepa Malik, Sardar Singh, Spardha is an incredible opportunity for college students to display their athletic ability and skill at the national level.

The Institute has recently added one more laurel to student Gymkhana by inaugurating new Ramesh Srinivasan Student Activity Centre (RSSAC). Several world class sports facilities are in-housed in RSSAC like Badminton hall, Boxing, Table tennis, Taekwondo, Squash court, Chess, Kabaddi court, etc. Apart from this new RSSAC has Olympic standard gymnasium facilities which is a state-of-the-art facility and perhaps one of the finest of its kind in the country.



Ramesh Srinivasan Activity Centre

Cultural Council

The Cultural Council, one of the established bodies in Gymkhana, is the beating heart and melodious soul of IIT (BHU) Varanasi. The seven clubs of the Cultural Council namely, Dance Club, Fine Arts Club, Indian Music Club, Quiz Club, Theatre Club, The Literary Club, and Western Music Club organize workshops, activities, and events like Introductory Sessions, Aagman - The Intra Freshers Competition, The Cultural Weekend, SPIC MACAY, Varanasi Wordfest, and KashiYatra - The Annual Socio-Cultural Festival of IIT (BHU) Varanasi to promote and enhance the cultural activities of the Institute throughout the year.

The Inter IIT Cultural Meet 4.0 saw participation from 22 IITs, and IIT (BHU) Varanasi carved a niche for itself again as it stood 4th in the overall tally by winning 3 Gold, 8 Silver, and 3 Bronze medals. The haul of medals in the Inter IIT Cultural Meet 4.0 has showcased each club's diversity and immense abilities, and the cohesiveness of the Council.



Cultural event at Kashi-Yatra

Science and Technology Council

The Science and Technology Council of IIT (BHU) Varanasi is an institute-wide community of students who share a common passion for technical innovation. It houses nine clubs that offer a plethora of avenues - Aeromodelling, Astronomy, Business, Club of Sustainability and Innovation, Club of Programmers, Robotics, and the Society of Automotive Engineers. From drones to stocks to galaxies, we've got you covered. The council displays its full potential during the Inter IIT Tech Meets, having previously won several awards and accolades.



Technex is the technical fest of IIT (BHU), which is also Asia's oldest techno-management festival. Packed with sophisticated exhibitions and nail-biting competitions, Technex has been graced by pioneers in the fields of science,

including Nobel Laureates and successful entrepreneurs. The fest concludes with spectacular performances by renowned artists, having previously featured celebrities like Guru Randhawa, Abish Matthew, etc. SnTC is the place to discover, define, and develop the technocrat inside you.

Film and Media Council

The Film and Media Council of IIT (BHU) is a student body devoted to honing the budding digital artists and journalists in the student fraternity. Comprising of 6 clubs bustling with activity, namely Photography, Cine, Media, Design, Animation & Outreach, FMC provides engineering students a platform to follow their passions and outlet for their inner creativity.

The Council organizes 2 Major events annually. The first is FMC Weekend, which is India's first and largest Digital Arts College Festival. With a footfall of more than 30,000 events organized by industry leaders such as Nikon and workshops by National Award winners, FMC Weekend is an extravaganza like none other. The second event is Vista, IIT (BHU)'s annual photography and design exhibition. Held at Limbdi Corner with pumping music, Vista allows photographers and designers to present their finest work to a large audience.



The Council secured the Overall Champions Trophy in Design and Digital Arts Section in the fourth edition of Inter IIT Cultural Meet hosted by IIT Bombay.

Social Service Council

The Social Service Council embraces all the clubs which are dedicated to bringing about positive changes in our society. The Council is committed to developing and disseminating professional knowledge, identifying the community problems at micro levels, performing critical analysis, and drafting innovative solutions. Consequently, contribute to overall responsive social welfare.



The council believes that the inherent humane qualities and the spirit of volunteerism already existent in every individual need to be nurtured and further developed. These values and skills will be nourished to foster an all-pervasive sense of social service amongst the student fraternity by the four clubs of Social Service Council, Health and Hygiene Club, KashiUtkarsh, Sahyog Club, and Social Projects' Club.

Student Alumni Interaction Cell (SAIC)

SAIC is dedicated to foster 3-fold interaction among students, alumni, and the Institute, creating a vibrant community that provides opportunities to thrive for the benefit of the commonwealth. Under the guidance of the former Dean (Resource and Alumni Affairs), Prof. Rajeev Srivastava (Apr '23-Dec '23), and Dean (Resource and Alumni Affairs), Prof. Hiralal Pramanik (Jan '24- current), the cell further strengthened its alumni relations. The new SAIC team for session 2023-2024 was formed in December 2023.

The Alumni Visiting Faculty (AVF) program continued in the hybrid mode. The program witnessed renowned alumni taking full-credit courses as visiting faculty, with 9 alumni teaching 4 courses in the odd semester and 3 courses in the even semester. The courses received enrollment from 900+ students for the academic year 2023-24. The Alumni-Guided Mock Interviews were conducted across 2 drives for the intern and the placement season. It saw participation from 700+ students and 250+ alumni. A total of 830+ interviews were conducted in both drives for 8+ domains. SAIC enhanced its Social Media presence among alumni and students through 11 initiatives, including a collaborative video with the Cine Club, 10 Instagram reels with 50k+ views, 10 Alumni Achievement posts, and the release of "SAIC Wrapped" and "Hostel Diaries," also initiating the 'Know Your Alumni' series.

Under the “Beyond the Degree” initiative, SAIC collaborated with the Electronics Engineering Society, the Club of Programmers, The Business Club, the Research Cell, and more to organize more than 12 informative talks and workshops. Along with this, Student Executives from SAIC and other volunteers from the Institute ensured the smooth conduction of the Y-20 summit at RICCC from 17th to 20th August 2023 at Varanasi. The cell also organized the second edition of SARC TANK, a Pan IIT series of competitions in collaboration with the Alumni Cell, IIT Bombay. Volunteers from SAIC organized a booth during the 12th Convocation Ceremony, engaging the graduands in creative activities such as 'Wall of 2023', 'Nostalgic Notes,' 'Pin your memories,' and a photo booth for the 2023 graduates who became the alumni of IIT (BHU). SAIC's registration booth at the ceremony also motivated graduands to register themselves on the official Alumni Registration Portal.

Alumni Connect:

With the mission to strengthen the bond between the alumni and the students, frequent engaging sessions and formal/informal meets were organized both online and in person.

The annual Student Alumni Mentorship Program, aimed at providing personalized guidance and insights to students from the alumni, witnessed registrations from 450+ students who received one-on-one guidance from 140+ alumni mentors across 12 diverse domains. We also organized the Ask. The Alumni initiative as part of the previous program, which received registrations from 165+ students and around 50+ alumni. This initiative is specially curated for 1st-year students, targeting their holistic development.

Connect & Learn - the Student Alumni Meet-up saw an increase in participation from both students and alumni this year. We received 100+ student registrations and 50+ alumni registrations this year across the cities of Bangalore and Delhi.

To update the alumni community about the latest developments at the Institute, Student Alumni Interaction Cell (SAIC) released 11 editions of its monthly alumni newsletter- Alma Communiqué, from April 2023. Covering information from different sections of all the realms- students, alumni, and the Institute, the newsletter had an overall readership of 4000+ alumni from across the globe.

In the online setting, SAIC's website (saic.iitbhu.ac.in) acted as the single-point platform for all alumni services and updates throughout the year. It hosted 14,000+ users and touched a total of 51,000+ page views. Apart from increasing the awareness of the Alumni Registration Portal through its social media platforms, SAIC also converted its database to add 6,300+ members to the portal. The current registration stands at 18,139+. Moving forward, SAIC aims to build more alumni connections and closely knit the Institute's vast alumni network together. The UI/UX design and the front-end development of the new SAIC website have been completed. The back-end development is in process.

8. HEALTH CARE

The Institute has provision for a comprehensive Students Health Welfare Scheme through Students Health Care Complex of Banaras Hindu University (BHU), Varanasi. Indoor services are available at Sir Sunder Lal Hospital (superspecialty PG Hospital) and routine outdoor clinical service at University Students Health Care Complex centrally located in BHU Campus. To avail of this facility, a student has to get Health Diary issued from the University Students Centre Complex after completing the formalities as prescribed by the Students Health Care Complex.

Every bonafide student of the Institute is covered under this scheme, which covers the cost of investigations required in connection with the treatment done in S.S. Hospital, BHU, or recommended by University Students Health Care Complex. In an emergency situation, tests done outside the S.S. Hospital on recommendations of the consultant I/C of the case will also be covered, provided a certificate from the Head of the Department of Radiology/Pathology is attached stating that the test required could not be done in that department. In such cases, the rate of payment will be the same as has been fixed for the S.S. Hospital.

Students should visit the Students Health Care Complex, which will refer, if required, to a consultant at S.S. Hospital who, in turn, will advise for investigation. The investigations will be performed free of charge by the respective departments of the IMS/SSH like Radiology, Clinical Pathology, Immunology, Endocrinology, etc.

Under this scheme, the cost of indoor treatment of the students at S.S. Hospital will be free. This includes the cost of all investigations, operation charges, anesthesia, etc. However, the students will have to purchase medicines and claim reimbursement after being discharged from S.S. Hospital from the office of the Chief Medical officer/C, University Students Health Care Complex on the prescribed format.

Under no circumstances reimbursement will be made for medicines purchased for OPD treatment and room rent of Special Ward in S.S. Hospital, Banaras Hindu University. Students are required to approach University students' health care Centres with their *Registration Card* and fill up the *Health Diary registration Form* available at *University Students' Health Care Centre* and submit the same to the Chief Medical Officer In-charge, University students health care Centre.

The vehicle is available at the Procter office for emergent situations. Student needs to contact the control room of Procter office to avail this facility



Student Healthcare Complex, BHU



Sir Sunder Lal Hospital, BHU

9. SHREENIVAS DESHPANDE LIBRARY

Libraries play a vital role in institutes by supporting academic achievement, enhancing learning and development, and promoting intellectual growth. Libraries foster lifelong learning by providing resources, programs, and well-equipped study spaces for students to explore interests and develop skills. They also strive to provide resources and services for disabled students. The library system at the Indian Institute of Technology (Banaras Hindu University), Varanasi, comprises the primary Shreenivas Deshpande Library alongside five departmental libraries designed to underpin the institute's diverse educational, research, and extension initiatives. All Institute students, faculty members, and employees are entitled to use the library facilities by taking library membership.



Besides having an excellent print collection of over 1,50,000 books, journals, theses, dissertations, reports, standards, and pamphlets, the library also provides access to over 15,000 electronic journals, more than 3,500 e-books, and scientific, engineering, and technology databases. The library offers various facilities like a One-search library web catalogue, Library Mobile App, Collaborative Learning Space, Document Delivery Service, Inter-Library Loan, Remote Access facility, e-library, modern reading room, Meeting/presentation space, etc. The entire Library area is Wi-Fi enabled, CCTV monitoring, Reading table with power socket & power backup, fully centralized AC, etc. Students can come into the library with their laptops and personal copies. Library operational hours from 08:00 AM to 01:00 AM (midnight) during weekdays, including Saturdays, Sundays, and government holidays, ensuring extensive accessibility.

Digital Online Resources:

The library's reading materials collection is rich, diverse, and growing day by day.

Databases:

- **Begell House**
- DELNET Database
- MathSciNet
- **PressReader**
- SciFinder Scholar
- Scopus
- Springer Materials
- Web of Science

Standard:

- ACI MCP
- ASTM Standards
- Indian Standards(BIS)

E-Books:

- ASM Handbook Online
- Begell House
- Bloomsbury Architecture Library
- CBS - Architecture Planning and Design
- Elsevier (selected titles)
- McGraw Hill (selected Text and Reference books)
- Taylor & Francis (selected titles)
- Springer (selected titles)
- Wiley Online (selected titles)
- Royal Society of Chemistry (All e-books published up to 2016).
- South Asia Archives
- World E-book Library

Online e-Journals:

- Begell House (Engineering Research Collection)
- Bloomsbury Architecture Library
- Electrochemical Society
- Emerald Engineering Collection
- IEEE - IEEE/IET Electronic Library (IEL)
- Informa Healthcare
- Informs
- Institute of Physics
- JoVE Complete
- JSTOR
- Proceedings of the National Academy of Sciences
- Project MUSE
- Royal Society of Chemistry
- SAGE
- ScienceDirect
- SIAM Journals
- Springer
- Springer Nature
- Taylor & Francis
- The Optical Society of America
- Wiley Online Library

Research Support Tools:

The library provides several Research Support Tools and software to support the research activities. The research support tools and software available are as follows:

- Grammarly (Writing Enhancement Tools)
- Turnitin (Anti-Plagiarism Software)
- DrillBit (Anti-Plagiarism Software)
- Endnote 21 Desktop version and web Version (Reference Tool)
- LsRemote (Remote Access platform through LSDiscovery)
- LSDiscovery (Onesearch and full-text article download facility)
- Mobile App: LSDiscovery (Web OPAC, Remote, full-text article download, etc.)

Infrastructure/Services/Facilities:

The complete library is fully air-conditioned, has Wi-Fi enabled, is under CCTV surveillance, and is equipped with an alarming fire system. New reading hall with modern equipment, power backup, laptop charging connectivity on the reading tables, etc. The library provides the following services to support the teaching and research work:

- Circulation of Reading Materials
- Reference and Consultation
- Collaborative Learning/ Discussion Space
- Reading Hall facility
- Document Delivery Service (DDS)
- New Arrivals of Books
- Ask the Librarian
- e-Library

- Computer-Aided Reference Service
- Research Support
- Literature Search & other Services
- Remote Access facility (Digital resources)
- Discovery Service/Single Window Search
- Reminder alert service.
- Photocopying, Printing and Scanning facility, etc.
- Mobile App
- Meeting/presentation space

IT-Resources:

E-Library is available with modern IT-Infrastructure for accessing the library resources, including the online catalogue of holdings and e-resources. The library has a Wi-Fi facility for connecting to the internet and accessing Institutes' subscribed resources. A Photocopier machine, scanners & printers are available on a payment basis.

Library Timings:

Weekdays:

Main Block: The library is open from 09:30 AM to 07.30 PM (Monday to Friday) and Saturday and Government Holidays: 09:30 AM to 6:00 PM.

Reading halls: are open from 08:00 AM (morning) to 01:00 AM (midnight) all days.

Closed Days: The Library will remain closed on the following days: -

Republic Day, Independence Day, Mahatma Gandhi Birthday, Holi, Deepawali, Dussehra

Documents Circulation: Monday to Friday 09:45 AM - 7:15 PM and Saturday 9:45 AM to 05:45 PM

Library Registration:

- Students are required to visit the Library for registration with a hard copy/soft copy of the current academic fee receipt or Institute ID Card. Separate library cards will not issued as an Institute ID card is sufficient for entering the library and borrowing books.
- Clear all the library dues for the renewal of registration every semester.

Circulation and Membership:

All students, faculty members, and employees of the Institute are entitled to membership in the library. Their entitlements, books they can borrow, and the loan period are as under:

Category	No of Books	Loan Period	Fine (Beyond the Loan Period)
UG Students	General Section=03 Text Book Bank=04 ST/SC Book Bank=04 (only for SC/ST)	60 Days One Semester One Semester	Rs. 1 (per day/vol)
Physically Disabled Students	General Section=04 Text Book Bank=04	90 Days One Semester	Rs. 1 (per day/vol)
PG Students	General Section=06 Text Book Bank=02 ST/SC Book Bank=04 (only for SC/ST)	60 Days One Semester One Semester	Rs. 1 (per day/vol))

Important Library Rules:

- Please bring an Institute ID Card while using the library.
- Please maintain decorum, peace, and silence within the library's premises.
- Please handle Library materials with utmost care.
- Audible use of mobile phones and other electronic gadgets is prohibited in the library.
- Keep your personal belongings at the Property Counter.
- Food and drink items are not allowed in the library except for water.
- No material from the library should be taken out without proper issuing.
- Any type of violation may lead to a disciplinary action

Quick Links:

All in One/Discovery/Remote access/ OPAC: <https://iitbhu.lsdiscovery.in/home/dashboard>

Please give your feedback [Click here](#)

Request for call back [Click here](#)

Ask the Librarian: [Click here](#)

For more details, visit the library website: <https://www.iitbhu.ac.in/cf/lib>

Feel free to contact us for any queries or any type of help related to library services/or resources, you can mail to libraryservices@iitbhu.ac.in

Library Pictures (Reading Hall, e-Library and Periodical Section):



Library entrance



Reading hall-III



e-Library (Computer Lab)



Institute Faculty & Alumni Publication



Library entrance (Side View)



New Arrival Books



Hindi Pakhwada 2023



Director's Visit

10. CONDUCT AND DISCIPLINE

Code of Conduct

Each student shall conduct himself/herself in a manner befitting his/her association with an Institute of national importance. He/she is expected not to indulge in any activity which is likely to bring down the prestige of the Institute. He/She should also show due respect and courtesy to the teachers, administrators, officers, and employees of the Institute, and good neighborly behavior to fellow students. Due attention and courtesy are to be paid to visitors to the Institute and residents of the Campus. Lack of courtesy and decorum, unbecoming conduct (both within and outside the Institute), willful damage and/or removal of Institute property or belongings of fellow students, disturbing others in their studies, adoption of unfair means during examinations, breach of rules and regulations of the Institute, noisy and unseemly behavior and similar other undesirable activities shall constitute a violation of the Code of Conduct for students.

Ragging in any form is strictly prohibited and is considered a serious cognizable offense.

Disciplinary Actions and Related Matter

Violation of the Code of Conduct shall invite disciplinary action, which may include punishment such as reprimand, disciplinary probation, fine, debarring from examinations, withdrawal of scholarship and/or placement services, withholding of grades and/or degrees, cancellation of registration, and even expulsion from the Institute.

The convener of a course shall have the power to debar a student from the examination in which he/she is detected to be using unfair means. The teacher/tutor shall have the power to take appropriate action against a student who misbehaves in his/ her class. All such cases are also be reported to the appropriate committees.

The Senate Student Affairs Committee (S-SAC) investigates alleged misdemeanors, complaints, etc. and recommends a suitable course of action. Violation of the Code of conduct by an individual or of a group of students can be referred to this committee by a student, teacher, or another functionary of the Institute. Further, in very exceptional circumstances, the Chairman, Senate, may appoint a special committee to investigate and/or recommend appropriate action for any act of gross indiscipline involving an individual or a number of students, which, in his/her view, may tarnish the image of the Institute. The recommendation for any action, including expulsion of a student from the Institute, may be referred to the Senate for its final decision.

A student who feels aggrieved with the punishment awarded may, however, appeal to the Chairman, Senate stating clearly the case and explaining his/her position, and seeking reconsideration of the decision.

The Senate may decide not to recommend a student who is found guilty of some major offense for the award of a degree/diploma/certificate even if he/she has satisfactorily completed all the academic requirements.

11. HOSTEL ACCOMMODATION, RULES, AND REGULATIONS

Indian Institute of Technology (BHU) Varanasi provides on-campus housing to students and research scholars. Students are required to live in one of the 17 hostels throughout their stay at the Institute. There are 13 boy's hostels and four girl's hostels. All the hostels are equipped with a common room and indoor game facilities like table tennis, badminton, volleyball, etc. Inter-hostel competitions are organized for various games with the help of Gymkhana of the Institute. Integrated cultural programs are also arranged from time to time. Hostels at IIT (BHU) are conceived to be a home away from home. Safety, security, comfortable stay, cultivation of good habits, and health of the students are the primary concerns of the IIT (BHU) team of hostel administration. The team of Council of Wardens at IIT (BHU) encourages students to create a clean, congenial and lively environment on the campus to nurture an individual to grow as a responsible person of the society with a trait of academic and research excellence.

➤ Boys Hostels		➤ Girls Hostels	
1.	A.S.N. Bose Hostel	14.	Gandhi Smriti Hostel
2.	C.V. Raman Hostel	15.	Nivedita Girls Hostel
3.	Dhanrajgiri Hostel	16.	Limbdi Hostel
4.	Satish Dhawan Hostel	17.	Dr. S.C. De Girls' Hostel
5.	I.I.T. Boys' Hostel (Saluja)		
6.	Morvi Hostel		
7.	Rajputana Hostel		
8.	S. Ramanujan Hostel		
9.	Vishwakarma Hostel		
10.	Visvesvaraya Hostel		
11.	Vivekanand Hostel		
12.	Prafulla C Ray Hostel		
13.	Aryabhatta Hostel		



Satish Dhawan Hostel



IIT(BHU) Girls Hostel

Rules & Regulations of Indian Institute of Technology (BHU) Hostels

General Rules:

The Warden of a hostel has the power to reprimand, impose fines, or take any other suitable measure against a resident who violates either the Code of Conduct or rules and regulations pertaining to the hostels. The involvement of a student in ragging may lead to his/her expulsion from the Institute.

The students should be back in their respective hostels latest by 10.00 P.M. Students who are found outside their respective hostel premise after the stipulated time and involving in any violence or otherwise disturbing the peace on campus and privacy of IIT(BHU) community will be evicted from hostel forthwith apart from any other disciplinary action as deemed fit by the Institute.

In case a student wishes to stay out late or to remain absent overnight, he has to inform the warden concerned and obtain his written permission. Any student who has been found to stay outside the hostel without written permission of the Warden will be subjected to strict disciplinary action, which may amount to expulsion from the hostel. No visitor shall be permitted to stay in the rooms of residents after 10.00 P.M. No boarder shall accommodate a guest in his/her room without the written permission of the Warden.

A resident lodging an unauthorized person shall be subjected to a fine and such other disciplinary action as may be decided by the Administrative Warden or higher authorities. The Administrative Warden will be competent to levy fines on the student for any breach of hostel norms/discipline.

The hostel administration reserves the right to deny entry into the hostel to any visitor if, in its opinion, the visitor, including any student's guest, is likely to disturb peace and order in the hostel.

There will be the provision of furniture in the resident's room according to prescribed norms. No demand for additional furniture will be entertained. The inmate of a room is responsible for the care of all furniture and fittings in and near his room. Before leaving the hostel at the end of the session, he/she must hand over the room with all the furniture and things to the Warden and obtain a receipt thereof. Any damage other than wear and tear will be chargeable. In fact, the care of hostel property under the use of a resident is his responsibility. The residents found responsible for any damage or loss of the hostel property will be charged individually or collectively, as the case may be, and they may also be liable to disciplinary action. The decision of the Administrative Warden/Chairman, Council of Wardens (CoW) will be final in this regard.

The residents shall switch off lights, fans, and other electrical gadgets in their rooms while going out.

The Institute shall not be liable for any loss or damage to the personal belongings of the residents. They have to use their own locks in their rooms and take care of their personal belongings.

Indulgence in any act of intimidation or violence, or riotous behavior will be viewed seriously and firmly dealt with. The use of narcotics, consumption of alcoholic beverages, and gambling are strictly prohibited inside and outside of the hostel. The residents shall not organize any religious or political function (other than those related to students' activities) within the premises of the hostel except with the prior permission of the Director.

The Warden / Administrative Warden/Chairman, Council of Wardens (CoW) /Director of the Institute, reserves the right to inspect the hostel room at any time. Also, after intimating to the concerned Administrative Warden/ Warden, the proctorial board members may visit/raid the hostel for information on incidents.

Students are not allowed to hold any meeting or organize any activity within the hostel premises without the prior permission of the hostel administration concerned, and such permission should be normally sought at least 48 hours in advance of the meeting.

The residents have to make payment of all hostel dues as per prescribed intervals and

on-demand.

Students are permitted to use bicycles on campus. **Motorized vehicles are not allowed.**

Attendance

Every hosteller is required to be present in the hostel by 10.00 P.M. (boys & girls) daily (including holidays), and if hostellers coming late after 10.00 P.M., he /she should correctly sign the attendance register kept by the Warden concerned under his own constant supervision at a specified place. The Wardens check the register every working day.

A student who desires to be absent from the hostel must apply in writing in advance. Absence without leave shall render a student liable to a for the first time, and a repeated breach of this rule by any student shall render him liable to further disciplinary action. **The hostel gate should remain locked from 10.00 P.M. to 5.00 A.M.**

Leave

No boarder shall leave Varanasi during the semester time (except holidays). In case of emergency, boarders may leave with the written permission of the Warden.

Acts of Indiscipline & Misconduct

- a) Use of narcotics, consumption of alcoholic beverages, and gambling in any form.
- b) Leaving hostel overnight without prior permission in writing.
- c) Accommodation of guest(s) without prior written permission in the hostel.
- d) Holding of meeting or organizing any activity without Warden's permission in the hostel.
- e) Use of loudspeaker in the hostel without prior written permission.
- f) Use of electric heater/hot plate/induction heater in the hostel.
- g) Keeping motorcycle/scooter or any other motor vehicle
- h) Inviting people from outside the Institute to inaugurate functions without prior permission in writing.
- i) Non-vacation of the hostel after the prescribed period of stay.
- j) Non-payment of mess/hostel dues beyond the due date.
- k) Manhandling/physical assault on anyone in the hostel premises.
- l) Misbehavior with the staff of hostel/proctorial board and other persons charged with the duty to check Identity Card and entry etc.
- m) Removing furniture or other hostel property.
- n) Keeping firearms/knives, contraband material, etc.
- o) Ragging in any form inside or outside the hostel.
- p) Any other act as decided by Warden or CoW.

Complaints/Grievances

1. In the first instance, any grievance/complaint from a resident student or students should be referred to the Warden/Administrative Warden of the hostel who will be depending upon the nature of the complaint, ensure that it is processed by him/ her as speedily as possible.
2. When the resident student or students are not satisfied with the action taken by the Warden/Administrative Warden, the student can bring the grievance in writing to the Chairman, Council of Wardens (CoW) of the Hostels as soon as the decision of the Warden/Administrative Warden has been notified and in no case later than three weeks from the said decision.
3. There is a Grievance Redressal Cell for the students for addressing the faculty constituted by the Director. The students may appeal against the decision of the Chairman, CoW, in writing to the Grievance Redressal Cell. The decision of the Grievance Cell shall be final.

12. CENTRE FOR COMPUTING AND INFORMATION SERVICES

Centre for Computing and Information Services inaugurated on 6th April 2017 has been established as a central facility to provide 24x7 digital backbone to the Computing, Web, Email and Network services of the Institute. Centre for Computing and Information Services offers high-end computational servers, high availability web servers, network services, and provides a robust platform for various academic and research importunities of the Institute. The Centre has also managed licensed software, email services, and in-house software development for the Institute's needs. CCIS is one of the growing units, and projects are in the early-stage for developing it into a facility center poised horizontally to meet the crescent demand of computerization and software solutions required for scientific and research infrastructure of the Institute.

Services Offered

The centre provides user login and authentication to all the computer nodes and is responsible for running multiple software and license servers. The institute has licenses of the following software running on our servers:

- MathWorks Campus Wide License Standard Campus Configuration.
- ANSYS-Academic Multiphysics solution (50/500)
- Mathematica Software (Perpetual software, network version): 30 User licenses
- CST Studio Software (Perpetual) with basic components: 01 No each.
- Origin Lab Software (100, Network version, Perpetual license)
- MedeAVASP – 01 User (MedeA core GUI, Job/Task Server, VASP, VASP GUI, LAMMPS GUI, Infomatica, COD & COD GUI)
- Simulia ABAQUS- 2 Users license (Research Edition)
- Gaussian, GaussView, and TCP Linda Software: Site License for Linux Platform.

Users can login to the compute nodes and run their application using available purchased licensed software or open-source software.

➤ Hardware (Computing Services)

Seven Servers (5 Compute, 1 license and 1 LDAP) are available for providing the computing facility to all the students and faculty members of the Institute. Server are having following configuration:

- 1x Dell R-930 Server: Populated with 4x18 core of Intel Xeon E7-8870 v3 @ 2.10 GHz processor with 45MB L3 Cache, 256GB DDR4 RAM, 8 x 1.2TB 15K hot plug SAS, 01 NVIDIA Tesla P4 GPU
- 3xDell R-730 Server: Populated with 2x10 core of Intel® Xeon® processor E5- 2660v3 @ 2.60 GHz with 25MB L3 Cache, 2U Form factor, 128 GB DDR4 RAM, 3 X 600GB 15K hot plug SAS.
- 1xDell R-540 Server: 2 X Intel® Xeon® Silver 4114 2.2G, 10C/20T, 9.6GT/s, 96GB RAM, 3 X 600GB 10K RPM SAS 12Gbps HDD
- 1xDell R-440 Server: 2 X Intel® Xeon® Gold 6132 2.6G, 14C/28T, 10.4GT/s, 12 X 16GB RAM, 3 X 600GB 10K RPM SAS 12Gbps HDD
- GPU Computer Server: Populated with 2 x Intel Xeon E5-2609 v4 (8 Cores, 20M Cache, 1.70 GHz), 128GB DDR4 RAM, 8 Nos. NVIDIA GeForce GTX-1080Ti 11GB GDDR5x, 3584 CUDA cores.

Storage Service

Providing space for the storage requirement for running scientific and research applications of the faculty and students. It is integrated with web servers to provide space for the Institute website and other portals being managed by CCIS.

➤ Hardware (Storage Services)

- Dell SC4020 Storage with FS8600 NAS: Two controllers running in an active-active

mode with automatic failover to each other in case of one controller failure with 20 TB on SAS 10K RPM drives and 100 TB on NL-SAS drives with 105 TB raw capacity (Approx. 70TB usable considering the RAID overhead).

Web Services

Total Four web servers are running 24x7 to meet the web hosting need of the institute. Two web servers are running for hosting our Institute website in primary and backup mode. These servers are configured with RHEL Operating System. Institute's website is built in-house, and it has replaced several small websites running earlier on different domains and servers, making it a truly one website of IIT(BHU) Varanasi. It incorporates all the departments, schools, units, offices and covers all the activities governed by the Institute, placing a uniform structure throughout. In addition, it has decentralized access for website content modification and individual login for all the faculties to maintain their profile. Other two web servers are running with Ubuntu and Widows server 2016 operating systems. Recently 04 new web servers were installed to meet the increasing hosting and backup need of the institute. These server are being used for hosting web portal like Alumni Giving Back Portal, Non Faculty Recruitment, Appraisal, Best Faculty Award, Guest House Booking, CIFIC Portal and Services Portal, Grievance Portal etc.

➤ **Hardware (Web Services)**

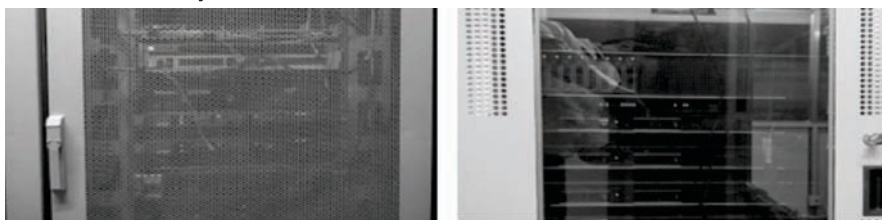
- 2xDell R-730 Server: Populated with 2x10 core of Intel® Xeon® processor E5- 2660v3 @ 2.60 GHz with 25MB L3 Cache, 2U Form factor, 128 GB DDR4 RAM, 3 X 600GB 15K hot plug SAS
- 2xDell R-440 Server: 2 X Intel® Xeon® Silver 4114 2.2G, 10C/20T, 9.6GT/s, 96GB RAM, 3 X 600GB 10K hot plug SAS
- 4X HPE ProLiant DL360 Gen10 Plus server, 2x Intel Xeon-Silver 4310 2.1GHz, 18MB, 3x1.2TB SAS 10K RPM HDD, 2x 32GB DDR4 RAM

Email Services

Facilitating email services to all faculty members, students, and staff of the Institute using G Suite Education plus Subscription for Higher Academic Institution. Services include email services, classroom, drive etc. The entire users are allocated in various groups as per their department, section, offices, and designation, restricting them access over individual groups for sending emails.

Network Services

Network Infrastructure at IIT (BHU) provides wired connectivity and mobility with the latest wireless security with benefits of seamless roaming and connectivity anywhere and anytime to the users within the campus. The network comprises of CORE, DISTRIBUTION, and ACCESS layer switches across the campus. Core–The distribution layer is on 10 G and the Distribution to Access layer is on 1G/10G. Deployment of WLAN comprises of Cisco WLAN Controller in High availability mode for easy access of Wi Fi within the campus. Along with LAN connectivity, every Department, Hostel, Teachers' Flat, and Guesthouse, is also deployed with Indoor and Outdoor APs to get seamless Wi Fi connectivity. The total fiber layout is more than 18 kms within the IIT (BHU) campus. There are more than 8000+ users, including Faculty, Staff and Students, to access the internet through Wi Fi or LAN. The whole infrastructure includes 350+ switches and more than 1200 APs for indoor and outdoor network connectivity. The institute has 10 GBPS NKN connectivity.



Network Computer and Web Server Racks

13. CENTRAL INSTRUMENT FACILITY

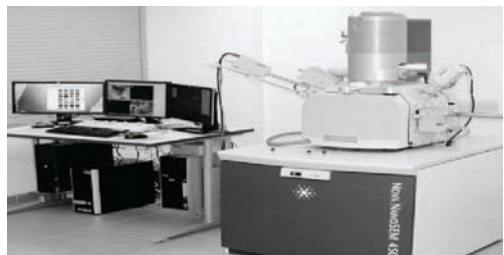
Central Instrument Facility (CIF) is one of the newly formed Specialized Core Facilities at the Indian Institute of Technology (Banaras Hindu University), Varanasi.

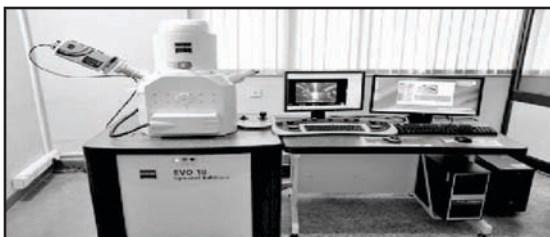


The CIF is offering a complement of sophisticated instruments and technical expertise to support faculty/student research and industrial R&D. This centre serves the needs of both internal and external researchers; both academic and industry users benefit from the sophisticated facilities here. Such a facility represents a significant commitment to preserving and improving research efficiency to providing a high standard.

“Our mission is to provide futuristic research infrastructure and quality education services in support of advanced instrumentation.”

We are pleased to provide these services to the user *via* an easy-to-use booking system that requires minimal human participation. Professor in-charge leads the CIF, which is staffed by full-time professionals and scientists, each with their particular area of specialty. For the smooth operation of the instruments, PG student assistants are also available

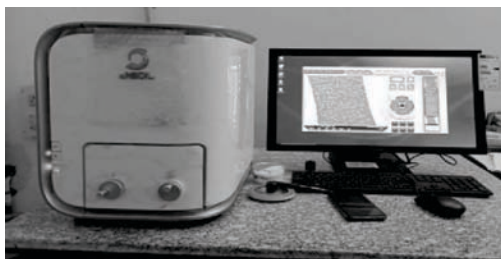
List of CIF Instrument: Updated List	
 High Resolution Transmission Electron Microscope (HR- TEM): Model: Tecnai G² 20 TWIN Company: FEI Company of USA (S.E.A.) PTE, LTD EDS: TEAM EDS SYSTEM with Octane Plus SDD Detector Company: EDAX Inc.	 High Resolution Scanning Electron Microscope (HR- SEM) Model: Nova Nano SEM 450 Company: FEI Company of USA (S.E.A.) PTE, LTD EDS: Team Pegasus Integrated EDS-EBSD with Octane Plus and Hikari Pro Company: EDAX Inc.



Scanning Electron Microscope (SEM)
Model: EVO - Scanning Electron Microscope MA15 / 18
Company: CARL ZEISS MICROSCOPY LTD.
EDS: 51N1000 – EDS System
Company: Oxford Instruments Nanoanalysis



Scanning Probe Microscope (SPM)
Model: NTEGRA Prima
Company: NT-MDT Service & Logistics Ltd.



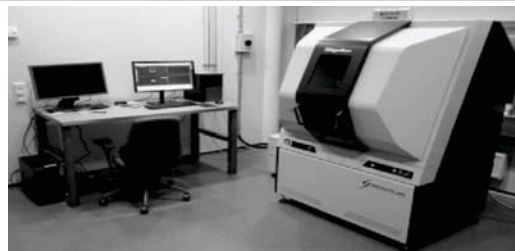
Bench Top Scanning Electron Microscope (BT- SEM)
Model: SEM JCM-7000
Company: JEOL Ltd.



Nuclear Magnetic Resonance Spectroscopy 500MHz (NMR)
Model: AVH D 500 AVANCE III HD 500 MHzOneBay NMR Spectrometer
Company: BRUKER BioSpin INTERNATIONAL AG



PCB Prototyping Machine (PCB)
Model:LPKF-PCBProtoMat S103
Company: LPKF Laser & Electronics AG



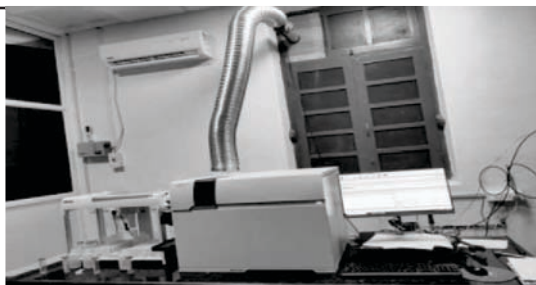
High Resolution X-Ray Diffraction (HR-XRD)
Model:RigakuSmartLab 9kW Powder type (without xcradle)
Company: RIGAKU Corporation



Bench Top X-Ray Diffraction (BT- XRD)
Model:RigakuMiniflex 600 Desktop X-Ray Diffraction System
Company: RIGAKU Corporation



Ion – Chromatography (IC)
Model:Dual channel 930 Compact IC Flex ChS/PP --- Metrohm
Company:Metrohm AG



Inductively Coupled Plasma Mass Spectrometry (ICP-MS)
Model: Agilent 7800 ICP-MS mainframe
Company: Agilent Technologies



Surface Area Measurement Facility (BET)
Model: BELLSORP MAX II & BELCAT-II
Company: MicrotracBEL Corp



Thermogravimetric Analysis (TGA)
Model: TGA-50
Company: M/s Shimadzu (Asia Pacific) Pte Ltd.



Differential Scanning Calorimetry (DSC)
Model: DSC-60 Plus
Company: M/s Shimadzu (Asia Pacific) Pte Ltd



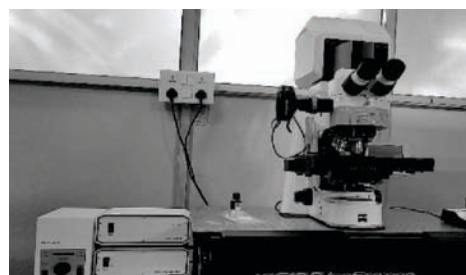
Fourier Transform Infrared Spectroscopy (FTIR)
Model: Nicolet iS5
Company: THERMO Electron Scientific Instruments LLC



X-ray photoelectron spectroscopy (XPS)
Make: K-Alpha
Company: Thermo Fisher Scientific



Thermal mechanical Physical Simulator and Testing Equipment
Company: Dynamic System Inc.
Model: Gleeble -3800 - GTC



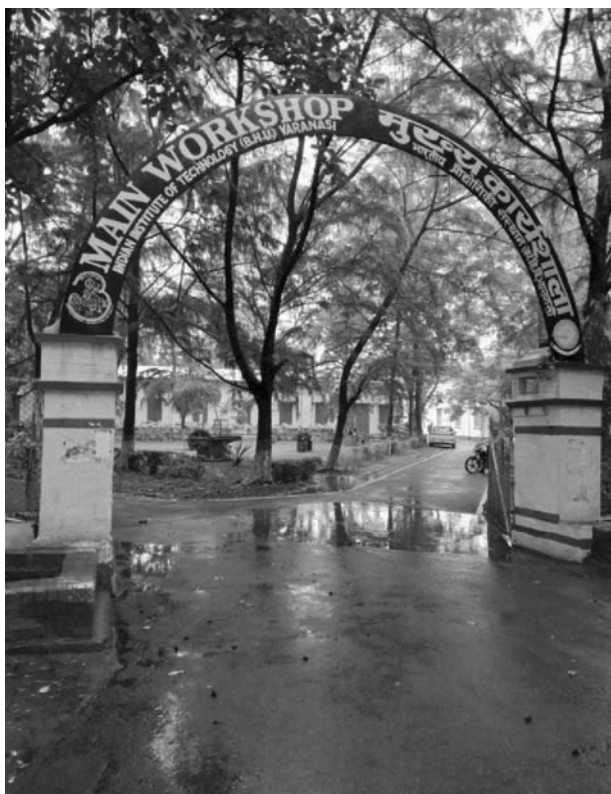
Confocal Laser Scanning Microscopy
Company: Carl Zeiss Microscopy GMBH
Model: LSM 900

14. SUPERCOMPUTING CENTRE

A Supercomputing Center (named as PARAM SHIVAY) having Rpeak of 589 TFLOPS has been set up in the Institute under the National Supercomputing Mission. The center was inaugurated by the Honorable Prime Minister Shri Narendra Modi on 19th February, 2019, under National Super Computer Mission. This is the first super computer developed and installed under this mission (launched in 2015 as part of Make in India initiative) in India by MeitY. The hardware has been manufactured at a plant in Chennai by the French company Atos. The system is a judicious mix of CPUs and GPUs and High Memory nodes with relevant system and application software based on Open Source. 60% of the processing power is for local use by the IIT (BHU) and BHU research community and 40% is provided for other CFTIs and research labs across the nation.



15.MAIN WORKSHOP



IIT(BHU) Main Workshop aims *to advance and diffuse such scientific, technical and professional knowledge combined with necessary practical training at the best calculated to help in promoting indigenous industries and in developing the material resources of the country.* IIT(BHU) workshop was used to produce every engineering items for producing machine tools – such as, Lathe and other product like electric fans, etc. This unit provides technical assistance for the maintenance and fabrication of their needed items. It may kindly be noted that, this unit is still supported by teaching department, i.e., the Mechanical Engineering Department, in terms of machines and manpower, providing technical and on job training to less privileged section of the society. This would be making extra manpower available to the IIT for producing useful products and taking various kinds of maintenance work, thereby saving enormous amount of money of the IIT. For example, new challenges of manufacturing and innovation is

maintained by this workshop. The Precision Engineering Hub (PEH) services at IIT (BHU) is a central facility working for concept design and product realization available for Faculties & Industries to develop new products. The processes of design, simulation and manufacturing are integrated in a digital environment through spaces like: Makers space, Designer space, Tool room & product Design and development spaces. The PEH facility also serves the professional course requirements of industries & MSME employees of various streams. It also provides infrastructure for sponsored research and industrial consultancy. The PEH houses state of the art CAD and CAM tools with latest capabilities in shape acquisition, modeling and prototyping. The facility is chargeable to have helping hand in radically expanding the domain of geometric shapes that can be realized for any product.

Major areas of Research/Work -

1. Training to B.Tech. Part-I students of all branches and B.Tech. Part-II Mech. Engg. Students to expose them to various manufacturing practice and processes.
2. Providing facilities for fabrication involved in project work to all the engineering students.
3. Helping students by way of fabricating the models and equipments for research.
4. Helping students by way of fabricating the models for Institutional Tech. Fest & Department fest like: Technex, Comet, etc.
5. Helping students in shaping the product that comes out of their creative & innovative thinking.
6. There are many new initiatives in recent time ago Precision Engineering Hub, Tinker Lab. startup etc.



FOUNDRY PRACTICE



VERTICAL MILLING MACHINE



RADIAL DRILL MACHINE



POWER HAMMER



ARC WELDING



GAS WELDING



INJECTION MOULDING



INVESTMENT CASTING

 FULLY AUTOMATIC BAND SAW MACHINE	 SECTIONAL CUT MODEL OF FOUR STROKE PETROL ENGINE
 MACHINE SHOP	 ELECTROPLATING SHOP

PRECISION ENGINEERING HUB

भारतीय
प्रौद्योगिकी
संस्थान
बनारस हिन्दू विश्वविद्यालय

IIT

INDIAN
INSTITUTE OF
TECHNOLOGY
BANARAS HINDU UNIVERSITY

अयनांश अभियांत्रिकी हब

PRECISION ENGINEERING HUB

(An ecosystem: Idea to Product)

• Makers Space
रचनाकार स्थल

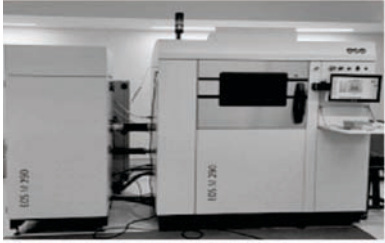
• Desinger Space
डिजाइनर स्थल

• Tool Room Space
दूलरुम स्थल

• Product Design & Development Space
उत्पाद डिजाइनर और विकास स्थल

The Precision Engineering Hub (PEH) facility at IIT (BHU) is a 24x7 central facility that is open to the students, staff and faculty members. It is an initiative at IIT (BHU), established with a goal to provide support to students, faculties, and industries in the development of new products or improvement of the existing products. The PEH facility is planned to provide a systematic digital integration of design, simulation, and manufacturing. The digital environment of the facility is structured into four spaces namely the Makers space, Designer space, Tool room space, and Product Design and Development space.

The major equipments in the PEH facility are HP Multijet 3D Printer, Composite 3D Printer (MARK X 7), FDM 3D Printer (Ultimaker), CNC Lathe Machine, CNC Milling Machine, CNC Laser Cutting Machine and Inverter Air Plasma Arc Cutting. Recently, two new advance manufacturing systems namely Metal 3D Printer (EOS M290) and PCB Printing (ProtoLaser U4) have been added to PEH Lab. Through its unique digital environment, the PEH facility aims to provide professional training to students, industries and MSME employees.

 Metal 3-D printer	 Colour 3-D printer
 CNC Laser cutter	 CNC Milling machine
 CNC TRAIN MASTER (TURNING)	 CNC TRAIN MASTER (MILLING)
 CNC TURNING (EMCO)	 TMC (TURN MILL CENTRE)

16. IKS Center @IIT(BHU) Varanasi

Under the aegis of the Indian Knowledge System (IKS) Cell of the Ministry of Education of our country, 13 IKS centers were awarded throughout the country against 120 proposals for such centers, early this year. We at IIT(BHU) Varanasi are glad to house one such IKS center in which we are focusing on the four themes namely,

- A) Sastra (Nyaya)
- B) Holistic medicine and wellness
- C) Mathematics and astronomy of India
- D) Chemistry of dyes, pigments, chemicals used in India

Our IKS Center@IITBHU endeavours to contribute significantly in nurturing and integrating the age old Indian Knowledge in all curricular aspects which is indeed one of the mandates of NEP2020.

17. Training and Placement Cell

Structure and Working

The Training & Placement Office at IIT (BHU) Varanasi facilitates student placements and collaborates with leading organizations for internships and training programs. This office liaises with various industrial establishments and corporate houses to conduct campus interviews for selecting graduate and post-graduate students from all disciplines.

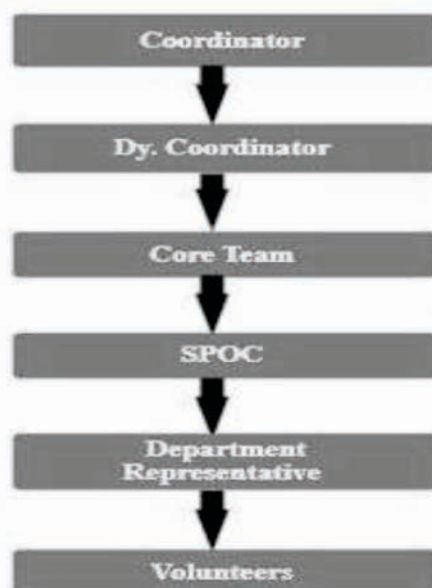
The office provides infrastructure for group discussions, tests, and interviews while also managing logistics for the recruitment process. Nearly 300+ companies visit the campus annually, representing sectors such as core engineering, IT and IT-enabled services, manufacturing, consultancy, finance, management, and R&D laboratories.

The placement season runs from late July to March, with Pre-Placement Talks conducted as per mutual convenience. Job offers, interview dates, and candidate selections are announced through the Training & Placement Office. A committee of student representatives from undergraduate and postgraduate engineering streams assists the office in developing and implementing policies throughout the year.

The team of student representatives work under the supervision of Coordination Committee at the Training & Placement Office. The visual format of hierarchy chart represents the composition, coordination and organizational setup of TPC.

- **The Core Team:** Assists the Coordination Committee in achieving excellence in internship and full-time hiring.

- **SPOC**: Coordinates with visiting organizations.
- **Departmental TPR**: Represents the concerns of students from their respective batches and disciplines and assists in the hiring process.
- **TPV**: Helps during the hiring procedure.
- **Web Team**: Provides Digital Platform Support.



The Training and Placement Cell is well-equipped with excellent facilities to support every stage of the placement process, including:

- An end-to-end online system for students
- Auditoriums for workshops and Pre-Placement Talks
- Tele-interview rooms
- Video-conferencing facilities
- A fully computerized and air-conditioned office
- Proctored tests administered by the Training and Placement Cell (TPC)
- Infrastructure to support online/offline screening tests

The Training and Placement Cell actively facilitates various workshop programmes to equip our students with the necessary skills and train them for all recruitment-related activities, such as HR Interviews, Group Discussions, and Technical assessments.

One such event which is hosted by the Training and Placement Cell is the Career Development Programme. The Career Development Programme, launched by the Training and Placement Cell at IIT (BHU) Varanasi, aims to connect industry needs with the skills of students seeking internships and jobs. This initiative provides a platform for direct collaborative interaction between recruiters and students.

The program's events offer a unique chance for companies to engage with IIT (BHU) Varanasi's talent pool. Highlights include:

- Guest lectures by industry leaders.
- Workshops, guided projects, and hackathons aligned with industry standards.
- Direct student-recruiter interactions via exhibition booths.
- Upskilling activities covering resume writing, professional networking, and interview etiquette.
- All of these events combined had a footfall of over 3000 students.
- Events were organized to improve the quality of Quant and SDE roles through hiring events and specialized workshops on Quantitative Finance and other technologies.

ANNEXURE – I

June 20, 2024



INDIAN INSTITUTE OF TECHNOLOGY (BHU) Academic Calendar 2024-25 (Odd Semester)

EVENTS	DATES
Opening of Online Registration for all students except B.Tech., B.Arch. & IDD First Semester students	Jul 10, 2024 (Wed)
Physical Registration & Last date for Online Registration for all students except B.Tech., B.Arch. & IDD First Semester students	Jul 18, 2024 (Thu)
Start of Classes except B.Tech., B.Arch. & IDD First Semester Students	Jul 19, 2024 (Fri)
Last date for Online Registration & Date of Physical Registration/Orientation for B.Tech., B.Arch. & IDD First Semester students	Jul 29, 2024 (Mon)
Classes Begin for B.Tech., B.Arch. & IDD First Semester	Jul 30, 2024 (Tue)
Last date for Late Registration (with late fee)	Jul 30, 2024 (Tue)
Last date of receiving overload/underload recommendation from DUGC/DPGC	Jul 26, 2024 (Fri)
Last date of Adding/Dropping of Courses and Locking of Registration Portal	Jul 26, 2024 (Fri)
Last Date for withdrawal from any of the courses/Semester Drop	Aug 16, 2024 (Fri)
Mid Term Examination	Sep 09 – 13, 2024 (Mon-Fri)
Last Date for Document Submission (PG Students)	Sep 17, 2024 (Tue)
Display of Mid Term Examination Marks	Sep 25, 2024 (Wed)
Intra-Semester Recess	Oct 10 – 14, 2024 (Thu – Mon)
Spardha	Oct 18-20, 2024 (Fri-Sun) [Tentative] (Classes will remain suspended on Oct 18 (Fri))
Classes End	Nov 08, 2024 (Fri)
End Semester Examination (Theory Examination should be completed for all by Nov. 27 and all exams for III, VII and IX Sem. (B.Tech./B.Arch./IDD) Students should be completed by Nov. 27)	Nov 11 – 27, 2024 (Mon-Wed)
Last date of sending list of Open elective/Departmental Elective/HULM courses for Even Semester 2024-25 to Academic Section by DUGC/DPGC	Nov 27, 2024 (Wed)
Make-up Examination	Dec 02 – 04, 2024 (Mon – Wed)
Last Date for submission of Grades	Dec 06, 2024 (Fri)
Declaration of End Semester Examination Results	Dec 13, 2024 (Fri)
Winter Break	Nov 28 – Dec 22, 2024 (Thu – Son)
Opening of Online Registration for Even Semester 2024-25	Dec 20, 2024 (Fri)
Physical Registration for Even Semester 2024-25	Dec 30, 2024 (Mon)
Classes start for Even Semester 2024-25	Dec 31, 2024 (Tue)

Note: 1. There will be NO INTRA-SEMESTER RECESS & SEMESTER BREAK for M.Tech., M.Pharm., M.Sc., IDD after 8th Semester and Ph.D. students.
2. A late fee of Rs. 500/- per day will be charged for late registration.
3. Convocation – October 09, 2024.


DEAN
(ACADEMIC AFFAIRS)

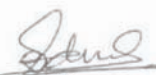


जून 20, 2024

भारतीय प्रौद्योगिकी संस्थान (का0हि0वि0) शैक्षणिक कैलेंडर - 2024-25 (विषम सेमेस्टर)

आयोजन	तिथियाँ
ऑनलाइन पंजीकरण शुरू करने की तिथि समस्त छात्रों के लिए, प्रथम सेमेस्टर के छात्रों को छोड़कर	जुलाई 10, 2024 (बुध)
भौतिक पंजीकरण एवं ऑनलाइन पंजीकरण की अंतिम तिथि समस्त छात्रों के लिए, प्रथम सेमेस्टर के छात्रों को छोड़कर	जुलाई 18, 2024 (शुक्र)
कक्षाओं का प्रारंभ समस्त छात्रों के लिए, प्रथम सेमेस्टर के छात्रों को छोड़कर	जुलाई 19, 2024 (शुक्र)
ऑनलाइन पंजीकरण की अंतिम तिथि तथा भौतिक पंजीकरण/ओरिएंटेशन (दिशानिर्देश) की तिथि बी.टेक., बी.आर्क. एवं आईडीडी प्रथम सेमेस्टर के छात्रों के लिए	जुलाई 29, 2024 (सोम)
बी.टेक., बी.आर्क., आईडीडी प्रथम सेमेस्टर के छात्रों के लिए कक्षाओं का प्रारंभ	जुलाई 30, 2024 (मंगल)
देर से पंजीकरण की अंतिम तिथि (विलंब शुल्क के साथ)	जुलाई 30, 2024 (मंगल)
विभागीय स्नातक समिति/विभागीय परास्नातक समिति से ओवरलोड/अंडरलोड सिफारिश प्राप्त करने की अंतिम तिथि	जुलाई 26, 2024 (शुक्र)
पाठ्यक्रमों को जोड़ने/छोड़ने और पंजीकरण पोर्टल को लॉक करने की अंतिम तिथि	जुलाई 26, 2024 (शुक्र)
किसी भी पाठ्यक्रम वापसी के लिए अंतिम तिथि/सेमेस्टर ड्राप	अगस्त 16, 2024 (शुक्र)
मध्यावधि परीक्षा	सितम्बर 09-13, 2024 (सोम-शुक्र)
दस्तावेज जमा करने की अंतिम तिथि (परास्नातक छात्रों के लिए)	सितम्बर 17, 2024 (मंगल)
मध्यावधि परीक्षा के अंकों का प्रदर्शन	सितम्बर 25, 2024 (बुध)
अंतर-सेमेस्टर अवकाश	अक्टूबर 10-14, 2024 (शुक्र-सोम)
स्पर्धा	अक्टूबर 18-20, 2024 (शुक्र-रवि) [संभावित] (18 अक्टूबर (शुक्र) को कक्षाएं निलंबित रहेंगी)
कक्षा समाप्ति	नवम्बर 08, 2024 (शुक्र)
अंतिम सेमेस्टर की परीक्षा (तत्कालिक परीक्षा सभी के लिए 27 नवम्बर तक पूरी होनी चाहिए और समस्त परीक्षाएं तीसरे, सातवें, एवं नवें सेमेस्टर के (बी.टेक., बी.आर्क. एवं आईडीडी) छात्रों का 27 नवम्बर तक पूरी होनी चाहिए)	नवम्बर 11- 27, 2024 (सोम-बुध)
विभागीय स्नातक समिति/विभागीय परास्नातक समिति द्वारा शिक्षण अनुभाग को सम-सेमेस्टर 2024-25 के लिए ओपेन ऐच्छिक/विभागीय ऐच्छिक/एचयूएलएम पाठ्यक्रमों की सूची भेजने की अंतिम तिथि	नवम्बर 27, 2024 (बुध)
मेक-अप परीक्षा	दिसम्बर 02-04, 2024 (सोम-बुध)
रोड जमा करने की अंतिम तिथि	दिसम्बर 06, 2024 (शुक्र)
अंतिम सेमेस्टर परीक्षा के परिणामों की घोषणा	दिसम्बर 13, 2024 (शुक्र)
सर्वियों की छुट्टी	नवम्बर 28-दिसम्बर 22, 2024 (शुक्र-रवि)
सम सेमेस्टर 2024-25 के लिए ऑनलाइन पंजीकरण शुरू करने की तिथि	दिसम्बर 20, 2024 (शुक्र)
सम सेमेस्टर 2024-25 के लिए भौतिक पंजीकरण	दिसम्बर 30, 2024 (सोम)
सम सेमेस्टर 2024-25 के लिए कक्षाओं का प्रारंभ	दिसम्बर 31, 2024 (मंगल)

- टिप्पणी : 1. एम0टेक0, एम0कॉम0, एम0एससी0, आईडीडी 8वें सेमेस्टर के बाद तथा पीएचडी के छात्रों के लिए अंतर सेमेस्टर अवकाश एवं सेमेस्टर अवकाश नहीं होगा।
2. देर से पंजीकरण के लिए ₹0 500.00 प्रति दिन की दर से विलंब शुल्क लिया जायेगा।
3. दीक्षाया समाप्ति - अक्टूबर 09, 2024


अधिष्ठाता
(शैक्षणिक कार्य)



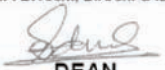
June 20, 2024

INDIAN INSTITUTE OF TECHNOLOGY (BHU)

Academic Calendar 2024-25 (Even Semester/Summer Term)

EVENTS	Even Semester	Summer Term
Opening of Online Registration for all students	Dec 20, 2024 (Fri)	May 19, 2025 (Mon)
Last date for Online Registration for all students	Dec 30, 2024 (Mon)	
Physical Registration for all students	Dec 30, 2024 (Mon)	May 20, 2025 (Tue)
Start of Classes for all students	Dec 31, 2024 (Tue)	
Last Date for Late Registration (with Late Fee)	Jan 03, 2025 (Fri)	May 23, 2025 (Fri)
Last date of receiving overload/ underload recommendation from DUGC/DPGC	Jan 03, 2025 (Fri)	---
Last date of Adding/Dropping of Courses and Locking of Registration Portal	Jan 03, 2025 (Fri)	May 23, 2025 (Fri)
Kashiyatra	Jan 17-19, 2025 (Fri-Sun) [Tentative] (Classes will remain suspended on Jan 17, 2025)	
Last Date for Withdrawal from any of the Courses	Jan 28, 2025 (Tue)	---
IIT(BHU) Alumni Interaction	Feb 07-09, 2025 (Fri-Sun) [Tentative]	
Mid Term Examination	Feb 13-19, 2025 (Thu-Wed)	Jun 10 – 12, 2025 (Tue-Thu)
Election of Parliamentarians for Students' Parliament 2025-26	Mar 03, 2025 (Mon) [Tentative] (Classes will remain suspended on Mar 03, 2025)	
Intra-Semester Recess	Mar 12- 16, 2025 (Wed-Sun)	---
Technex & Institute Day	Mar 21-23, 2025 (Fri-Sun) [Tentative] (Classes will remain suspended on Mar 21, 2025)	
Classes End	Apr 22, 2025 (Tue)	Jul 04, 2025 (Fri)
M.Tech./M.Pharm. Thesis Submission Starts	Apr 23, 2025 (Wed)	---
End Semester Examination	Apr 24 – May 09, 2025 (Thu- Fri)	Jul 07 – 10, 2025 (Mon-Thu)
Make-up Examination	May 13 – 15, 2025 (Tue-Thu)	Jul 14, 2025 (Mon)
Last Date for Submission of Grades of End Semester/ Make-up Examinations and Conversion of 'I' Grades	May 16, 2025 (Fri)	Jul 17, 2025 (Thu)
Last Date of sending list of Open Elective/ Departmental Elective/HULM Courses for Odd Semester 2025-26 to academic section by DUGC/DPGC	May 16, 2025 (Fri)	---
Declaration of End Semester Examination Results	May 17, 2025 (Sat)	Jul 18, 2025 (Fri)
Summer Vacation	May 10 – Jul 16, 2025 (Sat-wed)	
Opening of Online Registration for Odd Semester 2025-26 for all students except First Semester students	Jul 11, 2025 (Fri)	
Physical Registration for Odd Semester 2025-26 for all students except First Semester students	Jul 17, 2025 (Thu)	

- Note: 1. Registration for Odd Semester 2025-26, for the students who have appeared in Summer Term Examination 2024-25 will be provisional till their Summer Term Examination results are declared.
 2. Summer Training for Part III students will be between May 16 and July 12, 2025.
 3. Registration date for the session 2025-26 for the first year B.Tech. B.Arch. and IDD students will be notified later.
 4. There will be no summer vacation and intra-semester recess for M.Tech., M.Pharm., M.Sc., IDD after 8th Semester and Ph.D. students.
 5. A late fee of Rs. 500/- per day will be charged for late registration.
 6. Classes for the odd Sem. for the session 2025-26 will start on Friday, July 18, 2025 except for the Sem.-I B.Tech., B.Arch. & IDD students.


DEAN
(ACADEMIC AFFAIRS)



जून 20, 2024

भारतीय प्रौद्योगिकी संस्थान (का0हि0वि0) शैक्षणिक कैलेंडर - 2024-25 (सम सेमेस्टर / ग्रीष्म सत्र)

आयोजन	सम सेमेस्टर	ग्रीष्म सत्र
ऑनलाइन पंजीकरण शुरू करने की तिथि समस्त छात्रों के लिए	दिसम्बर 20, 2024 (शुक्र)	मई 19, 2025 (सोम)
ऑनलाइन पंजीकरण की अंतिम तिथि समस्त छात्रों के लिए	दिसम्बर 30, 2024 (सोम)	
भौतिक पंजीकरण की अंतिम तिथि समस्त छात्रों के लिए	दिसम्बर 30, 2024 (सोम)	मई 20, 2025 (मंगल)
कक्षाओं का प्रारंभ समस्त छात्रों के लिए	दिसम्बर 31, 2024 (मंगल)	
देर से पंजीकरण की अंतिम तिथि (विलंब शुल्क के साथ)	जनवरी 03, 2025 (शुक्र)	मई 23, 2025 (शुक्र)
विभागीय स्नातक समिति/विभागीय परास्नातक समिति से ओवरलोड/अंडरलोड सिफारिश प्राप्त करने की अंतिम तिथि	जनवरी 03, 2025 (शुक्र)	—
पाठ्यक्रमों को जोड़ने/छोड़ने और पंजीकरण पोर्टल को लॉक करने की अंतिम तिथि	जनवरी 03, 2025 (शुक्र)	मई 23, 2025 (शुक्र)
काशीयात्रा	जनवरी 17-19, 2024 (शुक्र-रविवार) [समावित] (17 जनवरी (शुक्र) को कक्षाएं निलंबित रहेंगी)	
किसी भी पाठ्यक्रम वापसी के लिए अंतिम तिथि	जनवरी 28, 2025 (मंगल)	—
भारतीय प्रौद्योगिकी संस्थान(का0हि0वि0) का पूर्वछात्र सम्मेलन मध्याह्नि परीक्षा	फरवरी 07-09, 2025 (शुक्र-रविवार) [समावित] फरवरी 13-19, 2025 (गुरु-बुध)	जून 10-12, 2025 (मंगल-गुरु)
छात्र संसद 2025-26 के लिए संसदों का चुनाव	मार्च 03, 2025 (सोम) [समावित] (03 मार्च (सोम) को कक्षाएं निलंबित रहेंगी)	
अंतर-सेमेस्टर अवकाश	मार्च 12-16, 2025 (बुध-रविवार)	—
टेकनेक्स और संस्थान दिवस	मार्च 21-23, 2025 (शुक्र-रविवार) [समावित] (21 मार्च (शुक्र) को कक्षाएं निलंबित रहेंगी)	
कक्षा समाप्ति	अप्रैल 22, 2025 (मंगल)	जुलाई 04, 2025 (शुक्र)
एम0टेक0/एम0फार्म0 थिसिस जमा करने का प्रारंभ	अप्रैल 23, 2025 (बुध)	—
अंतिम सेमेस्टर परीक्षा	अप्रैल 24-मई 09, 2025 (शुरु-शुक्र)	जुलाई 07-10, 2025 (सोम-गुरु)
मेक-अप परीक्षा	मई 13-15, 2025 (मंगल-गुरु)	जुलाई 14, 2025 (सोम)
अंतिम सेमेस्टर/मेक-अप परीक्षा का ग्रेड जमा करने और 'आई' ग्रेड के रूपांतरण की अंतिम तिथि	मई 16, 2025 (शुक्र)	जुलाई 17, 2025 (गुरु)
विभागीय स्नातक समिति/विभागीय परास्नातक समिति द्वारा शिक्षण अनुभाग को विषय-सेमेस्टर 2025-26 के लिए ओपन ऐच्छिक/विभागीय ऐच्छिक/एचयूएलएम पाठ्यक्रमों की सूची भेजने की अंतिम तिथि	मई 16, 2025 (शुक्र)	—
अंतिम सेमेस्टर परीक्षा के परिणामों की घोषणा	मई 17, 2025 (शनि)	जुलाई 18, 2025 (शुक्र)
ग्रीष्मावकाश	मई 10- जुलाई 16, 2025 (शनि-बुध)	
विषय-सेमेस्टर 2025-26 के लिए ऑनलाइन पंजीकरण शुरू करने की तिथि समस्त छात्रों के लिए, प्रथम सेमेस्टर के छात्रों को छोड़कर	जुलाई 11, 2025 (शुक्र)	
विषय-सेमेस्टर 2025-26 के लिए भौतिक पंजीकरण समस्त छात्रों के लिए, प्रथम सेमेस्टर के छात्रों को छोड़कर	जुलाई 17, 2025 (गुरु)	

टिप्पणी : 1. ग्रीष्मकालीन परीक्षा 2024-25 में सम्मिलित छात्रों के लिए उनके ग्रीष्मकालीन परीक्षा परिणाम घोषित किये जाने तक विषय सेमेस्टर सत्र 2025-26 में उन छात्रों का पंजीकरण अस्थायी मान्य होगा।

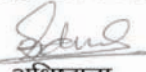
2. तृतीय वर्ष के छात्रों के लिए ग्रीष्मकालीन प्रशिक्षण मई 16 और जुलाई 12, 2025 के बीच होगा।

3. बी0टेक0, बी0आर्क0 एवं आईटीडी प्रथम वर्ष के छात्रों के लिए सत्र 2025-26 विषय सेमेस्टर में पंजीकरण की तिथि बाद में घोषित की जायेगी।

4. एम0टेक0, एम0फार्म0, एम0एलसी0, आईटीडी 8वें सेमेस्टर के बाद तथा पीएचडी के छात्रों के लिए अंतर सेमेस्टर अवकाश एवं ग्रीष्मावकाश नहीं होगा।

5. देर से पंजीकरण के लिए रु0 500.00 प्रति दिन की दर से शुल्क लिया जायेगा।

6. बी0टेक0, बी0आर्क0 एवं आईटीडी प्रथम वर्ष के छात्रों को छोड़कर विषय सेमेस्टर सत्र 2025-26 के लिए कक्षाएं शुक्रवार, जुलाई 18, 2025 से प्रारंभ हो जायेगी।


अधिष्ठाता
(शैक्षणिक कार्य)

ANNEXURE – II

(a) Course Structure for B.Tech./IDD& B.Arch. First Semester Programs(2023-24)

Course Code		Course Name	L–T–P			Credits
Courses Common for all Sections						
IH.H101.14	H101	Universal Human Values - I: Self and Family	2	0	0	6
LM.HL101.14	HL101	Basic English (for those requiring English skill)	2	0	1	7
GY.PE101.14	PE101	Elementary Physical Education	0	1	3	5
GY.CP101.14	CP101	Creative Practices#	0	1	3	5
Total			4	2	7	23
#Creative Practices course to be announced by Dean Academic Office						
Section-AA1	Biochemical Engineering: 5-Year IDD I-Semester					
IS.PHY102.14	PHY102	Physics- II ; Introduction to Engineering Electromagnetics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.MA102.14	MA102	Engineering Mathematics -II	3	1	0	11
IE.ME103.14	ME103	Engineering Thermodynamics	3	1	0	11
IS.CY103.14	CY103	Essentials of Biochemistry	3	0	2	11
EP.ME105.14	ME105	Manufacturing Practice - I	0	0	3	3
Total			14	4	9	59
Section-AA2	Biomedical Engineering: 5-Year IDD I-Semester					
IS.PHY102.14	PHY102	Physics - II: Introduction to Engineering Electromagnetics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.MA101.14	MA101	Engineering Mathematics - I	3	1	0	11
IE.ME102.14	ME102	Engineering Mechanics	3	1	0	11
IS.CY103.14	CY103	Essentials of Biochemistry	3	0	2	11
EP.ME105.14	ME105	Manufacturing Practice - I	0	0	3	3
Total			14	4	9	59
Section-AA3	Pharmaceutical Engineering and Technology: 4-Year B.Tech. I-Semester /5-Year IDD I-Semester					
IS.PHY102.14	PHY102	Physics - II: Introduction to Engineering Electromagnetics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.BL101.14	BL101	Biology	3	1	0	11
IE.ME103.14	ME103/ CMO103	Engineering Thermodynamics	3	1	0	11
IS.CY103.14	CY103	Essentials of Biochemistry	3	0	2	11
EP.ME105.14	ME105	Manufacturing Practice - I	0	0	3	3
Total			14	4	9	59
Section-AB1	Chemical Engineering: 4-Year B.Tech. I-Semester					
IS.PHY101.14	PHY101	Physics - I: Classical, Quantum & Relativistic Mechanics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.MA102.14	MA102	Engineering Mathematics - II	3	1	0	11
IE.ME103.14	ME103	Engineering Thermodynamics	3	1	0	11
MC.CHO103.14	CHO103	Process Calculation	2	1	0	8
EP.ME105.14	ME105	Manufacturing Practice - I	0	0	3	3
Total			13	5	7	59
Section-AB2	Industrial Chemistry: 5-Year IDD I-Semester					
IS.PHY101.14	PHY101	Physics - I: Classical, Quantum & Relativistic Mechanics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.MA102.14	MA102	Engineering Mathematics - II	3	1	0	11
IE.ME103.14	ME103	Engineering Thermodynamics	3	1	0	11
MC.CHO103.14	CHO103	Process Calculation	2	1	0	8
EP.ME105.14	ME105	Manufacturing Practice - I	0	0	3	3
Total			13	5	7	59
Section-AC1	Ceramic Engineering: 4-Year B.Tech. I-Semester /5-Year IDD I-Semester					
IS.PHY102.14	PHY102	Physics - II: Introduction to Engineering Electromagnetics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.MA102.14	MA102	Engineering Mathematics - II	3	1	0	11
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
EP.ME105.14	ME105	Manufacturing Practice - I	0	0	3	3
Total			12	4	12	56
Section-AC2	Materials Science and Technology: 5-Year IDD I-Semester					
IS.PHY102.14	PHY102	Physics - II: Introduction to Engineering Electromagnetics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10

	Course Code	Course Name	L-T-P			Credits
IS.MA102.14	MA102	Engineering Mathematics - II	3	1	0	11
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
EP.ME105.14	ME105	Manufacturing Practice - I	0	0	3	3
Total			12	4	12	56
Section-AD Metallurgical Engineering: 4-Year B.Tech. I-Semester /5-Year IDD I-Semester						
IS.PHY101.14	PHY101	Physics - I: Classical, Quantum & Relativistic Mechanics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.MA101.14	MA101	Engineering Mathematics - I	3	1	0	11
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
EP.ME105.14	ME105	Manufacturing Practice - I	0	0	3	3
Total			11	4	9	50
Section-AE Mining Engineering: 4-Year B.Tech. I-Semester /5-Year IDD I-Semester						
IS.PHY101.14	PHY101	Physics - I: Classical, Quantum & Relativistic Mechanics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.MA102.14	MA102	Engineering Mathematics - II	3	1	0	11
IE.ME102.14	ME102	Engineering Mechanics	3	1	0	11
IE.EO102.14	EO102	Fundamentals of Electronics & Instrumentation Engineering	3	1	2	13
EP.ME105.14	ME105	Manufacturing Practice - I	0	0	3	3
Total			14	5	9	61
Section-BA1 Computer Science & Engineering: 4-Year B.Tech. I-Semester /5-Year IDD I-Semester						
IS.BL101.14	BL101	Biology	3	1	0	11
IS.PHY101.14	PHY101	Physics - I: Classical, Quantum & Relativistic Mechanics	3	1	2	13
IS.MA101.14	MA101	Engineering Mathematics - I	3	1	0	11
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
EP.ME106.14	ME106	Manufacturing Practice - II	0	0	3	3
Total			12	4	7	51
Section-BA2 Mathematics and Computing: 5-Year IDD I-Semester						
IS.PHY102.14	PHY102	Physics - II: Introduction to Engineering Electromagnetics	3	1	2	13
IS.MA101.14	MA101	Engineering Mathematics - I	3	1	0	11
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
EP.ME106.14	ME106	Manufacturing Practice - II	0	0	3	3
Total			12	4	12	56
Section-BB Civil Engineering: 4-Year B.Tech. I-Semester / 5-Year IDD I-Semester						
IS.PHY101.14	PHY101	Physics - I: Classical, Quantum & Relativistic Mechanics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.MA101.14	MA101	Engineering Mathematics - I	3	1	0	11
IE.ME102.14	ME102	Engineering Mechanics	3	1	0	11
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
EP.ME106.14	ME106	Manufacturing Practice - II	0	0	3	3
Total			12	4	10	54
Section-BC Mechanical Engineering: 4-Year B.Tech. I-Semester /5-Year IDD I-Semester						
IS.PHY101.14	PHY101	Physics - I: Classical, Quantum & Relativistic Mechanics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.MA101.14	MA101	Engineering Mathematics - I	3	1	0	11
IE.ME103.14	ME103	Engineering Thermodynamics	3	1	0	11
EP.ME106.14	ME105	Manufacturing Practice - I	0	0	3	3
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
Total			12	4	10	54
Section-BD Electrical Engineering: 4-Year B.Tech. I-Semester / 5-Year IDD I-Semester						
IS.PHY102.14	PHY102	Physics - II: Introduction to Engineering Electromagnetics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.MA101.14	MA101	Engineering Mathematics - I	3	1	0	11
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
EP.ME105.14	ME106	Manufacturing Practice - II	0	0	3	3
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
Total			12	4	12	56
Section-BE1 Electronics Engineering: 4-Year B.Tech. I-Semester						
IS.PHY102.14	PHY102	Physics - II: Introduction to Engineering Electromagnetics	3	1	2	13
IS.MA101.14	MA101	Engineering Mathematics - I	3	1	0	11
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
EP.ME106.14	ME106	Manufacturing Practice - II	0	0	3	3

	Course Code	Course Name	L-T-P			Credits
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
Total			12	4	12	56
Section-BE2 Engineering Physics: 5-Year IDD I-Semester						
IS.PHY102.14	PHY102	Physics - II: Introduction to Engineering Electromagnetics	3	1	2	13
IS.CY101.14	CY101	Chemistry - I	2	1	2	10
IS.MA101.14	MA101	Engineering Mathematics - I	3	1	0	11
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
EP.ME106.14	ME106	Manufacturing Practice - II	0	0	3	3
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
Total			12	4	12	56
5-Year B.Arch. I-Semester						
IS.MA101.14	MA101	Engineering Mathematics – I	3	1	0	11
DC.AR101.19	AR101	Introduction to architecture	2	0	2	8
DC.AR103.19	AR103	Visual Art I	1	0	3	6
DC.AR105.19	AR105	Architectural Graphics I	1	0	6	9
DC.AR107.19	AR107	Basic Design & creative Workshop I	1	0	6	9
DC.AR109.19	AR109	Introduction to Environmental Studies	3	0	0	9
Total			11	1	17	52

L: Lecture hours; T: Tutorial hours; P: Laboratory/ Practical hours; C: Credits

(b) Course Structure for B.Tech./IDD&B.Arch.Second Semester Programs(2023-24)

	Course Code	Course Name	L-T-P			Credits
Section-AA1	Biochemical Engineering: 5-Year IDD II-Semester					
IS.PHY101.14	PHY101	Physics- I: Classical, Quantum and Relativistic Mechanics	3	1	2	13
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
EP.BC101.14	BC101	Biochemical Engineering Practice	1	0	3	6
EP.ME106.14	ME106	Manufacturing Practice - II	0	0	3	3
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
IH.H103.14	H103	Development of Societies	2	1	0	8
IH.H104.14	H104	History and Civilization				
		Total	10	3	13	49
Section-AA2	Biomedical Engineering: 5-Year IDD II-Semester					
IS.PHY101.14	PHY101	Physics - I: Classical, Quantum & Relativistic Mechanics	3	1	2	13
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
DC.BM101.14	BM101	Introduction to Biomedical Engineering	3	0	3	12
EP.ME106.14	ME106	Manufacturing Practice – II	0	0	3	3
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
IH.H103.14	H103	Development of Societies	2	1	0	8
IH.H104.14	H104	History and Civilization				
		Total	12	3	13	55
Section-AA3	Pharmaceutical Engineering and Technology: 4-Year B.Tech. II-Sem. /5-Year IDD II-Semester					
IS.MA101.14	MA101	Engineering Mathematics – I	3	1	0	11
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
DC.PH101.14	PH101	Basics of Pharmaceutical Sciences	2	0	3	9
EP.ME106.14	ME106	Manufacturing Practice – II	0	0	3	3
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
IH.H103.14	H103	Development of Societies	2	1	0	8
IH.H104.14	H104	History and Civilization				
		Total	11	3	11	50
Section-AB1	Chemical Engineering: 4-Year B.Tech. II-Semester					
IS.MA101.14	MA101	Engineering Mathematics – I	3	1	0	11
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
MC.CHE201.15	CHE201	Chemical Engineering Thermodynamics	3	1	0	11
EP.CHE101.14	CHE101	Chemical Engineering Practices	1	0	3	6
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
EP.ME106.14	ME106	Manufacturing Practice – II	0	0	3	3
IH.H103.14	H103	Development of Societies	2	1	0	8
IH.H104.14	H104	History and Civilization				
		Total	12	4	11	55
Section-AB2	Industrial Chemistry: 5-Year IDD II-Semester					
IS.CY102.14	CY102	Chemistry - II	3	1	2	13
IS.MA101.14	MA101	Engineering Mathematics – I	3	1	0	11
DCMS101.14	MS101	Introduction to Engineering Materials	3	0	0	9
EP.CHI101.14	CHI101	Industrial Chemistry Practice Course	1	0	3	6
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
EP.ME106.14	ME106	Manufacturing Practices - II	0	0	3	3
IH.H103.14	H103	Development of Societies	2	1	0	8
IH.H104.14	H104	History and Civilization				
		Total	12	4	11	55

	Course Code	Course Name	L–T–P			Credits
Section-AC1	Ceramic Engineering: 4-Year B.Tech. II-Semester /5-Year IDD II-Semester					
IS.PHY101.14	PHY101	Physics - I: Classical, Quantum & Relativistic Mechanics	3	1	2	13
IS.MA101.14	MA101	Engineering Mathematics – I	3	1	0	11
IE.ME103.14	ME103	Engineering Thermodynamics	3	1	0	11
DC.MCR101.14	MCR101	Introduction to Ceramics	2	0	0	6
DC.MCR102.14	MCR102	Basic Ceramic Practices	1	0	3	6
EP.ME106.14	ME106	Manufacturing Practice-II	0	0	3	3
IH.H103.14	H103	Development of Societies	2	1	0	8
IH.H104.14	H104	History and Civilization				
		Total	14	4	8	58
Section-AC2	Materials Science and Technology: 5-Year IDD II-Semester					
IS.CY102.14	CY102	Chemistry - II	3	1	2	13
IS.MA101.14	MA101	Engineering Mathematics – I	3	1	0	11
IE.ME103.14	ME103	Engineering Thermodynamics	3	1	0	11
DC.MS101.14	MS101	Introduction to Engineering Materials	3	0	0	9
EP.MS102.15	MS102	Practices in Materials Science and Technology	1	0	3	6
EP.ME106.14	ME106	Manufacturing Practice – II	0	0	3	3
IH.H103.14	H103	Development of Societies	2	1	0	8
IH.H104.14	H104	History and Civilization				
		Total	15	4	8	61
Section-AD	Metallurgical Engineering: 4-Year B.Tech. II-Semester /5-Year IDD II-Semester					
IS.MA102.14	MA102	Engineering Mathematics – II	3	1	0	11
IE.ME103.14	ME103	Engineering Thermodynamics	3	1	0	11
DC.MT101.14	MT101	Introduction to Metallurgical and Materials Engineering	2	0	0	6
DC.MT102.14	MT102	Metallurgical Thermodynamics and Kinetics	3	1	0	11
EP.MT103.15	MT103	Metallurgical Practices – I	0	0	3	3
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
EP.ME106.14	ME106	Manufacturing Practice – II	0	0	3	3
IH.H103.14	H103	Development of Societies	2	1	0	8
IH.H104.14	H104	History and Civilization				
		Total	14	4	9	59
Section-AE	Mining Engineering: 4-Year B.Tech. II-Semester /5-Year IDD II-Semester					
IS.MA101.14	MA101	Engineering Mathematics – I	3	1	0	11
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
DC.MN111.14	MN111	Mine Development	3	0	0	9
DC.MN112.14	MN112	Mine Practices	1	0	3	6
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
EP.ME106.14	ME106	Manufacturing Practice – II	0	0	3	3
IH.H103.14	H103	Development of Societies	2	1	0	8
IH.H104.14	H104	History and Civilization				
		Total	13	3	11	56
Section-BA1	Computer Science & Engineering: 4-Year B.Tech. II-Semester /5-Year IDD II-Semester					
IS.MA102.14	MA102	Engineering Mathematics – II	3	1	0	11
IE.EO101.14	EO101	Fundamentals of Electrical Engineering	3	1	2	13
DC.CSO102.15	CSO102	Data Structure	3	0	2	11
EPCSE103N.14	CSE103N	Information Technology Workshop-I (IWT-I)	2	0	3	9
EP.ME104.14	ME104	Engineering Drawing	1	0	3	6
EP.ME105.14	ME105	Manufacturing Practice – I	0	0	3	3
IH.H105.14	H105	Philosophy	2	1	0	8
IH.H106.14	H106	Education and Self				
		Total	14	3	13	61
Section-BA2	Mathematics and Computing: 5-Year IDD II-Semester					
IS.MA102.14	MA102	Engineering Mathematics – II	3	1	0	11
IE.EO102.14	EO102	Fundamentals of Electronics & Instrumentation Engineering	3	1	2	13
DC.CSO102.15	CSO102	Data Structure	3	0	2	11
DC.MA111.14	MA111	Algebra	3	1	0	11
EP.MA104.14	MA104	Information Technology and Computing Workshop	1	0	3	6
EP.ME105.14	ME105	Manufacturing Practice – I	0	0	3	3
IH.H105.14	H105	Philosophy	2	1	0	8
IH.H106.14	H106	Education and Self				
		Total	15	4	10	63
Section-BB	Civil Engineering: 4-Year B.Tech. II-Semester / 5-Year IDD II-Semester					
IS.MA102.14	MA102	Engineering Mathematics – II	3	1	0	11
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
IE.EO102.14	EO102	Fundamentals of Electronics & Instrumentation Engineering	3	1	2	13
IE.EO101.14	EO101	Fundamentals of Electrical Engineering				
DC.CE101.14	CE101	Basic Surveying	3	0	0	9
DC.CE102.19	CE102	Surveying Laboratory	0	0	3	3
EP.ME105.14	ME105	Manufacturing Practices – I	0	0	3	3
IH.H105.14	H105	Philosophy	2	1	0	8
IH.H106.14	H106	Education and Self				
		Total	14	4	10	60

	Course Code	Course Name	L–T–P			Credits
Section-BC	Mechanical Engineering: 4-Year B.Tech. II-Semester /5-Year IDD II-Semester					
IS.MA102.14	MA102	Engineering Mathematics – II	3	1	0	11
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
IE.ME102.14	ME102	Engineering Mechanics	3	1	0	11
DC.ME221.14	ME221	Measurements and Controls	3	0	0	9
DC.ME222.14	ME222	Machine Drawing	0	0	3	3
EP.ME106.14	ME106	Manufacturing Practices – II	0	0	3	3
IH.H105.14	H105	Philosophy	2	1	0	8
IH.H106.14	H106	Education and Self				
		Total	14	4	8	58
Section-BD	Electrical Engineering: 4-Year B.Tech. II-Semester /5-Year IDD II-Semester					
IS.MA203.14	MA203	Mathematical Methods	3	1	0	11
IE.MO201.14	MO201	Materials Science	3	1	0	11
IE.EO102.14	EO102	Fundamentals of Electronics & Instrumentation Engineering	3	1	2	13
DC.EE101.14	EE101	Electrical Circuits and Measurement	3	1	2	13
EP.ME105.14	ME105	Manufacturing Practice – I	0	0	3	3
IH.H105.14	H105	Philosophy	2	1	0	8
IH.H106.14	H106	Education and Self				
		Total	14	5	7	59
Section-BE1	Electronics Engineering: 4-Year B.Tech. II-Semester					
IS.PHY101.14	PHY101	Physics - I : Classical, Quantum & Relativistic Mechanics	3	1	2	13
IS.MA102.14	MA102	Engineering Mathematics – II	3	1	0	11
IE.EO101.14	EO101	Fundamentals of Electrical Engineering	3	1	2	13
MC.CSO102.19	CSO102	Data Structures	3	0	0	9
EP.EC102.16	EC102	Electronic Circuit Workshop	1	0	3	6
IH.H105.14	H105	Philosophy	2	1	0	8
IH.H106.14	H106	Education and Self				
		Total	15	4	7	60
Section-BE2	Engineering Physics: 5-Year IDD II-Semester					
IS.PHY101.14	PHY101	Physics - I : Classical, Quantum & Relativistic Mechanics	3	1	2	13
IS.MA102.14	MA102	Engineering Mathematics – II	3	1	0	11
IE.ME102.14	ME102	Engineering Mechanics	3	1	0	11
DC.PHY103.14	PHY103	Modern Physics	3	0	0	9
DC.EP101.14	EP101	Practices of Engineering Physics	1	0	3	6
EP.ME105.14	ME105	Manufacturing Practice I	0	0	3	3
IH.H105.14	H105	Philosophy	2	1	0	8
IH.H106.14	H106	Education and Self				
		Total	15	4	8	61
5-Year B.Arch. II-Semester						
DC.AR102.19	AR102	Architectural Design Studio-I	1	0	6	9
DC.AR104.19	AR104	Introduction to Building Materials & Construction I	1	0	4	7
DC.AR106.19	AR106	Architectural Graphics II	1	0	6	9
DC.AR108.19	AR108	Visual Art and Creative Workshop II	1	1	4	9
IE.CSO101.14	CSO101	Computer Programming	3	1	2	13
DC.AR114.19	AR114	Giometrics Techniques for Architects	2	0	2	8
IH.H105.14	H105	Education and Self	2	1	0	8
IH.H106.14	H106	Philosophy				
		Total	11	3	24	63

L: Lecture hours; T: Tutorial hours; P: Laboratory/ Practical hours; C: Credits

ANNEXURE - III

Fee Structure for 4 Year B.Tech., 5 Year Integrated Dual Degree (B.Tech. &M.Tech.) and 5-Year B.Arch. Programsw.e.f. the Session 2019-20 and onwards

Sl. No.	Particulars	4 Year B.Tech.				5 Year IDD (B.Tech. &M.Tech.)/B.Arch.			
		GEN/OBC/EWSs Based on Family Income			SC/ST/ All PD (GEN/ GEN-EWS/ OBC-NCL/ SC/ST)	GEN/OBC/EWSs Based on Family Income			SC/ST/ All PD (GEN/ GEN-EWS/ OBC-NCL/ SC/ST)
		> 5.00 Lakhs	≤ 5.00 &> 1.00 Lakh	≤ 1.00 Lakh		> 5.00 Lakhs	≤ 5.00 &> 1.00 Lakh	≤ 1.00 Lakh	
A.	One Time payment at the time of Admission (Non-Refundable)								
1.	Admission Fee	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00
2.	Identity Card	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00
3.	Students' Welfare Fund	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
4.	Placement Fee	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
5.	Publication	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00
6.	Institute Day/Convocation	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
7.	Orientation Overhead	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
8.	Thesis	---	---	---	---	500.00	500.00	500.00	500.00
	Total	5,750.00	5,750.00	5,750.00	5,750.00	6,250.00	6,250.00	6,250.00	6,250.00

B.	Deposits Payable at the time of Admission (Refundable)								
1.	Institute Caution Money	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
2.	Library Caution Money	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
3.	Hostel Caution Money	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
	Total	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00

C.	Semester Fee (Each Semester) Non Refundable								
1.	Tuition Fee*	1,00,000.00	33,333.00	---	---	1,00,000.00	33,333.00	---	---
2.	Examination	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
3.	Registration/ Enrolment	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00
4.	Gymkhana Fee	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
5.	Festival Fee	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
6.	Medical Fee	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00
7.	Students Amenities Subscription	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00
8.	Hostel Seat Rent*	300.00	300.00	300.00	---	300.00	300.00	300.00	---
9.	Fan/Electric/ Water Charges	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00
10.	Hostel Development Fund	2,250.00	2,250.00	2,250.00	2,250.00	2,250.00	2,250.00	2,250.00	2,250.00
11.	Campus Services and Utility	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00
	Total	1,06,350.00	39,683.00	6,350.00	6,050.00	1,06,350.00	39,683.00	6,350.00	6,050.00

D.	Payment in each (Odd Semester) Non Refundable								
1.	Medical Insurance Fee	365.00	365.00	365.00	365.00	365.00	365.00	365.00	365.00
Amount Payable at the time of admission (Total of A, B and C)									
	Total	1,21,465.00	54,798.00	21,465.00	21,165.00	1,21,965.00	55,298.00	21,965.00	21,665.00

*All regular SC/ST/All PD (GEN/GEN-EWS/OBC/SC/ST) students are exempted from the Tuition Fee and Hostel Seat Rent.

Fees for Foreign Students:	(for SAARC Countries)	(For Other Countries)
a) At the time of Admission	US \$ 1000.00 + Rs. 1,21,465.00	US \$ 2000.00 + Rs. 1,21,465.00
b) Semester Fee	US \$ 1000.00 + Rs. 1,06,350.00*	US \$ 2000.00 + Rs. 1,06,350.00*

+ Additional Rs. 365/- as 'Medical Insurance Fee' in each Odd Semester every year.

ANNEXURE - IV**Important Contact Numbers**

On facing / observing ragging contact any of the following

Name	Designation	Contact Numbers
Prof. S.B. Dwivedi	Dean (Academic Affairs) (doaa@iitbhu.ac.in)	9792262852
Prof. Rajesh Kumar	Dean (Student Affairs) (dosa@iitbhu.ac.in)	9838541945
Prof. Rajesh Kumar Upadhyay	Chairman, Council of Wardens (chairman.cow@iitbhu.ac.in)	9207050557
Prof. Rajeev Kumar Singh	Associate Dean (Academic Affairs), UG (adoaa_ug@iitbhu.ac.in)	9451890026
Prof. Anurag Ohri	Associate Dean (Academic Affairs), Core Courses &	8081765686
	Chairman, Institute Core Course Monitoring Committee	
	(adoaa_cc@iitbhu.ac.in)	
Prof. Santwana Mukhopadhyay	Chairperson, Women Grievance Cell, Internal Complaint Committee	9453358562
Professor S. K. Shrivastava	Coordinator, Training & Placement Cell	9452156527
Dr. Kishor P. Sarawadekar	Dy. Coordinator, Training & Placement Cell	9838764487
Dr. Surya Deo Yadav	Dy. Coordinator, Training & Placement Cell	9455908629
Shri Rajan Srivastava	Registrar (registrar@iitbhu.ac.in)	9161964444

Proctorial Board**Institute (24x7) Emergency Helpline Number: 0542-2368004****For other security related help, please feel free to contact / Email -
help.po@itbhu.ac.in**

Name	Telephone No	Inter-Com	Email Id
Control Room, IIT (BHU)	0542-2368004	5885/5884	help.po@itbhu.ac.in
Proctor Munsif Office, IIT(BHU)	0542-2366744	5865	office.proctor@itbhu.ac.in
Duty Officer (ASO)	-	5863	office.proctor@itbhu.ac.in
Proctor Office, IIT(BHU) (Available only in working hours)	-	5862	office.proctor@itbhu.ac.in
Chief Proctor, IIT(BHU)	0542-2366744	5861	chiefproctor@iitbhu.ac.in
Ambulance	0542-2368004	5885/5884	--
Control Room, BHU	0542 - 6701212/ 2369242/2307280/ 2369134/2368564	-	-

Proctorial Board Members of IIT (BHU)

S.No.	Name	Designation	Email-Id
1.	Dr. Sanjay Singh	Chief Proctor	chiefproctor@iitbhu.ac.in
2.	Prof. Vikash Kumar Dubey	Proctor	vkubey.bce@iitbhu.ac.in
3.	Prof. Rajeev Kumar Singh	Proctor	rksingh.eee@iitbhu.ac.in
4.	Prof. Anurag Ohri	Proctor	aohri.civ@iitbhu.ac.in
5.	Prof. Hiralal Pramanik	Proctor	hpramanik.che@iitbhu.ac.in
6.	Dr. Vivek Nandan Lal	Proctor	vnal.eee@iitbhu.ac.in
7.	Dr. Ashutosh Kumar Dubey	Proctor	akubey.cer@iitbhu.ac.in
8.	Dr. Surya Deo Yadav	Proctor	surya.met@iitbhu.ac.in
9.	Dr. Nikhil Kumar	Proctor	nikhil.mst@iitbhu.ac.in
10.	Dr. Sweta	Proctor	shweta.che@iitbhu.ac.in
11.	Dr. Tanima Dutta	Proctor	tanima.cse@iitbhu.ac.in
12.	Dr. Harsimran Kaur	Proctor	harsimran.apd@iitbhu.ac.in

Security Officers of IIT (BHU)

S.N.	Name	Designation	Mobile No.	Email-Id
1.	Shri Shashank Shekhar Prasad Singh	Security Officer	8004925734	sspsingh.po@iitbhu.ac.in
2.	Shri Abhishek Kumar Singh	Asst. Security Officer	8004925736	aksingh.po@iitbhu.ac.in
3.	Shri Ritesh Ranjan Sinha	Asst. Security Officer	8053655082	rrsinha.po@iitbhu.ac.in
4.	Shri Pallav Singh	Asst. Security Officer	8081706424	pallav.po@iitbhu.ac.in

**Contact e-mail IDs of the Academic Authorities, Heads/Coordinators of the Departments/Schools,
IIT(BHU), Varanasi**

S. No.	Department Name	Head of the Department	e-mail ID
Administration			
01.	Director	Prof. Amit Patra	director@iitbhu.ac.in
02.	Dean (Student Affairs)	Prof. Rajesh Kumar	dosa@iitbhu.ac.in
03.	Registrar	Shri Rajan Srivastava	registrar@iitbhu.ac.in
Academic Affairs			
01.	Dean	Prof. Shyam Bihari Dwivedi	doaa@iitbhu.ac.in
02.	Associate Dean, Undergraduate	Prof. Rajeev Kumar Singh	adoaa_ug@iitbhu.ac.in
03.	Associate Dean, Core Courses	Prof. Anurag Ohri	adoaa_cc@iitbhu.ac.in
Engineering Departments			
1.	Architecture Planning and Design	Dr. Harsimran Kaur	head.apd@iitbhu.ac.in
2.	Ceramic Engineering	Dr. Ashutosh Kumar Dubey	head.cer@iitbhu.ac.in
3.	Chemical Engg. & Technology	Prof. Manoj Kumar Mondal	head.che@iitbhu.ac.in
4.	Civil Engineering	Prof. Sasankasekhar Mandal	head.civ@iitbhu.ac.in
5.	Computer Science and Engineering	Prof. S.K. Singh	head.cse@iitbhu.ac.in
6.	Electrical Engineering	Prof. Rajeev Kumar Singh	head.eee@iitbhu.ac.in
7.	Electronics Engineering	Prof. Manoj Kumar Meshram	head.ece@iitbhu.ac.in
8.	Mechanical Engineering	Prof. Santosh Kumar	head.mec@iitbhu.ac.in
9.	Metallurgical Engineering	Prof. Sunil Mohan	head.met@iitbhu.ac.in
10.	Mining Engineering	Prof. Suprakash Gupta	head.min@iitbhu.ac.in
11.	Pharmaceutical Engg. and Tech.	Prof. Siva Hemalatha	head.phe@iitbhu.ac.in
Science Departments			
12.	Chemistry	Prof. Y.C. Sharma	head.apc@iitbhu.ac.in
13.	Mathematical Sciences	Prof. S.K. Pandey	head.apm@iitbhu.ac.in
14.	Physics	Prof. Sandip Chatterjee	head.app@iitbhu.ac.in
Schools			
15.	Biochemical Engineering	Prof. Vikash Kumar Dubey	coordinator.bce@iitbhu.ac.in
16.	Biomedical Engineering	Dr. Sanjeev Kumar Mahto	coordinator.bme@iitbhu.ac.in
17.	Materials Science and Technology	Prof. Akhilesh Kumar Singh	coordinator.mst@iitbhu.ac.in
Humanities Department			
18.	Humanistic Studies	Prof. P.K. Panda	head.hss@iitbhu.ac.in

Contact e-mail IDs of the Conveners of DUGC (Department Undergraduate Committee) of the departments:

S. No.	Department Name	e-mail ID
1.	Architecture Planning and Design	convener.dugc.apd@iitbhu.ac.in
2.	Ceramic Engineering	convener.dugc.cer@iitbhu.ac.in
3.	Chemical Engg. & Technology	convener.dugc.che@iitbhu.ac.in
4.	Civil Engineering	convener.dugc.civ@iitbhu.ac.in
5.	Computer Science and Engineering	convener.dugc.cse@iitbhu.ac.in
6.	Electrical Engineering	convener.dugc.eee@iitbhu.ac.in
7.	Electronics Engineering	convener.dugc.ece@iitbhu.ac.in
8.	Mechanical Engineering	convener.dugc.mec@iitbhu.ac.in
9.	Metallurgical Engineering	convener.dugc.met@iitbhu.ac.in
10.	Mining Engineering	convener.dugc.min@iitbhu.ac.in
11.	Pharmaceutical Engg. and Tech.	convener.dugc.phe@iitbhu.ac.in
12.	Chemistry	convener.dugc.apc@iitbhu.ac.in
13.	Mathematical Sciences	convener.dugc.apm@iitbhu.ac.in
14.	Physics	convener.dugc.app@iitbhu.ac.in
15.	Biochemical Engineering	convener.dugc.bce@iitbhu.ac.in
16.	Biomedical Engineering	convener.dugc.bme@iitbhu.ac.in
17.	Materials Science and Technology	convener.dugc.mst@iitbhu.ac.in
18.	Humanistic Studies	convener.dugc.hss@iitbhu.ac.in

ANNEXURE - V

Security Advisory for Students

All students are advised to follow the advisory for their safe and peaceful stay on the Campus. It is suggestive in nature and compiled on the basis of student reports of occurrences and accidents.

1. Students should take adequate precautions and follow all the Govt. norms for Community Health.
2. Students are advised to refrain themselves from the following places:
 - a. Terrace of the buildings.
 - b. Water tanks.
 - c. Under construction buildings and their surroundings.
 - d. Abandoned buildings and their surroundings (Including CCD premises).
 - e. Poorly illuminated areas and roads during odd hours.
 - f. Jungle areas and bushes.
 - g. Water pumping areas.
 - h. Power substations/Electrical generator system.
 - i. BHU Agriculture department's land (New Karman beer mandir).
3. Students should always keep some documents to prove their identity.
4. The keeping and playing of two wheelers and four wheelers inside the campus by students are subjected to prior permission. If someone genuinely requires (ex. Divyang Jan) to use their vehicle, prior permission is compulsory. They are also advised to carry their permission while driving the vehicle.
5. Students are advised to follow hostel timings.
6. Students are advised to follow "suggested routes only" as circulated by student parliament from time to time.
7. Students are advised not to roam on the campus during odd hours.
8. Students are encouraged to attend the IIT hostel's canteens, tea shops and other establishments at odd hours.
9. Prior notification and authorization from competent authority is required for any formal gathering of more than 15-20 participants. Failing to do so, the organizing team will be held liable for any security concerns that may occur.
10. Any public event should be intimated at least 3-4 working days in advance for the deployment of additional security personnel and coordination with the civil administration/Police. In failing to do so, the organizing team will be held liable for any security issues.
11. Use of Pan/Gutkha/Liquor/narcotics are completely prohibited inside the campus.
12. Avoid misusing of ambulance if you can reach the Hospital/Student health Centre by yourself or help of your friends so that the needy can be benefited most.
13. The Hostel authorities must be informed if you are out of campus whether in day or in night with your current location.
14. Avoid visiting places that are prone to accidents (ex. Raj dari, Deo dari, Bindham Fall etc.)
15. When dealing with locals, exercise caution.
16. Secure valuables such as money, expensive metal items, mobile phones and laptop computers using a lock and key.
17. Any security intelligence that is in the Institute's best interest is always accepted and the identity of the informant is never exposed.

18. When engaging with social media platforms and the virtual world, students must be cautious of their behavior.
19. To deal with any emergency circumstance, students should maintain the IIT control room phone number handy.
20. Students should not engage themselves in gatherings outside the Institute premises.
21. Be wary of miscreants snatching your phone/valuables while you're on the road.
22. The Campus is a place of interest for outsiders, so students should be security vigilant. Students should not get involved with outsiders within/outside the Institute premises which might lead to serious problems.
23. Students should strictly adhere to the Institute single use plastic policy notified vide letter no: IIT(BHU)/GAD/3(116)/Single Use Plastic/Gen./15287 dated 16/17.10.2023 during Institute Fest.

Note: -

- Please adhere to the Institute “Guidelines to official email users” (iitbhu.ac.in.>CCIS>WMES>Guidelines) while sending an email.
- Email on common security concerns of participant/visitor/spectators/students during students' festivals / programs like Kashi Yatra / Spardha / Technex etc. should be sent through the security committee, student parliament only.
- Participant/visitor/spectators/students during students' festivals / programs like Kashi Yatra / Spardha / Technex etc. are advised to refrain from mass emailing on common concerns which hamper the daily office work.
- For a prompt and immediate response please contact the security helpline number. In case of unavailability of the security helpline number, you can call our office number.

This information is provided for the safe and peaceful stay in the Campus; nevertheless, if a student does not follow, she / he may be held liable for her / his own safety, mishaps or security concerns.



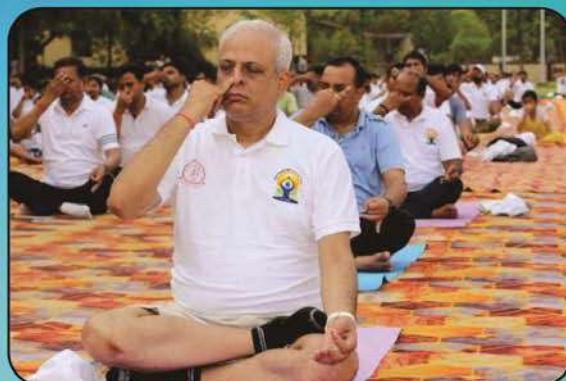
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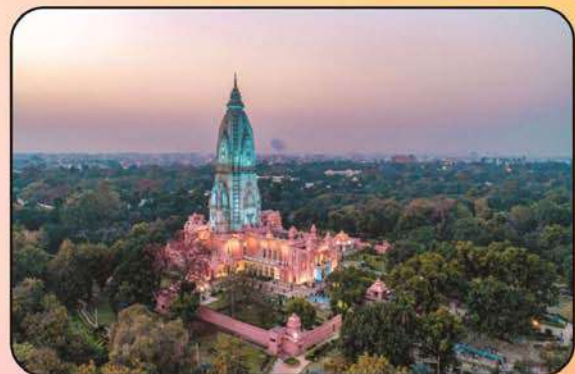
This image shows a blank sheet of white paper with horizontal ruling lines. There are 20 evenly spaced lines across the page. At the start of each line, there is a small black dot, serving as a guide for writing or drawing. The lines extend from the left edge towards the right, leaving a margin on the far right.

NOTE

This image shows a blank sheet of white paper with horizontal ruling lines. There are 20 evenly spaced horizontal lines across the page. At the start of each line, there is a small black dot, serving as a guide for writing or drawing. The lines and dots extend from the left edge towards the right, leaving some space on the right side of the page.

Photographs of some of the recent events held at IIT (BHU)





INDIAN INSTITUTE OF TECHNOLOGY
(Banaras Hindu University) Varanasi