

HP Technical University, Hamirpur (HP)

Academic Audit

SSR Proforma to be submitted by Affiliated Institutions

PART I

Criterion 1 – Curricular Aspects

Key Indicator-1.1: Curricular Planning and Implementation

Item No.	Particulars
1.1.1	<p>The institution ensures effective curriculum delivery through a well planned and documented process</p> <p>TR Abhilashi Memorial Institute is affiliated to HP Technical University Hamirpur (HP) , so the institution follow the curriculum designed by it. At the beginning of academic session the college prepares the academic calendar which consists of curricular, co-curricular and extracurricular activities for effective implementation and delivery of curriculum. We undertake following measures for effective delivery of the university curriculum at college level.</p> <ul style="list-style-type: none">• There is a faculty wise timetable committee which prepares the timetable as per workload issued by the HPTU for the academic session.• A comprehensive teaching plan is prepared by every department and teacher which includes the delivery of lectures and date of delivery, tutorials and practical.• The Principal addresses the newly admitted students in “Induction Program”. This program orient the students about: facilities and welfare schemes available, code of conduct and discipline, extra-curricular activities etc.• Sessional/Class test are conducted periodically and its result is displayed and discussed with the students in the class room.• Periodical meetings of staff with Head of the Departments and Head of the Departments are held with the Principal to take review and discuss the curriculum delivery as well as the outcomes of sessional / class test conducted during the semester.• Assignments, seminars and project (if applicable) are given to the students under the supervision of the faculty.• ICT is used for effective teaching by the teachers of various departments.• MOOC/SWAYAM courses (as per the HPTU/ AICTE Guidelines as per NEP) are attended by the faculty and students for the overall development of the student as well as faculty.• Students-Teacher -Guardian Scheme (Mentor-Mentee) is implemented for identifying problems of the students regarding academic, social and financial issues.
1.1.2	The institution adheres to the academic calendar including conduct of CIE

T.R Abhilashi Memorial institute of Engg. &Technology, Tanda strictly adheres to the academic calendar for the B.Tech program, ensuring the execution of all academic activities, including the Continuous Internal Evaluation (CIE).

As institute we follow the academic calendar issued by the HPTU Hamirpur strictly and plans all its activities including the conduct of Continuous Internal Evaluation (CIE). The academic calendar is planned and implemented to maintain consistency and transparency in academic operations where we start with the registration process of all students for all courses and upload it in HPTU website followed by induction program schedule for new incumbents.

CIE is conducted as per the prescribed schedule, aligning with the curriculum and regulatory guidelines given by HPTU to assess the student's performance through various formative assessments such as assignments, presentations, seminars and tests. This structured approach helps in monitoring the student's progress regularly and providing timely feedback for improvement. By adhering to the academic calendar, the institution ensures a disciplined and organized academic environment, fostering timely completion of courses followed by viva voice /practical / project and end term examination. This commitment to systematic planning and execution enhances the overall learning experience for B.Tech students.

As per the guidelines of Academic calendar issued by HPTU inline to it we conduct workshops, other co-curricular and extra-curricular activities like sport meet conducted by HPTU.

Sr. No	Events	Description
1	Registration of all students for all courses	Student registration for all courses is carried out to a program confirming to the choice of a student in particular academic year. This process typically involves submitting an admission form, paying fees, and uploading documents on HPTU websites.
2	Commencement of classes of these courses	The commencement of classes is as per the academic calendar released by the HPTU. The detailed time table is framed as per the workload of study and evaluation scheme for a particular subject/department.
3	Induction Programme for 1st Year students	Induction program for new incumbents/ students is conducted as per the guidelines and schedule of HPTU which helps new

			students to feel comfortable in their new environment and become familiar with the institution.
	4	1st Periodical Exam	A 1st Periodical Exam, also known as a Sessional Test is conducted for approx. 50% coverage of syllabus.
	5	HPTU Sports Meet	To motivate the students to be physically and mentally healthy ,to enhance the attitude of the spirit of sports, to develop the principles of problem solving and leadership management in the students sport/yoga activities are carried out in the institution /HPTU level under the officer in charge
	6	2nd Periodical Exam	A 2ndPeriodical Exam, also known as a Sessional Test is conducted for approx. 90% coverage of syllabus.
	7	End of Teaching work for all semesters	End of teaching work is as per the Academic Calendar.
	8	End Semester Practical Examinations	End Semester Practical Examinations are conducted as per the schedule of HPTU
	9	End Semester Theory Examinations	End Semester Theory Examinations are conducted as per the schedule of HPTU
	10	Vacations	As per the HPTU academic calendar, <i>vacation</i> or semester breaks are provided in phased manner.
	11	Seminars/ Expert Lectures	Seminars / Expert Lectures are organized during the semester time to time as per the availability of the Expert.
1.1.3	<p>Teachers of the institution participate in following activities related to curriculum development and assessment of the University and/are represented on the following academic bodies during the last five years</p> <p>(a) Academic Council/BoS of Affiliating University- No faculty (b) Setting of question papers for UG/PG programs- No faculty (c) Design and Development of Curriculum for Add on/certificate/diploma courses -No (d) Assessment/evaluation process of the affiliating University- Only internal and</p>		

	<p>external practical.</p> <p>Options:-</p> <ol style="list-style-type: none"> 1. Only1 of the above. <p>Data requirement:</p> <ul style="list-style-type: none"> • No. of teachers participated • Name of the body in which full time teacher participated • Total No. of teachers <p>Attach as Annexure(s)</p> <ul style="list-style-type: none"> • Detail of participation of teachers in various bodies/activities provided as a response to above
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Key Indicator-1.2 Curriculum Enrichment

Item No.	Particulars
1.2.1	<p>Institution integrates cross cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.</p> <p>T.R Abhilashi Memorial Institute of Engg. & Technology is committed to the holistic development of its students. In addition to providing academic excellence, the University also focuses on gender equality, environmental awareness, professional ethics, and human values.</p> <p>Gender Equality:</p> <p>The institute has a well-established Women Grievance Cell (WGC) that works to address the concerns of female students and staff. The WGC regularly organizes expert lectures and awareness programs on gender equality.</p> <p>Environmental Awareness:</p> <p>The institute is also committed to environmental sustainability. It has implemented a number of initiatives to reduce its environmental impact, such as water conservation, and regular cleanliness drives. The University also offers a course on environmental studies to all undergraduate students.</p> <p>Professional Ethics:-</p> <p>In addition to environmental awareness, the institute also emphasizes professional ethics and human values. Students are taught the importance of group work and leadership. The institute also offers a variety of programs related to social work, geriatric care, first aid, and more.</p> <p>Human Values</p> <p>The institute is committed to preparing its students to be responsible citizens. It regularly celebrates national holidays and offers courses on moral values.</p> <p>Moral and ethical values:</p> <p>Overall,T. R. Abhilashi Memorial Institute of Engg. & Technology institute is a well-rounded institution that provides its students with a holistic education.</p>

	1.2.1 List and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum.					
	S. No	Course Code	Name of Course	Program Name	Semester	Description of Course
	1	IKS-311	Indian Knowledge System	B.Tech (CSE,EE) (NEP)	III	<i>To facilitate the students with the concepts of Indian traditional knowledge and to make them understand the importance of roots of Indian Knowledge System. This course aims to provide students with an understanding of India's rich heritage in science, technology, and culture, fostering a holistic education that goes beyond conventional engineering subjects.</i>
	2	HS-409	Human Values and Professional Ethics	B.Tech (CSE,CE, EE) (CBCS)	IV	Identify and analyze an ethical issue in the subject matter under investigation or in a relevant field. Assess their own ethical values and the social context of problems.
	3	UHV-111	Universal Human Values and Awareness About Himachal Pradesh	B.Tech (CE,CSE)	II	Universal Human Values (UHV) is a systematic study of harmony between individuals, families, societies, and nature. It is a process of self-exploration that can lead to self-confidence and self-evolution. UHV encourages people to discover what they value and to discriminate between what is valuable and what is superficial.
	4	UHV-111	Universal Human Values and Awareness About Himachal Pradesh	B.Tech (EE)	I	Universal Human Values (UHV) is a systematic study of harmony between individuals, families, societies, and nature. It is a process of self-exploration that can lead to self-confidence and self-evolution. UHV encourages people to discover what they value and to discriminate between what is valuable and what is superficial.
1.2.2	Average percentage of courses that include experiential learning through project work/field work/internship during the last five years					
	1.2.2.1		No. of courses that include experiential learning through project work/field work/internship year wise during the last five year.			

	<p>Data requirement for last five years:</p> <ul style="list-style-type: none">• Name of the Course• Details of experiential learning through project work/field work/internship• Name of the programme <table><tr><td colspan="4">Name of the Programme : B.Tech (CSE,CE,EE & ME)</td></tr><tr><th>Year</th><th>No. of course</th><th>Total No. of course</th><th>Percentage /Year</th></tr><tr><td>2019-2020</td><td>74</td><td>190</td><td>38.94</td></tr><tr><td>2020-2021</td><td>74</td><td>190</td><td>38.94</td></tr><tr><td>2021-2022</td><td>74</td><td>190</td><td>38.94</td></tr><tr><td>2022-2023</td><td>74</td><td>190</td><td>38.94</td></tr><tr><td>2023-2024</td><td>75</td><td>182</td><td>41.20</td></tr></table> <p>Average percentage = $\frac{\sum \text{Percentage per year}}{5} = \frac{196.96}{5} = 39.392\%$</p> <p>Attach as Annexure(s)- ANN-1.2.2(On HPTU Website)</p> <ul style="list-style-type: none">• Programme/curriculum/syllabus of the courses((On HPTU Website))• MoU’s –Uploaded On www.tramiet.in	Name of the Programme : B.Tech (CSE,CE,EE & ME)				Year	No. of course	Total No. of course	Percentage /Year	2019-2020	74	190	38.94	2020-2021	74	190	38.94	2021-2022	74	190	38.94	2022-2023	74	190	38.94	2023-2024	75	182	41.20
Name of the Programme : B.Tech (CSE,CE,EE & ME)																													
Year	No. of course	Total No. of course	Percentage /Year																										
2019-2020	74	190	38.94																										
2020-2021	74	190	38.94																										
2021-2022	74	190	38.94																										
2022-2023	74	190	38.94																										
2023-2024	75	182	41.20																										
1.2.3	<p>Percentage of students undertaking project work/field work/internships (data for the latest completed academic year)</p> <table><tr><th>Branch</th><th>No. of Student undertaking project work / field work / internships</th><th>Total No. of Student undertaking project work / field work / internships</th></tr><tr><td>CSE</td><td>18</td><td>18</td></tr><tr><td>CE</td><td>47</td><td>47</td></tr><tr><td>ME</td><td>02</td><td>02</td></tr><tr><td>EE</td><td>16</td><td>16</td></tr><tr><td>Total</td><td>83</td><td>83</td></tr></table>	Branch	No. of Student undertaking project work / field work / internships	Total No. of Student undertaking project work / field work / internships	CSE	18	18	CE	47	47	ME	02	02	EE	16	16	Total	83	83										
Branch	No. of Student undertaking project work / field work / internships	Total No. of Student undertaking project work / field work / internships																											
CSE	18	18																											
CE	47	47																											
ME	02	02																											
EE	16	16																											
Total	83	83																											

Key Indicator 1.3 (Feedback System)

Item No.	Particulars
1.3.1	<p>Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders</p> <p style="text-align: center;">(1) Students (2) Teachers (3) Employers (4) Alumni</p> <p>Options:-</p> <p>(A) All of the above. (B) Any 3 of the above (C) Any 2 of the above (D) Any 1 of the above (E) None of the above</p> <p>Data Requirement:</p> <ul style="list-style-type: none"> • URL Students: (https://docs.google.com/forms/d/1JM8c4xhqJLbaT-5ZJnJBjv-Zh0m5E5OITGRDl05ewEM/edit#responses) • URL Teacher Feedback: (https://docs.google.com/spreadsheets/u/3/d/1vjurnR3fLQ2dJVqa0ZDS5lZg7oO45KnO7WqL78MiEB0/htmlview) • Employers Feedback attached • Alumni Feedback attached. <p>Report of analysis of feedback received from different stakeholders year wise</p> <p>Attach as Annexure(s)</p> <ul style="list-style-type: none"> • URL for stakeholder feedback report, if any • Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management • Any additional information
1.3.2	<p>Feedback process of the Institution may be classified as follows</p> <p>Options:</p> <p>(A) Feedback collected, analysed, action taken and feedback available on website (B) Feedback collected, analysed and action has been taken. (C) Feedback collected and analysed. (D) Feedback collected. (E) Feedback not collected. <input checked="" type="checkbox"/></p> <p>Attach as Annexure(s)</p> <ul style="list-style-type: none"> • Stakeholders' feedback report, action taken report of the institute. • Any additional information. • URL for feedback report, if any.

Key Indicator-2.2 Catering to Student Diversity

Item No.	Particulars
2.2.1	<p>The institution assesses the learning levels of the students and organizes special programmes for advanced learners and slow learners</p> <p>Description:</p> <p>The institute has a well-defined process for identification and implementation of supplementary accomplishments for slow and fast learners. To bridge the knowledge gap between slow and fast learners, a personality development programme is conducted in the academic session. Understanding the extent of studying tempo of every student, different teaching strategies are adopted by the faculty in the classroom to cater the diverse needs of the learners. Medium of the learners is taken care of, by providing special assistance in dealing with difficulties regarding the language of instruction. The institution follows university academic calendar in the beginning of the session; induction program is conducted in which institute organizes talks, workshops, seminars, tutorials for the learners, give opportunity to students to build their personality and overcome hesitations, encourage and give freedom to the faculty to transact their day to day activities. For the successful implementation of caring of slow and fast learner, this institute has introduced mentoring system in each of its department. Mentor regularly remains in contact with parents/guardians of the mentee and keep them inform about the academic progress and other activities of the mentee. Advanced learners are provided with teaching learning support in the form of handouts, reading material etc.</p> <p>Furthermore, participatory learning activities viz. discussion methods, heuristic method, problem solving, brainstorming, assignments with their presentations, role-plays, etc. are also organized.</p>
2.2.2	<p>Students : Full time teacher ratio (Data for the latest completed academic year)</p> <p style="text-align: center;">Students : teachers ::1:11</p> <p>Data requirement:</p> <ul style="list-style-type: none"> • Total No. of students enrolled in the institution. 368 • Total No. of full time teachers in the institution. 35

Key Indicator-2.3 Teaching-Learning Process

Item No.	Particulars
2.3.1	<p>Student centric methods, such as experiential learning, participative learning and problem solving methodologies used for enhancing learning experiences</p> <p>Description:</p> <p>TRAMIET has adopted a pedagogy that includes experiential, participatory and problem-fixing coaching mastering system this is student-centric and enables with inside the holistic boom and improvement of the students for improving the mastering revel in of students. The participatory learning recommended through the faculty entails the students in nearly all of the most important activities of the institute, presenting them realistic abilities and capabilities in fixing real-existence problems. Teachers have to made e-groups of the learners, by giving them the assignments and projects; for their teaching skill development. Students are required to undertake project work or dissertation. This gives students an opportunity to apply the theories and principles that they have learnt in the practical areas of the subject. During the last year, students are required to undergo an industrial training. The purpose of the training is to expose students to real-life industry situations, so that they may be able to apply the knowledge and skills that they have gained through classroom teaching and lab activities, in an on-the-job situation. After the period of training, students are to present their experience in the form of reports and seminar presentations</p>
2.3.2	<p>Teachers use ICT enabled tools for effective teaching-learning process.</p> <p>The ICT empowered practices executed at T. R. Abhilashi. Memorial Institute of Engineering and Technology include specialized and intellectual proficiencies to utilize access, store, create, convey and disperse data suitably utilizing ICT apparatuses for viable educating and learning measures. Teachers use ICT empowered devices including on the web assets for successful instructing and learning measures. Following are few of the significant steps with the effective teaching and learning processes;</p> <ol style="list-style-type: none"> 1. In expansion to chalk and talk strategy for educating, the teachers are utilizing the IT empowered learning instruments like PPT, Video clippings, etc. to uncover the understudies for innovative information and commonsense learning. 2. Adequate number of books, Journals, e-diaries and digital books are accessible in the library. Wi-Fi facility for access of internet is provided on individual laptop and mobile devices on the institute campus. 3. The institutional library is equipped with the textbooks, reference books and research journals of different subjects. Labs in the institute are equipped with modern technologies

	with the latest operating systems and configuration.
2.3.3	Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)
2.3.3.1	No. of mentors = 18
	No. of students assigned to each Mentor = 20
	Mentor: Mentee ::1:20

Key Indicator-2.4 Teacher Profile and Quality

Item No.	Particulars
2.4.1	<p>Average percentage of full time teachers against sanctioned posts during last five years</p> <p>Data requirement for last five years:</p> <p style="text-align: center;"><u>Year-2019-20</u></p> <ul style="list-style-type: none"> No. of full time teachers.= 41 No. of sanctioned posts.= 41 <p>Formula:</p> $\text{Percentage per year} = \frac{\text{No. of full time teachers}}{\text{No. of sanctioned posts}} \times 100 = \frac{41 \times 100}{41} = \mathbf{100\%}$ <p style="text-align: center;"><u>Year-2020-21</u></p> <ul style="list-style-type: none"> No. of full time teachers.= 39 No. of sanctioned posts.= 39 <p>Formula:</p> $\text{Percentage per year} = \frac{\text{No. of full time teachers}}{\text{No. of sanctioned posts}} \times 100 = \frac{39 \times 100}{39} = \mathbf{100\%}$ <p style="text-align: center;"><u>Year-2021-22</u></p> <ul style="list-style-type: none"> No. of full time teachers.=37 No. of sanctioned posts.= 37 <p>Formula:</p> $\text{Percentage per year} = \frac{\text{No. of full time teachers}}{\text{No. of sanctioned posts}} \times 100 = \frac{37 \times 100}{37} = \mathbf{100\%}$ <p style="text-align: center;"><u>Year-2022-23</u></p> <ul style="list-style-type: none"> No. of full time teachers.= 34 No. of sanctioned posts. = 34

Formula:

$$\text{Percentage per year} = \frac{\text{No. of full time teachers}}{\text{No. of sanctioned posts}} \times 100 = \frac{34 \times 100}{34} = 100\%$$

Year-2023-2024

- No. of full time teachers. **35**
- No. of sanctioned posts. **35**

Formula:

$$\text{Percentage per year} = \frac{\text{No. of full time teachers}}{\text{No. of sanctioned posts}} \times 100 = \frac{35 \times 100}{35} = 100\%$$

$$\text{Average percentage} = \frac{\sum \text{Percentage per year}}{5} = \frac{100+100+100+100+100}{5} = 100\%$$

Attach as Annexure(s)

- Year wise full time teachers and sanctioned posts for five years.
- Any additional information.
- List of the faculty members authenticated by the Head of HEI.

2.4.2 Average percentage of full time teachers with Ph.D./D.Sc./D.Lit. during the last five years (consider only the highest degree for count)

2.4.2.1	No. of full time teaches with Ph.D./D.sc./D.Lit. during the last five years					
	Year	2019-20	2020-21	2021-22	2022-23	2023-24
	Number	01	01	01	02	02

Data requirement for last five years:

Year-2019-20

- No. of full time teachers with Ph.D./D.Sc./D.Litt.=01
- Total No. of full time teachers.=41

Formula:

$$\text{Percentage per year} = \frac{\text{No. of full time teachers with Ph.D./D.Sc./D.Lit.}}{\text{Total No. of full time teachers}} \times 100 = \frac{01 \times 100}{41} = 2.4\%$$

Year-2020-21

- No. of full time teachers with Ph.D./D.Sc./D.Litt.=01
- Total No. of full time teachers.=39

Formula:

$$\text{Percentage per year} = \frac{\text{No. of full time teachers with Ph.D./D.Sc./D.Lit.}}{\text{Total No. of full time teachers}} \times 100 = \frac{01 \times 100}{39} = 2.5\%$$

Year-2021-22

- No. of full time teachers with Ph.D./D.Sc./D.Litt.=01

	<ul style="list-style-type: none"> Total No. of full time teachers.=37 <p>Formula: Percentage per year= $\frac{\text{No. of full time teachers with Ph.D./D.Sc./D.Lit.}}{\text{Total No. of full time teachers}} \times 100 = \frac{01 \times 100}{37} = \mathbf{2.7\%}$</p> <p style="text-align: center;"><u>Year-2022-23</u></p> <ul style="list-style-type: none"> No. of full time teachers with Ph.D./D.Sc./D.Litt.=02 Total No. of full time teachers.=34 <p>Formula: Percentage per year= $\frac{\text{No. of full time teachers with Ph.D./D.Sc./D.Lit.}}{\text{Total No. of full time teachers}} \times 100 = \frac{02 \times 100}{34} = \mathbf{5.8\%}$</p> <p style="text-align: center;"><u>Year-2023-24</u></p> <ul style="list-style-type: none"> No. of full time teachers with Ph.D./D.Sc./D.Litt.=02 Total No. of full time teachers.=35 <p>Formula: Percentage per year= $\frac{\text{No. of full time teachers with Ph.D./D.Sc./D.Lit.}}{\text{Total No. of full time teachers}} \times 100 = \frac{02 \times 100}{35} = \mathbf{5.7\%}$</p>
	<p>Average percentage = $\sum \frac{\text{Percentage per year}}{5} = \frac{2.4+2.5+2.7+5.8+5.7}{5} = \frac{19.1}{5} = \mathbf{3.82\%}$</p> <p>Attach as Annexure(s)</p> <ul style="list-style-type: none"> Any additional information. List of full time teachers with Ph.D./D.Sc./D.Lit. and number of full time teachers for five years.
2.4.3	<p>Average teaching experience of full time teachers in the same institution (data for the latest completed academic year in number of years)</p> <p>2.4.3.1 Total experience of full time teachers.</p> <p>Data requirement for last five years:</p> <ul style="list-style-type: none"> Name and No. of full time teachers with years of teaching experiences <p>Formula: $\frac{\text{Sum of total experience of full time teachers in the same institution}}{\text{No. of full time teachers}} = \frac{223.1}{35} = 6.37$</p> <p>Attach as Annexure(s)</p> <ul style="list-style-type: none"> Any additional information. List of teachers including their PAN, designation, department and experience details

Key Indicator-2.5 Evaluation Process and Reforms

Item No.	Particulars
2.5.1	<p>Mechanism of internal assessment is transparent and robust in terms of frequency and mode</p> <p>This Institution has a transparent & robust internal assessment evaluation process in terms of frequency & variety. In order to have transparency in the internal assessment the marks are communicated to the students, so that in case of any grievance related to assessment could be serviced. Also it gives opportunity to the student to re-submit the assignments for improvement in assessment credits. Continuous evaluation is made through Class Tests, Unit Tests, Home Assignments, Seminars, Group discussions etc. Unit Tests are conducted as per Academic Calendar supplied by Himachal Pradesh Technical University, Hamirpur. The performance of the students in Class Test/Unit Test alongwith Attendance marks are communicated to the Guardian/Parents of the students by the concerned Department. Personal Guidance is given to the poorly performing students after the evaluation of Tests.</p> <p>In order to have a proper mechanism, a dedicated Examination Cell under the charge of a senior faculty has been established in the T.R. Abhilashi Memorial Institute of Engineering and Technology. The following mechanism is observed in conducting the Class/Unit Tests:-</p> <ul style="list-style-type: none"> Internal Examination Committee Setting of Question Paper & its printing. Conduct of Examination & its supervision. Evaluation of Tests Distribution of evaluated sheets & Redressal of evaluation related grievances. <p>Due to internal assessment mechanism, interest of students towards learning and attending of the classes increases. It also create interest in students to take part in various co-curricular, extra Curricular, sports activities etc. for their overall personality development.</p> <p>The Seminar presentation improves the communication skills which is very essential to face interviews. Also it help the faculty to evaluate the students very efficiently.</p>
2.5.2	<p>Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient</p> <p>T.R. Abhilashi Memorial Institute of Engineering and Technology has a well defined mechanism to conduct examination internal as well as external examination & its related grievances.</p> <p>The Institution has set up a dedicated Examination Cell under the convenarship of a Sr. Faculty member assisted by the Internal Examination Committee to assist the OiC Academic Affairs/Convenor.</p> <p>Grievances related to conduct of the internal examination i.e. Class Test/Unit Tests etc. is resolved by the OiC Academic affairs at its own committee level.</p> <p>After the conduct of Tests answer scripts are evaluated by the concerned faculty at Department level and answer sheets are distributed to the students. Clarification/Grievances of the students in respect of credits to a particular question, partially evaluated answer, left</p>

	out on account of evaluation etc. are addressed. All the discrepancies are resolved. If the student is not satisfied with the award even after resolved by the faculty, He/She may report to the HODs/OiCs. Parents are intimated about the performance through the letter as well as WhatsApp Group by the Mentors. Remedial classes are conducted for the poorly performing students. Re-test are conducted for such students or the students, who remain absent in internal exams due to some genuine reason. All the credits of internal assessments are uploaded on the HPTU Portal by the OiC Acad, so that it could be credited into their final assessment/ result declared by the HPTU.
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Key Indicator-2.6 Student Performance and Learning Outcome

[National Credit Framework (NCRF) Learning Objectives and Learning Outcomes]

Item No.	Particulars
2.6.1	<p>Teachers and students are aware of the stated programme and course outcomes of the programmes offered by the institution.</p> <p>The Institute has clearly stated learning outcomes of the Programs and Courses. The following mechanism is followed to communicate the learning outcomes to the teachers and students. Copy of the Syllabus is available in the department for ready reference for students and Faculty. Learning Outcomes of the Programs and Courses are discussed with students at the end of each topic of the study by the faculty leading to which technical applications. The learning outcomes are stated using Blooms Taxonomy and expressed in the lesson plan that clearly describe the knowledge skills and competency expected from the students to acquire as a result of completing the their programme of study. The importance of the learning outcomes has been communicated to the teachers in every Meeting. The students become well versed in analyzing, designing and developing applications to solve computer science related problems. Learning outcome of this programme delves in making learner well proficient in integrating and applying the contemporary IT tools to solve problems efficiently and develop computer applications.</p>
2.6.2	<p>Attainment of Programme outcomes and course outcomes are evaluated by the institution</p> <p>The program outcomes and Program Specific outcomes are assessed with the help of course outcomes of the relevant courses through direct and indirect methods. The Institute measures the attainment of the programme outcomes, PSOs and Cos through the evaluation systems for each programme which is a combination of formative and summative evaluation. Through Formative assessment: The institution measures the attainment of the outcomes through the continuous internal assessment prescribed by the University. There is written examination which is the mirror for the attainment of the POs, PSOs and COs. The review of the result analysis is taken on the basis of it necessary improvements are done in the teaching learning process. The application of the theoretical knowledge is tested and the first hand experience is also given to them. In short, various conventional plus innovative and creative methods are used to measure the attainment of Pos, PSOs and COs by the institution. The overall result of</p>

	the students are analyzed and communicated to them. Areas of weakness for the students are indentifying through result regular observation/internal assessment.				
2.6.3	Average pass percentage of students during the last five years				
2.6.3.1	Total No. of final year students who passed the University examination year wise during the last five years. =414				
2.6.3.2	Total No. of final year students who appeared for the University examination year wise during the last five years =416				
Session	Programme code	Name of the Programme	No.of students appeared	No.of students passed	Pass Percentage
2019-20	CE	CIVIL ENGINEERING	29	29	100
	EE	ELECTRICAL ENGINEERING	25	25	100
	ME	MECHANICAL ENGINEERING	15	15	100
	CSE	COMPUTER SCIENCE AND ENGINEEING	11	11	100
2020-21	CE	CIVIL ENGINEERING	29	29	100
	EE	ELECTRICAL ENGINEERING	22	22	100
	ME	MECHANICAL ENGINEERING	15	15	100
	CSE	COMPUTER SCIENCE AND ENGINEEING	12	12	100
2021-22	CE	CIVIL ENGINEERING	46	46	100
	EE	ELECTRICAL ENGINEERING	33	33	100
	ME	MECHANICAL ENGINEERING	9	9	100
	CSE	COMPUTER SCIENCE AND ENGINEEING	14	14	100
2022-23	CE	CIVIL ENGINEERING	38	38	100
	EE	ELECTRICAL ENGINEERING	25	24	95.83
	ME	MECHANICAL ENGINEERING	3	3	100

		CSE	COMPUTER SCIENCE AND ENGINEERING	7	7	100
2023-24		CE	CIVIL ENGINEERING	47	46	97.87
		EE	ELECTRICAL ENGINEERING	16	16	100
		ME	MECHANICAL ENGINEERING	2	2	100
		CSE	COMPUTER SCIENCE AND ENGINEERING	18	18	100

Formula:

Percentage per year = $\frac{\text{Total No. of final year students who passed in the University examinations}}{\text{Total No. of final years students appeared for the University examinations}} \times 100$

Average percentage = $\frac{\sum \text{Percentage per year}}{5} = \frac{100+100+100+95.83+97.87}{5} = 98.74$

Attach as Annexure(s)

- List of programmes and No. of students passed and appeared in the final year examination.

Key Indicator-2.7 Student Satisfaction Survey (SSS)

Item No.	Particulars (SSS by HPTU)
2.7.1	<p>Online student satisfaction survey regarding teaching learning process of about 20% students.</p> <p>(online survey to be conducted)</p> <p>Data requirement:</p> <ul style="list-style-type: none"> Name/Class/Gender Student Id Number/Adhar Id Number Mobile Number Email Id Degree programme <p>(Data base of all currently enrolled students need to be prepared and shared with H.P. Technical University)</p> <p>Attach as Annexure(s)</p> <ul style="list-style-type: none"> Any additional information. Database of all currently enrolled students

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

T.R. Abhilashi Memorial Institute of Engineering and Technology is keen to promote the Research activities in the institution. Various research promotional activities are regularly adopted in the Institution time to time. Plenty of students as well as staff are contributing to a great extent in promoting quality research work in the Institution. T.R. Abhilashi Memorial Institute of Engineering and Technology has adopted a well-defined research policy for the promotion of research. T.R. Abhilashi Memorial Institute of Engineering and Technology grants freedom to faculty to choose their own topics of research and it is highly desirable to make research socially relevant. Although, faculty and students can choose their topic of research, considering the need of the institution to be well-known in specific areas of interest to the region/state, they will be counseled to undertake research activities in the following thematic areas such as Basic Science, Engineering, Business Management etc. The objectives of research policy are as follows:

1. Promotion of research and innovation,
2. Incentives for Research projects, publications and research related activities.
3. To incentivize the enhancement of intellectual capital (Patents and IPR).
4. Research awards to the achievers.
5. To facilitate national and international research collaborations and partnerships.
6. Financial assistance for attending National and International Conferences and Faculty Development programmes.
7. Institutional and Research Facilities.
8. To ensure integrity, quality and ethics in research.

The T.R. Abhilashi Memorial Institute of Engineering and Technology encourages its faculty members regularly to submit research proposals to various funding agencies both at national and international level to generate funding. Researchers can submit a research project to any government or non-government agency. To initiate research activities, Institution provides incentives in the form of financial reward and promotion as an integral part of the research policy of the Institution. Institution announces time to time a call for research proposals from faculty members. Faculty members must publish their research findings in refereed national and international journals. To facilitates faculty members to publish their research papers in well indexed journals, T.R. Abhilashi Memorial Institute of Engineering and Technology also provides recognitions to such researchers in the form of recognition certificates and listing on institution website. In order to improve the quality

of research publications, Institution provide incentive for all such publications that appear in UGC Care list/ ICAR NAAS ratings (More than 4), SCOPUS (Elsevier) Self Study Report of T.R. ABHILASHI MEMORIAL INSTITUTE OF ENGINEERING AND TECHNOLOGY and/or Web of Knowledge (Clarivate Analytics) indexed journal. It is expected that each faculty will publish at least one working paper in an academic year.

3.1.1	Grants received from Government and non-government agencies for research projects/endowments in the institution during the last five years (INR in lakhs)																	
3.1.1.1	Total grants from Government and non-governmental agencies for research projects/endowments in the institution during the last five years (INR in lakhs)																	
Response: 01 research projects have been approved till now.																		
Project Name: Biomass as fuel to overcome firewood need and save the Environment.																		
<table><tr><td>Year</td><td>2024-23</td><td>2023-2022</td><td>2022-2021</td><td>2021-2020</td><td>2020-2019</td></tr><tr><td>INR in lakhs</td><td>Nil</td><td>Nil</td><td>Nil</td><td>Nil</td><td>3,00,000/-</td></tr></table>							Year	2024-23	2023-2022	2022-2021	2021-2020	2020-2019	INR in lakhs	Nil	Nil	Nil	Nil	3,00,000/-
Year	2024-23	2023-2022	2022-2021	2021-2020	2020-2019													
INR in lakhs	Nil	Nil	Nil	Nil	3,00,000/-													
3.1.2	Percentage of department having Research projects funded by government and non-government agencies during the last five years.																	
3.1.3.1:	Number of department having Research projects funded by government and non-government agencies during the last five years.																	
<table><tr><td>Year</td><td>2024-23</td><td>2023-2022</td><td>2022-2021</td><td>2021-2020</td><td>2020-2019</td></tr><tr><td>Number of teachers</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td></tr></table>							Year	2024-23	2023-2022	2022-2021	2021-2020	2020-2019	Number of teachers	0	0	0	0	1
Year	2024-23	2023-2022	2022-2021	2021-2020	2020-2019													
Number of teachers	0	0	0	0	1													
Formula:-																		
<div>Number of department having Research projects funded by government and non-government agencies during the last five years</div> <div>Total number of department</div> <div>*100</div>																		
01/3 =33.33																		



Himachal Pradesh Technical University

(A State Government University)

Camp Office: Gandhi Chowk, Hamirpur (H.P.) - 177001

Phone : (01972) 224153, Fax: (01972) 224150,

E-mail ID: deanplanninghptu@gmail.com website: www.himtu.ac.in

No. HimTu-3(Acad)M-CR/2019-10044

Dated: - 31-8-19

To

The Director/Principal
T.R Abhilashi Memorial Institute
of Engineering and Technology, Mandi

Sub: Sanction of Project Proposal submitted under Competitive Research Fund of TEQIP-III for "Biomass as Fuel to overcome firewood need and save the Environment".

Sir,

1. HP Technical University has considered the above project proposal submitted by Mr. Pankaj Verma (PI), T.R. Abhilashi, Mandi, Mr. Abhay Mahajan (Co-PI), T.R. Abhilashi, Mandi, Dr. S. Vaibhav, Carrier Point University, Hamirpur (Co-PI) and Mr. Rishi Sharma, Carrier Point University, Hamirpur (Co-PI).
2. The HP Technical University has sanctioned a grant of Rs. 3,00,000/- (Rupees Three Lakh only) under Competitive Research Fund of TEQIP-III Project. The first installment i.e. one fourth of the total project value shall be transferred to the lead institution (through PFMS) after receiving the grant-in-aid bill proforma (Annexure-II) duly filled in, stamped and signed by the PI as well as by the Principal/Director of lead institution. Furtherwards, fund shall be released on reimbursement basis. The release of funds will be subject to the availability/receipt of funds from NPIU.
3. The duration of the project is 10 months from date of award and shall end by completion of TEQIP-III Project.
4. The study as proposed by the researcher/(s), is to be located at and financially administered by your institution as per the guidelines of this award.
5. The permissible head wise limits are as follows:

a) Field Work/Travel for Research Activities (national only)	- 30%
b) Hiring Charges	- 15%
c) Research Lab Charges	- 20%
d) Publication Charges	- 05%
e) Contingency including Consumable or Non-Consumable/Software/Books/Journals	- 30%

Any re-appropriation of funds from one head to another will be allowed subject to the approval from competent authority only after the mid review meeting i.e. six months from the award of project.

6. In case, the PI does not submit the mid review report/final project report as per schedule, the recovery of the total transferred amount with interest shall be made from PI and lead institution.
7. The lead institute will ensure that the utilization of funds by PI strictly as per the guidelines for project purpose only.
8. The project is sanctioned with the condition that all the guidelines, terms & conditions and permissible limit of the project shall be followed by PI/Co-PI and lead Institution while executing the project.


Registrar

Endst. No. Even-
Copy forwarded to:-

Dated: 31-8-19

1. Mr. Pankaj Verma (PI), T.R. Abhilashi, Mandi, H.P. for information and necessary action please.
2. Mr. Abhay Mahajan (Co-PI), T.R. Abhilashi, Mandi, H.P. for information and necessary action please.
3. Dr. S. Vaibhav (Co-PI), Carrier Point University, Hamirpur, H.P. for information and necessary action please.
4. Mr. Rishi Sharma (Co-PI), Carrier Point University, Hamirpur, H.P. for information and necessary action please.
5. Nodal Officer (Finance), Himachal Pradesh Technical University for information please.
6. P.S to Vice-Chancellor, Himachal Pradesh Technical University for information please.
7. P.A. to Registrar, Himachal Pradesh Technical University for information please.


Registrar



T.R.ABHILASHI MEMORIAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tanda, P.O.-Balt (Ner Chowk), Distt-Mandi H.P. -175008

Approved by:AICTE & affiliated to HPTU, Hamirpur/H.P.T.S.B, Dharmshala

Ref. No. G.E.S/Tanda/ 2019-20/-1829

Dated:-05/10/2019

To

The Registrar
Himachal Pradesh Technical University
Hamirpur (H.P.)

Sub: Submission of acceptance certificate and affidavit for research project in R/O T.R. Abhilashi Memorial Institute of Engineering & Technology, Tanda, Distt Mandi (H.P.).

Sir,

I have the honour to forward acceptance certificate and affidavit for research project (Biomass as a fuel to overcome firewood need and save the environment).

Thanking You.

Encl:-

1. Acceptance certificate for research project- 01 page
2. Affidavit- 01 page

B.K. Barkan
Director
T. R. Abhilashi Memorial
Institute of Engg. & Tech.
Tanda, P.O. Balt, Distt. Mandi (H.P.)

B.K. Barkan
Director
T. R. Abhilashi Memorial
Institute of Engg. & Tech.
Tanda, P.O. Balt, Distt. Mandi (H.P.)

भारतीय डाक
EE7747301118 IVR
SP NANDI SORTING
Counter No:1,05/10/2019, 17-50
To:REG HPTU, HMR
PIN:177001, Hamirpur ND HP Circle
From:TR ABHILASHI "NM" RAIL
Wt:150gm
Amt:41.30(Cash)Tax:6.70
<Track on www.indiapost.gov.in>
(Dial 1800 266 6858)



Himachal Pradesh Technical University

(A State Government University)

Camp Office: Gandhi Chowk, Hamirpur (H.P.) - 177001

Phone : (01972) 224153, Fax: (01972) 224150,

E-mail ID: deanplanninghptu@gmail.com website: www.himtu.ac.in

ACCEPTANCE CERTIFICATE FOR RESEARCH PROJECT

Name Dr. Pankaj Verma.

No. F. HimTu-3(Acad) M-CR/2019-10044 dated 31/08/19

Title of the Project Business as fuel to overcome power need and save the e

1. The terms and conditions related to the project as mentioned in the award letter and guidelines (Annexure-I) are acceptable to the Principal Investigator and lead Institution.
2. At present, I have neither submitted nor approved similar research project by UGC/AICTE/any other agency.
3. The College/Institution is fit to receive financial assistance and the account details may be sent in separate sheet duly attested by Principal/Director of leading institute.
4. The Principal Investigator shall seek prior approval from HP Technical University through College/Institutions Principal/Director before incurred expenditure related to project.
5. i) Date of appointment of PI in present Institution 01/08/2016
 ii) Designation Assistant Professor (Electrical Engineering)
 iii) Nature of appointment: Permanent/Contractual.
6. The date of implementation of the Project is 30/06/2020.


Principal Investigator

Principal B. K. S. V. Kar

Lead College/Institution

T. R. Abhilash Memorial
Institute of Engg. & Tech.
Tanda, P.O. Ball, Dist. Mandi (H.P.)

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हिमाचल प्रदेश HIMACHAL PRADESH

13AA 549243

AFFIDAVIT

I, Biplab Kumar Sarkar S/o Sh. Ichchha Ram age 44 Years, Director, T.R. Abhilashi Memorial Institute of Engineering & Technology, Tanda, P.O. Balt, Tehsil Balh, Distt Mandi (H.P.) here by undertake that:

1. The funds sanctioned under competitive research fund of TEQIP-III for the project on "Biomass as fuel to overcome firewood need and save the environment".
2. As submitted by Mr Pankaj Verma (Project Investigator of TR Abhilashi Memorial Institute of Engg & Technology Tanda, will be utilized as per the project guide lines/ direction of HPTU/TEQIP.
3. A separate account will be opened for the above project.

I personally the deponent
has signed my name
Signature of deponent

Verification

Deponent
Director
T. R. Abhilashi Memorial
Institute of Engg. & Tech.
Tanda, P.O. Balt, Distt. Mandi (H.P.)

I the above named deponent do affirm that the contents of this affidavit are true and nothing has been canceled in it

Date: 05-10-2019

certified that the contents of the
declaration & affirmation statement
made on oath have been read over
and explained to the deponent and
that he has understood the same and
be declaration, affirmation/statement
at the time of making thereof

Rakesh Kumar Thakur
NOTARY PUBLIC
Tanda, P.O. Balt, Distt. Mandi (H.P.)

Deponent
Director
T. R. Abhilashi Memorial
Institute of Engg. & Tech.
Tanda, P.O. Balt, Distt. Mandi (H.P.)

3.1.3

Number of seminars /conferences/ workshops conducted by the institution during the last five years

Response: yes

3.3.2.1: Total Number of seminars /conferences/ workshops conducted by the institution t during the last five years

Year	2024-2023	2023-2022	2022-2021	2021-2020	2020-2019
Number	01	01	02	05	03
File Description			Document		
Report of the event			Attached		
Additional information					
List of workshops/seminars held during last 5 years (Data Template)			Attached		

File Description (Upload)

Report of the event

Any additional information

List of workshops/seminars held during last 5 years (Data Template)

Sr.No.	Workshop /Seminar	Date	Department
1	Workshop On Latest Trends In IT	19/10/2023	Think Next Technology And Electrical Engineering Department, TRAMIET
2	Industrial And Technical Workshop	28/03/2023	Novem Controls And Electrical Engineering Department, TRAMIET
3	Characteristics And Design Challenges In Large Scale Distributed System	5/3/2021	Dr. T.P. Sharma Department Of Computer Science
4	Recent Trends In Hydraulic Turbines	16/03/2021	Dr. Ravinder Navthar , Department Of Mechanical Engg. Dr. Vithal Rao, Department Of Mechanical Engg. Vikhe Patil College Of Engg.
5	Use Of Smart Technologies In Condition Assessment Of Civil Structure	6/3/2021	Mr. Ashish Kapoor , Absolute Testing And Consultants Chandigarh.
6	Startup	05/03/2021	Mr. Ajay Godara,CEO Enovate Lab Nitttr Chandigarh
7	Solar thermal technologies :its status and opportunities	05/03/2021	Dr. Ruhit Jyoti Konwar,Department Of Renewable Energy Akal College of Engg. And Technology,Baru Sahib
8	Solar PV System Training	21-22/10/2019	Mr. Ajay Godara,CEO Enovate Lab Nitttr Chandigarh
9	Internet of Things	20/09/2019	Ishan Vaid, Aman Bakshi, Allsoft Solutions Business partner IBM
10	Electoral literacy	19/04/2022	IQAC TRAMIET and Election Commission
11	Start up	01/03/2021	Mr. Ajay Godara,CEO Enovate Lab Nitttr Chandigarh
12	Transforming Teaching Skill: Participant Centered Learning	28/11/2019-4/12/2019	T.R. Abhilashi Memorial Institute of Engg. & Technology,TANDA

NCPL/2023/0018

novem
CONTROLS



CERTIFICATE

OF COMPLETION

TECHNICAL WORKSHOP

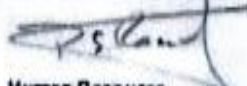
AMIT CHOUDHARY

S/O SH. Roop Lal Choudhary FROM T.R Abhilashi Memorial Institute of Engg. & Technology
Roll no. (221001) WHO HAS SUCCESSFULLY Completed HIS
One Day Technical Workshop PROGRAM

We WISH HIM A VERY SUCCESSFUL CAREER AHEAD.

Thanking you.

Yours faithfully,
For NOVEM CONTROLS


Human Resource



Dr. Himanshu Misra
Assistant Professor
School of Computing & Electrical Engineering



Dated: 01/08/2022

TO WHOM SO EVER IT MAY CONCERN

This is to inform and certify that Mr. Chirag Thakur Son of Mr. Kalidas has worked in School of Computing and Electrical Engineering, Indian Institute of Technology Mandi as an intern in the SERB-SRG under scientific social responsibility in the SERB project (IITM/SERB/HM/304) titled "Control of Permanent Magnet synchronous machine for efficient operation of Electric Vehicle" for a period of about two months starting from 01-06-2022 to 31-07-2022.

During this period, I found Mr. Chirag Thakur to be knowledgeable and result oriented professional. He performed his duties and responsibilities cheerfully with attention to details. I am certain that he would make a valuable employee to any enterprise. His character and conduct during this period are found to be good.

I wish him all the best his future endeavors.

Him
01/08/22
Dr. Himanshu Misra

Dr. Himanshu Mishra
Assistant Professor
School of Computing & Electrical Engineering
Indian Institute of Technology Mandi
Kamand-175005, Mandi H.P. INDIA

Himanshu Misra

Assistant Professor

School of Computing & Electrical Engineering



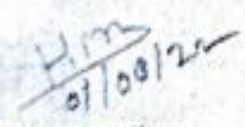
Dated: 01/08/2022

TO WHOM SO EVER IT MAY CONCERN

This is to inform and certify that Miss. Amrita Daughter of Mr. Shivram has worked in School of Computing and Electrical Engineering, Indian Institute of Technology Mandi as an intern for a period of about two months starting from 01-06-2022 to 31-07-2022.

During this period, I found Miss. Amrita to be knowledgeable and result oriented professional. She performed her duties and responsibilities cheerfully with attention to details. I am certain that she would make a valuable employee to any enterprise. Her character and conduct during this period are found to be good.

I wish her all the best in her future endeavors.


Dr. Himanshu Misra

Dr. Himanshu Misra
Assistant Professor
School of Computing & Electrical Engineering
Indian Institute of Technology Mandi



Himachal Pradesh Technical University

(A State Government University)

Camp Office: Gandhi Chowk, Hamirpur (H.P.) – 177001

Phone : (01972) 224153, Fax: (01972) 224150.

E-mail ID: deanplanninghptu@gmail.com website: www.himtu.ac.in

No. HimTu-3(Acad)M-PR/2019 - 4255

Dated: - 02/03/2021

To

The Director
T.R. Abhilashi Memorial Institute of Engineering & Technology
Mandi

Subject: Permission for conducting Expert Lecture on “Characteristics and Design challenges in large scale Distributed System” under TEQIP –III Project.

Sir,

With reference to your office letter No. TRAMIET/TANDA/890, dated 01-03-2021 on subject cited above, it is informed that the proposal /request submitted by you for conducting Expert Lecture on “Characteristics and Design challenges in large scale Distributed System” under TEQIP –III norms has been approved.

Above is for your information and necessary action please.


TEQIP-III Coordinator

Encls: as above - 4255

Copy forwarded to:-

1. P.S. to Vice-Chancellor, Himachal Pradesh Technical University for information please.
2. P.A. to Registrar, Himachal Pradesh Technical University for information please.


TEQIP-III Coordinator



T.R.ABHILASHI MEMORIAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tanda, P.O.-Balt (Ner Chowk), Distt-Mandi H.P. -175008

Approved by:AICTE & affiliated to H.P.U, Shimla-05/HPTU, Hamirpur

Date:04/03/2021

To

**Dr. T.P Sharma
Department of Computer Science
NIT, Hamirpur.**

Sir,

As per HPTU guidelines and HPTU-TEQIP III calendar for guest and expert lecture for engineering students, your good self be very appropriate for Expert lecture for our institute. We believe that your research and experience in the field of computer science engineering can help our pupils to nurture their expertise in this field. We are exceptionally grateful to find you as guest lecturer to our students.

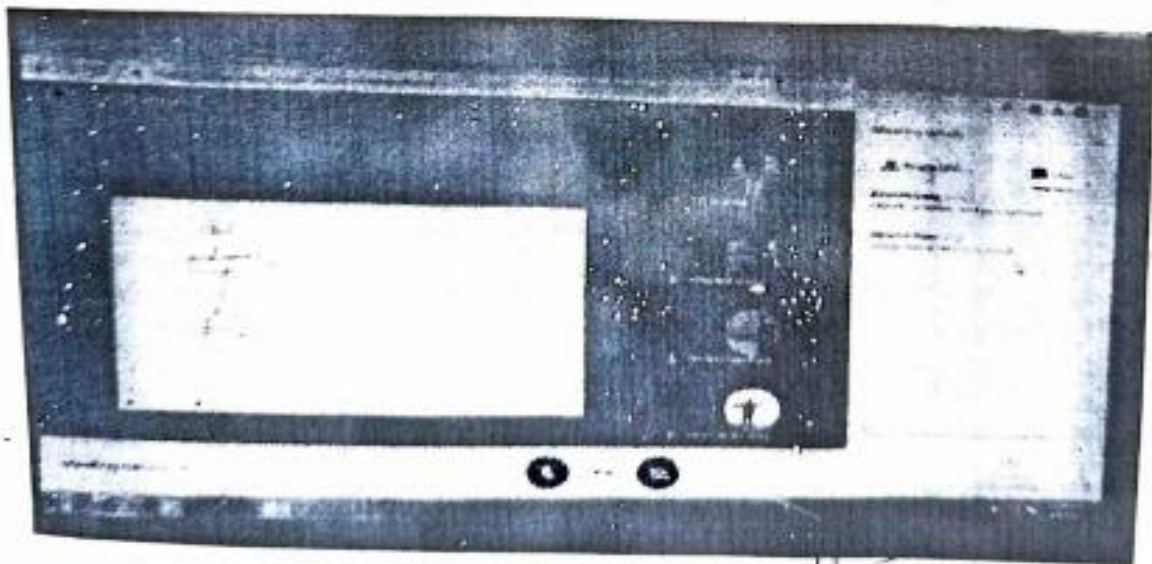
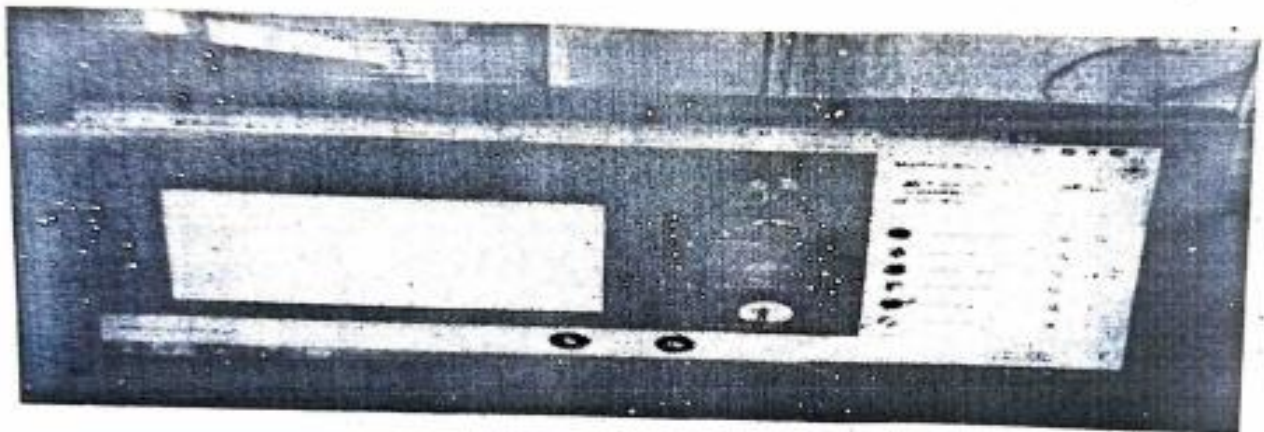
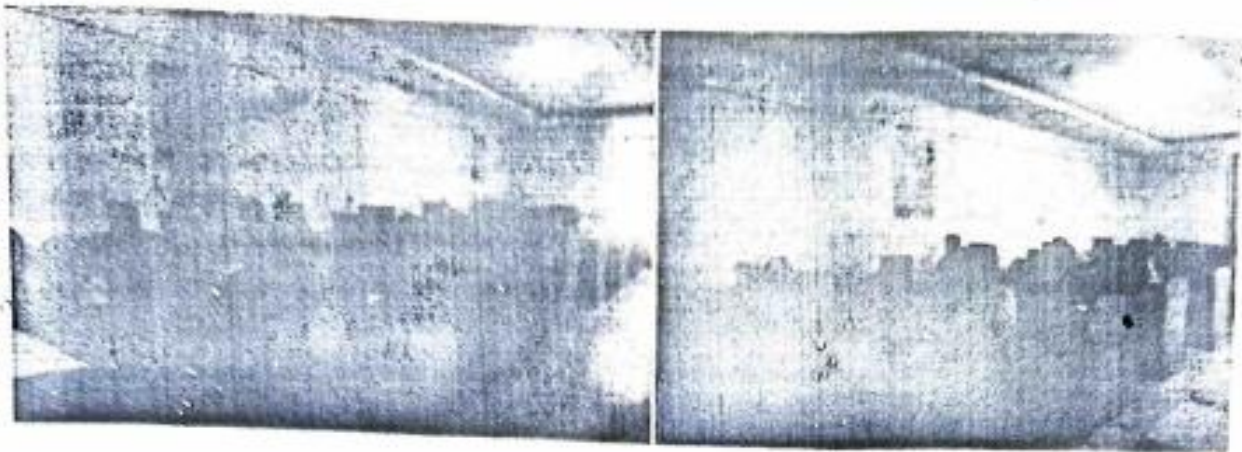
Please send us confirmation letter as the activity is scheduled on 05/03/2021 through online mode on **"Characteristics and Design challenges in large scale Distributed System"**. We will schedule the Google meeting with timing and let you know by today itself.

Honorarium and TA/DA will be paid as per Human Resource Development Guidelines vide letter F.NO. 16-26/2017 -TS.VII (Enclosed)

Please feel free to contact us for any further information.

Thanking you.

**Er. Pankaj Verma
HOD Electrical /TEQIP III Coordinator
TR Abhilashi Memorial Institute of Engineering and Technology
TANDA Mandi (H.P)
Contact: 8580460830
e-mail: pankajv.elect@nitttrchd.ac.in**



Divya
Divya

Director
Director
T.R. Abhlashi Memorial Institute
of Engineering & Technology,
Tarida, P.O. Balt, Distt. Mandi H.P.

estamp	email address	name	email	Class Roll no	Phone number	Branch
4/3/2021 14:52	Kritika131192@gmail.com	Kritika	Kritika131192@gmail.com		8219401220	
4/3/2021 14:53	Cse Tramiet	Anmol chaudhary	Anmolchaudhary2901@gmail.com	218015	7018609257	CSE
4/3/2021 14:53	Indorimridu123@gmail.com	Mridula	Mridulindora123@gmail.com	218009	62300 57133	CSE
4/3/2021 14:53	chauhannaincy143@gmail.com	Naincy	chauhannaincy143@gmail.com	218007	8219563453	CSE
4/3/2021 14:53	Kashyapakshay17@gmail.com	Akshay Kumar	Kashyapakshay17@gmail.com	218001	8219176393	Cse
4/3/2021 14:53	Sharmaknu5321@gmail.com	Kanika sharma	Sharmaknu5321@gmail.com	218003	7018023851	CSE
4/3/2021 14:53	shamaneesa888@gmail.com	Neha Kumar	shamaneesa888@gmail.com	218014	898847897	Cse
4/3/2021 14:53	rawatwernandi@gmail.com	Rawat Kumar	rawatwernandi@gmail.com	218006	8580558095	Computer Science Engineering
4/3/2021 14:54	Sharmaknu5321@gmail.com	Kanika sharma	Sharmaknu5321@gmail.com	218003	7018023851	CSE
4/3/2021 14:54	priyankaverna5306@gmail.com	Priyanka verma	priyankaverna5306@gmail.com	218011	7018355706	Cse
4/3/2021 14:54	nvvermaneha195@gmail.com	Neha verma	nvvermaneha195@gmail.com	218010	6280789610	CSE
4/3/2021 14:54	sankhyansahil63@gmail.com	Sahil Sankhyan	sankhyansahil63@gmail.com	219002	7876077475	CSE
4/3/2021 14:54	mndyalamn@gmail.com	Aman Kumar	mndyalamn@gmail.com	220001	7018757100	CSE
4/3/2021 14:55	cse.tramiet@gmail.com	Geetanjali	gtnjthkr@gmail.com		9418938141	CSE
4/3/2021 14:57	Tanvithakur467@gmail.com	Riya Chauhan	tanvithakur467@gmail.com	218008	862788316	Cse
4/3/2021 15:02	abhishek.guru420@gmail.com	ABHISHEK GUPTA	abhishek.guru420@gmail.com	217007	9.19882E+11	2017-2021
4/3/2021 15:04	ashama13254@gmail.com	Anjali Sharma	ashama13254@gmail.com	217008	8263817890	C.S.E.
4/3/2021 15:05	anuradhathakur23898@gmail.com	Anuradha Devi	anuradhathakur23898@gmail.com	217003	7018104523	CSE
4/3/2021 15:07	vanitathakur19596@gmail.com	Vanita	vanitathakur19596@gmail.com	7011	8580669232	Cse
4/3/2021 15:15	harsh.thakur.539@gmail.com	HARASH THAKUR	harsh.thakur.539@gmail.com	217014	8580664796	B.tech CSE.
4/3/2021 15:56	amanthakur.kv@gmail.com	Aman Thakur	amanthakur.kv@gmail.com	217005	8350825036	CSE

(CSE Dept)

Director
T.R. Abhilashi Memorial Institute
of Engineering & Technology,
Tanda, P.O. Baki, Distt. Mandi H.P.

4/3/2021 16:00	kritkackg67@gmail.com	Ritika Gupta	kritkackg67@gmail.com	219005	7018124967	Btech CSE 2nd year
4/3/2021 16:02	shahimandya301@gmail.com	Shalvi Mandyal		18bt140304	8629872301	Computer science
4/3/2021 16:17	Kashyapakshay17@gmail.com	Akshay Kumar	Kashyapakshay17@gmail.com	218001	8219176393	Cse
4/3/2021 16:28	kamlesh8633ak@gmail.com	Kamlesh Kumar	kamlesh8633ak@gmail.com	217006	8219416633	CSE
4/3/2021 16:44	ishudhiman171@gmail.com	Ishu Dhiman	ishudhiman171@gmail.com	220004	7807562382	CSE
4/3/2021 16:44	sahiljamwal2471@gmail.com	Sahil Jamwal	sahiljamwal2471@gmail.com	120009	7876662912	Civil
4/3/2021 16:47	ankunaresht705@gmail.com	Ayush sharma	ankunaresht705@gmail.com	220002	8627057771	C.S.E
4/3/2021 16:49	thakurudit143@gmail.com	Udit Kumar	thakurudit143@gmail.com	220005	7807028551	CSE
4/3/2021 17:19	Shivamthakur000010.st@gmail.com	Shivam thakur	Shivamthakur000010.st@gmail.com	17bt140301	8628893055	Btech(cse)
4/3/2021 17:22	vmandya5@gmail.com	Desh Raj	vmandya5@gmail.com	220003	7876620322	CSE
4/3/2021 17:24	vmandya5@gmail.com	Desh Raj	vmandya5@gmail.com	220003	7876620322	CSE
4/3/2021 20:15	sharma.divya63@gmail.com	Divya Jyoti	sharma.divya63@gmail.com		9458060751	Cse
4/3/2021 20:23	ritikasaini624@gmail.com	Ritika Saini	ritikasaini624@gmail.com			Computer Science
4/3/2021 21:10	bhatisashvani91@gmail.com	Shivani Bhatia	bhatisashvani91@gmail.com	218005	8091732964	CSE
4/3/2021 21:18	Kashyapakshay17@gmail.com	Akshay Kumar	Kashyapakshay17@gmail.com	218001	8219176393	Cse
5/3/2021 9:57	sabhi6930@gmail.com	Abhishek Verma	sabhi6930@gmail.com	219007	8219657011	CSE
5/3/2021 9:58	prince45720@gmail.com	Suman Kumar	prince45720@gmail.com	219008	8351916387	CSE
5/3/2021 10:09	sharmaerpoonam549@gmail.com	Poonam Sharma	sharmaerpoonam549@gmail.com	219010	7558792855	CSE
5/3/2021 10:26	Sunilmnd@gmail.com	Sunil	Sunilmnd@gmail.com		9805961124	CSE
5/3/2021 10:31	thakurketan464@gmail.com	Ketan Thakur	thakurketan464@gmail.com	219004	8882073270	C.S.E
5/3/2021 10:32	nathaakash2000@gmail.com	Aakash nath	nathaakash2000@gmail.com	219006	9781424465	Computer Science Engineering
5/3/2021 10:32	nathaakash2000@gmail.com	Aakash nath	nathaakash2000@gmail.com	219006	9781424465	Computer Science Engineering
5/3/2021 10:57	Vill. pungh p. U. Sunder nagar 1, Tah. Sunder nagar distt. Mandi(h.p.)	Sanjay kumar	thakursanjay953@gmail.com	18bt140303	8219314054	Cse
5/3/2021 10:59	Sharmashreya0726@gmail.com	Shreya	Sharmashreya0726@gmail.com	218012	8219067101	Cse
10/3/2021 8:49	sahiljamwal2471@gmail.com	Sahil Jamwal	sahiljamwal2471@gmail.com	120009	7876662912	Civil

Handwritten signature
(see Dept)

Handwritten signature
 Y.R. Abhishek Memorial Institute
 of Engineering & Technology
 Tanda, P.O. Balti, Distt. Mandi, H.P.



Himachal Pradesh Technical University

(A State Government University)

Camp Office, Gandhi Chowk, Hamirpur (H.P.) -- 177001

Phone : (01972) 224153, Fax: (01972) 224150,

E-mail ID: deanplanninghptu@gmail.com website: www.himtu.ac.in

No. HimTu-3(Acad)M-PR/2019 - 4277

Dated: - 15/03/2021

To

The Director

T.R. Abhilashi Memorial Institute of Engineering & Technology
Mandi.

Subject: Permission for conducting Expert Lecture "Recent Trends in Hydraulic Turbines" under TEQIP -III Activities

Sir,

With reference to your office letter No. TRAMIET/TANDA/899, dated 08-03-2021 on subject cited above, it is informed that the proposal /request submitted by you for conducting Expert Lecture on "Recent Trends in Hydraulic Turbines" under TEQIP -III norms has been approved. Kindly send the Bill within 2-3 days.

Above is for your information and necessary action please.

TEQIP-III Coordinator

Encls: as above - 4277

Copy forwarded to:-

1. P.S to Vice-Chancellor, Himachal Pradesh Technical University for information please.
2. P.A. to Registrar, Himachal Pradesh Technical University for information please

TEQIP-III Coordinator



T.R.ABHILASHI MEMORIAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tanda, P.O.-Balt (Ner Chowk), Distt-Mandi H.P. -175008

Approved by:AICTE & affiliated to H.P.U, Shimla-05/HPTU, Hamirpur

Date:16/03/2021

To

**Dr. Ravindra Navthar (Professor,
Department of Mechanical Engineering),
Dr. Vithalrao Vikhe Patil College of Engineering ,
Ahemednagar, Maharashtra .**

Dear Sir,


As per HPTU guidelines and HPTU TEQIP III calendar for guest and expert lecture for engineering students, we find your good self as appropriate for Expert lecture in our institute. We believe that your work in the field of Mechanical Engineering can help our pupils to nurture their expertise. We are exceptionally grateful to find you as guest lecturer to our students.

Please send us confirmation latter as the activity is scheduled on 16/03/2021 through online mode on "**Recent Trends in Hydraulic Turbine**". We will schēdule the Google meeting with timing and let you know by today itself

Honorarium and TA/DA will be paid as per Human Resource Development Guidelines vide latter F.NO. 16-26/2017 -TS.VII (Enclosed)

Please feel free to contact us for any further information.

Thanking you.


Er. Vijay Guleria
HOD Mechanical Engineering
TR Abhilashi Memorial Institute of Engineering and Technology.
TANDA Mandi (H.P)
Contact:-8894889573
e-mail: vijay.guleria287@gmail.com



Himachal Pradesh Technical University

(A State Government University)

Camp Office: Gandhi Chowk, Hamirpur (H.P.) – 177001

Phone : (01972) 224153, Fax. (01972) 224150,

E-mail ID: deanplanninghptu@gmail.com website: www.himtu.ac.in

No. HimTu-3(Acad)M-FDP/2019 - 4249

Dated: - 01/03/2021

To

The Director

T.R. Abhilashi Memorial Institute of Engineering & Technology
Mandi

Subject:

Permission for conducting Expert Lecture on "Use of Smart Technologies in Condition Assessment of Civil Structures" under TEQIP -III Project.

Sir,

With reference to your office letter NoTRAMIET/TANDA/2020-21/1961, dated 26-02-2021 on subject cited above, it is informed that the proposal /request submitted by you for conducting Expert Lecture on "Use of Smart Technologies in Condition Assessment of Civil Structures" under TEQIP -III norms has been approved.

Above is for your information and necessary action please.


TEQIP-III Coordinator

Encls: as above - 4249

Copy forwarded to:-

1. P.S to Vice-Chancellor, Himachal Pradesh Technical University for information please.
2. P.A. to Registrar, Himachal Pradesh Technical University for information please.


TEQIP-III Coordinator



T.R.ABHILASHI MEMORIAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tanda, P.O.-Balt (Ner Chowk), Distt-Mandi H.P. -175008

Approved by: AICTE & affiliated to H.P.U, Shimla-05/HPTU, Hamirpur

Date: 04/03/2021

To

**Mr. Ashish Kapoor
Engineer
Absolute testing and Consultants
Chandigarh
Contact: 09780110582**

Dear Sir,

As per HPTU guidelines and HPTU TEQIP III calendar for guest and expert lecture for engineering students, we find your good self as appropriate for Expert lecture in our institute. We believe that your work in the field of civil engineering can help our pupils to nurture their expertise. We are exceptionally grateful to find you as guest lecturer to our students.

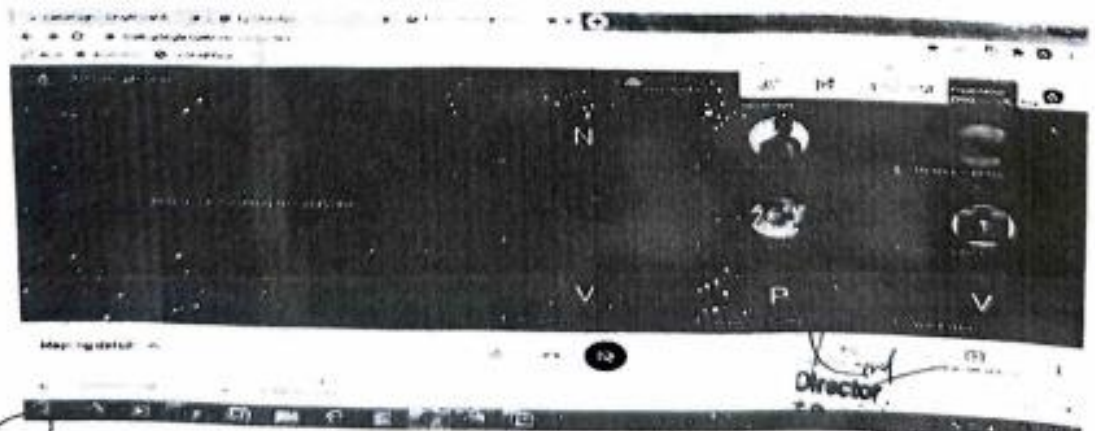
Please send us confirmation letter as the activity is scheduled on 06/03/2021 through online mode on "Use of Smart Technologies in Condition Assessment of Civil Structures". We will schedule the Google meeting with timing and let you know by today itself

Honorarium and TA/DA will be paid as per Human Resource Development Guidelines vide letter F.NO. 16-26/2017 -TS.VII (Enclosed)

Please feel free to contact us for any further information.

Thanking you.


**Er. Pankaj Verma
HOD Electrical /TEQIP III Coordinator
TR Abhilashi Memorial Institute of Engineering and Technology
TANDA Mandi (H.P)
Contact: 8580460830
e-mail: pankajv.elect@nitttrchd.ac.in**



[Handwritten signature]

[Handwritten signature]
 Director,
 Government Engineering College of Engineering and Technology,
 Yerrahalli, P.O. Bellary District, Karnataka.

S.NO	Submit Time	1. Name of student	2. Email ID	3. Mo. Number	4. Branch	5. semester
1	04-03-2021	Tara	thakurtara444@gmail.com	8091770719	Civil engineering	7th
2	04-03-2021	Het Ram	hr.chauhan0079@gmail.com	9882634690	Civil	8th
3	04-03-2021	Rajat saini	rajatsaini31563@gmail.com	8219537070	Civil	6th
4	04-03-2021	Nishant	nishantthakur116@gmail.com	7018977009	Civil	6th
5	04-03-2021	Tushar Sharma	Mannusharmatushar2001@gmail.com	8580542340	Civil	6
6	04-03-2021	Pratibha	pratibhachhavi@gmail.com	7807494590	Civil engineering	6th
7	04-03-2021	Simran Chauhan	chauhantanu740@gmail.com	8580732180	Civil	6
8	04-03-2021	Paris	parishchauhan01@gmail.com	8580732180	Civil	6
9	04-03-2021	Shubam sharma	shubampagyal99@gmail.com	9149413118	Civil	6th
10	04-03-2021	Shreya	Shreyaac00@gmail.com	8219906946	Civil	6th
11	04-03-2021	Rohit	chaudharyrohit897@gmail.com	7018172003	Civil engineering	8th
12	04-03-2021	Jyoti devi	vyotiverma16111999@gmail.com	9805351448	Civil engineering	3rd
13	04-03-2021	Pallvi	Pallvi9229@gmail.com	7876093796	Civil	3rd
14	04-03-2021	Dhananjay	bhanubhardwaj7912@gmail.com	7018955815	Civil	6th
15	04-03-2021	Latika Mahajan	latikamahajan1@gmail.com	6230383440	Civil	6th
16	04-03-2021	Digvijay Singh Sen	jaysnr.11@gmail.com	7018887137	Civil	6
17	04-03-2021	Shivansh	shivanshom101@gmail.com	8580478396	Civil	6th
18	04-03-2021	Omkar	omkarwalla0@gmail.com	8219520092	Civil	6
19	04-03-2021	Neeraj Kumar	neerajchaudhary34304@gmail.com	9882549205	Civil	6
20	04-03-2021	Sonu Kumar	chauhansonu8907@gmail.com	8219539949	Civil Engineering	6
21	04-03-2021	Rk	Hhgfhhghj@gmail.com	8626567897	Civil	5
22	04-03-2021	Yogeshwar	yogesh25899@gmail.com	7018162866	Civil	6
23	04-03-2021	Pallavi	Pallavidhiman980@gmail.com	8219067194	Civil engineering	6th
24	04-03-2021	Shubham thakur	Shubhamthakurrzt@gmail.com	8219456745	Civil	6
25	04-03-2021	Pallvi chauhan	chauhanpallu782001@gmail.com	8091150734	Civil	6th
26	04-03-2021	Sahil sen	sahilsen099@gmail.com	7018770042	Civil Engg.	8th
27	04-03-2021	Abhishek thakur	Abhithakur1313@gmail.com	7018200997	Civil	6
28	04-03-2021	Vikrant	Vikrantnaik0123@gmail.com	7018107923	Civil engg	3rd
29	04-03-2021	Nitish Gaur	gaurnitish787@gmail.com	7807355472	Civil engineering	3rd
30	04-03-2021	Shashank kumar tiwari	tiwarishashank1978@gmail.com	7807846151	Civil	3rd
31	04-03-2021	Rajender Kumar	believethakur01@gmail.com	8278880196	Civil	3
32	04-03-2021	Rohit	naikrohit583@gmail.com	7876774588	Civil engineering	3rd
33	04-03-2021	Saurabh bhatia	saurabhbhatia404@gmail.com	9459239722	Civil	6th
34	04-03-2021	Sneha chandel	Snehachandel30@gmail.com	78766636e0	Civil engg	6th
35	04-03-2021	Shivam raghuvanshi	skraghuvanshi190505@gmail.com	8219898940	Civil Engineering	Third
36	04-03-2021	Bodh Raj	rajbodh2001@gmail.com	8219570617	Civil engineering	3rd
37	04-03-2021	Monika kumari	Monikak1731999@gmail.com	8544708487	Civil	6
38	04-03-2021	Rishi kumar	rk1998rishi@gmail.com	8219056270	Civil	6

Dr. Abhishek Memorial Institute of Engineering & Technology

39	04-03-2021	Lalit Kumar	lalitchauhan1257@gmail.com	831983	Civil Engineering	6th
40	04-03-2021	Abhishek	gorslabhishek0007@gmail.com	7018354752	Civil	6
41	04-03-2021	Manish Sharma	Man037118@gmail.com	7807078519	Civil Engineering	6
42	04-03-2021	Vinay Kumar	vk077100@gmail.com	8219174072	Civil engineering	3rd
43	04-03-2021	Bhupender negi	rastademonegi@gmail.com	7018183662	Civil	6th
44	04-03-2021	Maneesha Thakur	MANEESHATHAKUR619@GMAIL.COM	8219647273	Civil	8th
45	04-03-2021	vipin thakur	vipinthakur1305@gmail.com	827 8841187	civil	3rd
46	04-03-2021	Pankaj thakur	Panku9256@gmail.com	7986836860	Civil	8
47	04-03-2021	Rinku	rinksanju1998@gmail.com	8219164717	Civil engineering	8th
48	04-03-2021	Sakshi Guleria	sakshitramiet117021@gmail.com	7973501288	Civil Engineering	8th
49	04-03-2021	Rahul Thakur	rt121774@gmail.com	8219011356	Civil	8th
50	04-03-2021	Anil kumar	akanilkumar521997@gmail.com	7018091568	Civil	8th
51	05-03-2021	Ayush Choudhary	Akchoudhary0296@gmail.com	9816662381	Civil Engineering	8
52	05-03-2021	Pankaj kumar	Pankajnayak 5375@gmail.com	8278825148	Civil	6th
53	05-03-2021	Chetan Sharma	Chirag.Sharma05@gmail.com	8219394959	Civil Engineering	1st
54	05-03-2021	Balwant Kumar	babluthakur2612@gmail.com	9805719002	Civil engineering	3rd
55	05-03-2021	Yashika Sharma	yashusharmavashishth609@gmail.com	8219174164	Civil	6
56	05-03-2021	Rahul Bhardwaj	rb70262@gmail.com	8679154036	Civil	6
57	05-03-2021	Shubham	eptichubham9795@gmail.com	8626829785	Civil	6th
58	05-03-2021	Gagan kumar	gk1352001@gmail.com	8219805762	Civil engg.	6
59	05-03-2021	Vishal Verma	v20.10120@gmail.com	8580660581	Civil engineering	6
60	05-03-2021	Ankit kumar	ankit61409@gmail.com	9418261409	Civil engg.	6th
61	05-03-2021	Nikhil kumar	Dhimannikhil137@gmail.com	7876554018	Civil	3
62	05-03-2021	Anuj chauhan	rajputanuj672@gmail.com	7018668047	Civil	3
63	05-03-2021	Nitish Kumar Naik	shivocnitish@gmail.com	9805930747	Civil	3
64	05-03-2021	Nikhil	nikhilrana6344@gmail.com	7876062500	Civil	3rd
65	05-03-2021	Tamanna	tamannakashyap.hp@gmail	8580526603	Civil	3rd
66	05-03-2021	Neelam	neelam10dec2002@gmail.com	8219463384	Civil Engg.	3rd sem
67	05-03-2021	Yashika	yashikaarya2002@gmail.com	8628944891	Civil engineering	3
68	05-03-2021	Kunal Sharma	kunalsinghrathore5678@gmail.com	8219158057	CIVIL ENGINEERING	3rd
69	05-03-2021	Yogesh Sharma	Yp0221657@gmail.com	7018891809	Civil	3rd
70	05-03-2021	Bhubneshwar thakur	Ajuthakursajwariya@gmail.com	8580410938	Civil	3
71	06-03-2021	Anshul Didwal	anshuldidwal@gmail.com	9418870474	Civil Engineering	3rd

Handwritten signature/initials

of Engineering & Technology
Tanda P.O. Bhi...



Himachal Pradesh Technical University

(A State Government University)

Camp Office: Gandhi Chowk, Hamirpur (H.P.) - 177001

Phone : (01972) 224153, Fax: (01972) 224150.

E-mail ID: deanplanninghptu@gmail.com website: www.himtu.ac.in

No. HimTu-3(Acad)M-FDP/2019- 4250-1

Dated: - 01/03/2021

To

The Director

T.R. Abhilash Memorial Institute of Engineering & Technology
Mandi

Subject: Permission for conducting Expert Lecture on "Solar Thermal Technologies: Its status and opportunities" under TEQIP -III Project.

Sir,

With reference to your office letter No. TRAMIET/TANDA/2020-21/1962, dated 26-02-2021 on subject cited above, it is informed that the proposal /request submitted by you for conducting Expert Lecture on "Solar Thermal Technologies: Its status and opportunities" under TEQIP -III norms has been approved.

Above is for your information and necessary action please.

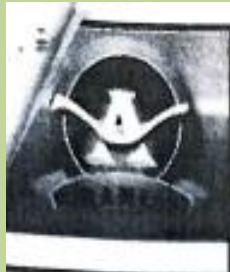

TEQIP-III Coordinator

Encls: as above - 4250-1

Copy forwarded to:-

1. P.S to Vice-Chancellor, Himachal Pradesh Technical University for information please.
2. P.A. to Registrar, Himachal Pradesh Technical University for information please.


TEQIP-III Coordinator



T.R.ABHILASHI MEMORIAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tanda, P.O.-Balt (Ner Chowk), Distt-Mandi H.P. -175008

Approved by:AICTE & affiliated to H.P.U, Shimla-05/HPTU, Hamirpur

Date: 04/03/2021

To

Dr. Ruhit Jyoti Konwar

HOD

Department of Renewable Energy,

Akal College of Engineering & Technology.

Baru sahib.

Contact: ruhit82@gmail.com

Sir,

As per HPTU guidelines and HPTU TEQIP III calendar for guest and expert lecture for engineering students, your good being very appropriate for Expert lecture for our institute. We believe that you're in the field of Renewable Energy can help our pupils to nurture their expertise in the field of electrical Engineering. We are exceptionally grateful to find you as guest lecturer to our students.

Please send us confirmation letter as the activity is scheduled on 05/03/2021 through online mode on "Solar Thermal Technologies: Its status and opportunities". We will schedule the Google meeting with timing and let you know by today itself

Honorarium and TA/DA will be paid as per Human Resource Development Guidelines vide latter F.NO. 16-26/2017 -TS.VII (Enclosed)

Please feel free to contact us for any further information.

Thanking you.

Er. Pankaj Verma

HOD Electrical /TEQIP III Coordinator

TR Abhilashi Memorial Institute of Engineering and Technology

TANDA Mandi (H.P)

Contact: 8580460830

e-mail: pankajv.elect@nitttrchd.ac.in



Himachal Pradesh Technical University

(A State Government University)

Camp Office: Gandhi Chowk, Hamirpur (H.P.) - 177001

Phone : (01972) 224153, Fax: (01972) 224150.

E-mail ID: deanplanninghptu@gmail.com website: www.himtu.ac.in

No. HimTu-3(Acad)M-FDP/2019-4250-1

Dated: - 01/03/2021

To

The Director
T.R. Abhilashi Memorial Institute of Engineering & Technology
Mandi

Subject: Permission for conducting Expert Lecture on "Solar Thermal Technologies: Its status and opportunities" under TEQIP -III Project.

Sir,

With reference to your office letter No. TRAMIET/TANDA/2020-21/1962, dated 26-02-2021 on subject cited above, it is informed that the proposal /request submitted by you for conducting Expert Lecture on "Solar Thermal Technologies: Its status and opportunities" under TEQIP -III norms has been approved.

Above is for your information and necessary action please.


TEQIP-III Coordinator

Encls: as above - 4250-1

Copy forwarded to:-

1. P.S to Vice-Chancellor, Himachal Pradesh Technical University for information please.
2. P.A. to Registrar, Himachal Pradesh Technical University for information please.


TEQIP-III Coordinator



T.R.ABHILASHI MEMORIAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tanda, P.O.-Balt (Ner Chowk), Distt-Mandi H.P. -175008

Approved by:AICTE & affiliated to H.P.U, Shimla-05/HPTU, Hamirpur

Date: 04/03/2021

To

Dr. Ruhit Jyoti Konwar

HOD

Department of Renewable Energy,

Akal College of Engineering & Technology.

Baru sahib.

Contact: ruhith82@gmail.com

Sir,

As per HPTU guidelines and HPTU TEQIP III calendar for guest and expert lecture for engineering students, your good being very appropriate for Expert lecture for our institute. We believe that you're in the field of Renewable Energy can help our pupils to nurture their expertise in the field of electrical Engineering. We are exceptionally grateful to find you as guest lecturer to our students.

Please send us confirmation letter as the activity is scheduled on 05/03/2021 through online mode on **"Solar Thermal Technologies: Its status and opportunities"**. We will schedule the Google meeting with timing and let you know by today itself

Honorarium and TA/DA will be paid as per Human Resource Development Guidelines vide letter F.NO. 16-26/2017 -TS.VII (Enclosed)

Please feel free to contact us for any further information.

Thanking you.

Er. Pankaj Verma

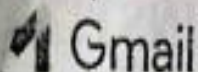
HOD Electrical /TEQIP III Coordinator

TR Abhilashi Memorial Institute of Engineering and Technology

TANDA Mandi (H.P)

Contact: 8580460830

e-mail: pankajv.elect@nitttrchd.ac.in



TRAMIET ABHILASHI <abhilashitramiet@gmail.com>

Regarding guest lecture on dated 05/03/2021

Dr. Ruhit Jyoti Konwar <ruhit82@gmail.com>

Thu, Mar 4, 2021 at 3:32

To: TRAMIET ABHILASHI <abhilashitramiet@gmail.com>

Dear Sir,

It is my great pleasure to accept your invitation to deliver a guest lecture on "Solar Thermal Technologies: Its status and opportunities" at your esteemed institution through online mode. I hereby confirm my participation as per the scheduled date and time. Additionally, I would like to inform you that very recently I joined Mahatma Gandhi University, Meghalaya after duly released from Department of Renewable Energy, Akal College of Engineering and Technology, Eternal University Baru Sahib.

Thanks and Regards

Dr Ruhit Jyoti Konwar

Dr. Ruhit Jyoti Konwar (Ph.D IIT Guwahati)

Contact No. +91-6000746839


Alternate Email: ruhit@alumni.iitg.ac.in, ruhit82@gmail.com

<https://www.scopus.com/authid/detail.uri?authorid=55652114500>

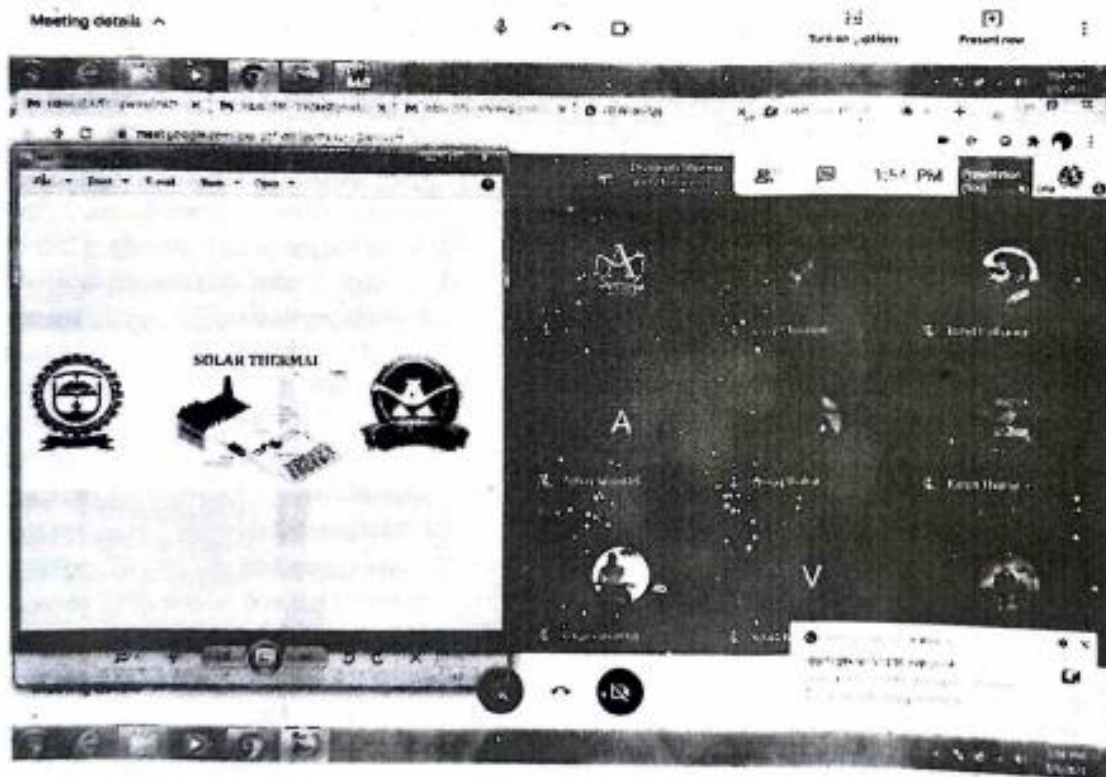
<https://scholar.google.co.in/citations?user=HCR1qPEAAAAJ&hl=en>

[Orcid.org/0000-0001-9765-3320](https://orcid.org/0000-0001-9765-3320)

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 **TEQIP TA FORM, Dr Ruhit Jyoti Konwar.docx**

24K



Prof

TEDIP-3 Coordinator

G. S.
Director

T.R. Abhilashi Memorial Institute
of Engineering & Technology,
Tanda, P.O. Box 115, Tanda H.P.

Participants

Email Address	Name	E-Mail ID	Mobile Number
rohitpathania383@gmail.co	Rohit Kumar	rohitpathania383@gmail.co	8219671924
rajtvarma182000@gmail.c	Rajat Verma	rajtvarma182000@gmail.c	8580554583
banidevi7@gmail.com	Bani Devi	banidevi7@gmail.com	7018173107
tchirag104@gmail.com	Chirag thakur	tchirag104@gmail.com	9816343946
vikasmuthyan57393@gma	Vikas Muthyan	vikasmuthyan57393@gma	8219174600
rohitsharma37509@gmail.	Rohit Sharma	rohitsharma37509@gmail.	9857766949
errajhimechal@gmail.com	Raj mal	errajhimechal@gmail.com	7018298330
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vikrant4363@gmail.com	Vikrant Thakur	vikrant4363@gmail.com	08580581436
abhishek123.as81@gmail.	Abhishek	abhishek123.as81@gmail.	9625781504
thakurbhanu78071@gmail	Shubhanshu Thakur	thakurbhanu78071@gmail	7807144201
gagansharma.gs00@gmai	Gagen Kumar	gagansharma.gs00@gmai	9816362100
lonman7777777@gmail.cc	Tanish Kashyap	lonman7777777@gmail.cc	08219325640
gagansharma.gs00@gmai	Gagen Kumar	gagansharma.gs00@gmai	9816362100
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[Signature]
TEAIP-II

[Signature]
National Institute
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 FEDIP-ID
 Coordinator

Director
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 Director
 T.R. Abhilashi Memorial Instit.
 of Engineering & Technology
 Tanda, P.O. Balt, Distt. Mandi



**T.R. ABHILASHI MEMORIAL INSTITUTE
OF ENGINEERING & TECHNOLOGY**

Tanda, P.O.-Balt (Ner Chowk), Distt-Mandi H.P. -175008

Approved by: AICTE & affiliated to HPTU, Hamirpur / HPTSB Dharamshala

Contact: 94180-06520, 94180-56520, website: www.tramiet.in

Email: abhilashigroup@gmail.com

Ref. No. TRAMIET/Tanda/2019-20/-1835

Date:14/10/2019

To

The Dean (Engineering)-Cum-TEQIP-III Co-ordinator,
Himachal Pradesh Technical University,
Hamirpur (HP).

Subject: Regarding two days workshop on "Solar PV System Training" under TEQIP-III at T.R. Abhilashi Memorial Institute of Engineering & Technology, Tanda, Nerchowk, Distt-Mandi (H.P).

Sir

As per the discussion held in meeting with Hon'ble Vice Chancellor of HPTU, Hamirpur on dated 10-10-2019. This institute is going to organizing two days workshop on "Solar PV System Training" at T.R. Abhilashi Memorial Institute of Engineering and Technology, Tanda, Mandi, H.P. on 21st & 22nd October 2019.

The proposal and expenditure detail is as below:-

S.NO.	Expenditure description	No of students(30-40)
1	Workshop service cost (Number of trainers-2)	20000
2	Consumable material	5000
3	Flex printing	1000
4	Stationary	2000
5	Refreshment	4000
6	Lunch	6000
	Total (Approx)	38000

Note: TA/DA will be paid as per TEQIP-III norms.

So you are requested to permit and grant the fund in advance so that workshop may be conducted.

Director
T.R. Abhilashi Memorial Institute
of Engineering & Technology,
Tanda, P.O. Balt Distt. Mandi H.P.



**T.R. ABHILASHI MEMORIAL INSTITUTE
OF ENGINEERING & TECHNOLOGY**

Tanda, P.O.-Balt (Ner Chowk), Distt-Mandi H.P. -175008

Approved by: AICTE & affiliated to HPTU, Hamirpur / HPTSB Dharamshala

Contact: 94180-06520, 94180-56520, website: www.tramiet.in

Email: abhilashigroup@gmail.com

Ref. No. TRAMIET/Tanda/2019-20/- 1835

Date: 14/10/2019

To

The Dean (Engineering)-Cum-TEQIP-III Co-ordinator,
Himachal Pradesh Technical University,
Hamirpur (HP).

Subject: Regarding two days workshop on "Solar PV System Training" under TEQIP-III at T.R. Abhilashi Memorial Institute of Engineering & Technology, Tanda, Nerchowk, Distt-Mandi (H.P).

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	Total (Approx)	38000

Note: TA/DA will be paid as per TEQIP-III norms.

So you are requested to permit and grant the fund in advance so that workshop may be conducted.

Director
T.R. Abhilashi Memorial Institute
of Engineering & Technology,
Tanda, P.O Balt Distt. Mandi H.P.



**T.R. ABHILASHI MEMORIAL INSTITUTE
OF ENGINEERING & TECHNOLOGY**

Tanda, P.O.-Balt (Ner Chowk), Distt-Mandi H.P. -175008

Approved by: AICTE & affiliated to HPTU, Hamirpur / HPTSB Dharamshala

Contact: 94180-06520, 94180-56520, website: www.tramiet.in

Email: abhilashigroup@gmail.com

Ref. No. TRAMIET/Tanda/2019-20/- 1837

Date: 19/10/2019

To

The Dean (Engineering)-Cum-TEQIP-III Co-ordinator,
Himachal Pradesh Technical University,
Hamirpur (HP).

Subject: Regarding two days workshop on "Solar PV System Training" under TEQIP-III at T.R. Abhilashi Memorial Institute of Engineering & Technology, Tanda, Nerchowk, Distt-Mandi (H.P).

Sir

This is in reference to your e mail from your end on dated October 18, 2019 and as per the discussion held in meeting with Hon'ble Vice Chancellor of HPTU, Hamirpur on dated 10-10-2019. This institute is going to organizing two days workshop on "Solar PV System Training" at T.R. Abhilashi Memorial Institute of Engineering and Technology, Tanda, Mandi, H.P. on 21st & 22nd October 2019.

The proposal and expenditure detail is as below:-


S.NO.	Expenditure description	No of students(30-40)	
1	Honorarium for Workshop expert(Trainer) 2days	5000*2=10000	According to norm of Payment of Honorarium for company expert 5000/day
2	Travelling, boarding and lodging for outside expert allowance	Taxi fair from Chandigarh(24/km) According to F.NO.16-26/2017-TS.VII guidelines for TA/DA of Faculty and Staff for TEQIP-III activities and honorarium for experts for lecture and attending meeting.	
3	Hospitality of participants	According to permissible activities NO. 2.2(B)	
4	Venue and logistic arrangement		

Note: TA/DA will be paid as per TEQIP-III norms.

So you are requested to permit to organize the workshop and allocation the funds as per above requirement.

Copy To:

1. TEQIP-III Co-ordinator.
2. EAP Co-ordinator.


Director 19/10/2019
T.R. Abhilashi Memorial Institute
of Engineering & Technology,
Tanda, P.O Balt, Distt. Mandi H.P

Workshop-BILL - To HPTU Through - Registered post



Himachal Pradesh Technical University

(A State Government University)

Camp Office: Gandhi Chowk, Hamirpur (H.P.) - 177001

Phone : (01972) 224153, Fax: (01972) 224150,

E-mail ID: deanmgmthptu@gmail.com website: www.himtu.ac.in

No.HimTu-3(Acad)M-~~NP~~2019- 1002

Dated:11-11-2019

To

The Director,
T.R. Abhilashi Memorial Institute of Engg. & Tech.,
Tanda, Distt. Mandi-175008(H.P.).

Subject: Regarding One day workshop on "Solar PV System Training" under TEQIP-III at T.R. Abhilashi Memorial Institute of Engineering & Technology, Tanda, Nerchowk, Distt. Mandi (H.P.).

Sir/Madam,

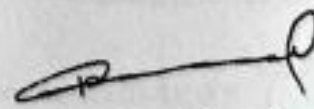
With reference to your office letter No. TRAMIET/Tanda/2019-20/1845 dated 04th Nov, 2019 on the subject cited above, you are informed that University has approved your proposed activities. You are further requested to submit the detail of the expenditure after the completion of the activity alongwith the original bills.

You are further requested to make sure that all the expenditures incurred on the above said activities will be as per TEQIP-III norms and guidelines. The permissible and non-permissible expenditure is enclosed as per (Annexure-I) and the TA/DA & honorarium guidelines is enclosed as per (Annexure-II).


(TEQIP-III Coordinator)

Encl. as above
Endst. Evn. Jo.
Copy forwarded to:

1. The Nodal Officer (Finance) of the TEQIP-III for information please.
2. P.S. to Vice Chancellor, HP Technical University for information please.
3. P.A. to Registrar, HP Technical University for information please.
4. Guard file.


(TEQIP-III Coordinator)



T.R.ABHILASHI MEMORIAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tanda, P.O.-Balt (Ner Chowk), Distt-Mandi H.P. -175008

Approved by: AICTE & affiliated to H.P.U, Shimla-05/HPTU, Hamirpur

Contact: 94180-06520, 94180-56520 www.tramlet.in, Email: abhilashigroup@gmail.com

Certificate

This is to certify that Enovate Skill Chandigarh (A NITTTR Start Up Company) has conducted One Day Work Shop On "**Solar PV Technologies**" in TR Abhilashi Memorial Institute of Engineering and Technology, Tanda, Mandi, on dated 11/11/2019. Mr. Pankaj Verma HOD/TEQIP-III Co-ordinator has facilitated the activity from College Side.

Name... Ajay Gaudara

Organization... Enovate Skill Chandigarh

Signature... [Signature]

B.K. Senkan
Director
T.R. Abhilashi Memorial Institute
of Engineering & Technology,
Tanda, P.O. Balt, Distt. Mandi H.P.



T.R. ABHILASHI MEMORIAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tanda, P.O. - Balt (Ner Chowk), Distt-Mandi H.P. - 175008

Approved by AICTE & affiliated to H.P.U., Shimla-05/HPTU, Hamirpur
Contact: 94180-06520, 94180-56520, 98823-05209, www.tramiet.in

Certificate


This is to certify that Allsoft Solutions, Business Partner IBM, has conducted one day seminar on technology "Internet of Things" in collaboration with Department of Electrical and Computer Science Engineering at TR Abhilashi Memorial Institute of Engineering and Technology Tanda Distt. Mandi H.P. Er. Pankaj Verma HOD Electrical Engineering /TPO TRAMIET, organized above activity successfully.

Resource Persons 1.

Name... Ishan Vaid...

Designation... Trainer & Developer

Contact No... 9682588655



Authorized Signature

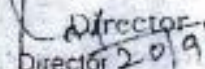
Resource Persons 2.

Name... Aman Bakshi...

Designation... Asst. Manager. operations

Contact No... 8557070201...


Authorized Signature


Director
20/9/20
T. R. Abhilashi Memorial
Institute of Engg. & Tech
Tanda, P.O. Balt, Distt. Mandi

Director
T. R. Abhilashi Memorial
Institute of Engg. & Tech.
Tanda, P.O. Balt, Distt. Mandi (H.P.)



**A
Seminar
on
“Electoral literacy”
Organized by IQAC TRAMIET & Election Commission
On
19/04/2022
At
Multipurpose Hall
T.R.ABHILASHI MEMORIAL INSTITUTE OF ENGINEERING &
TECHNOLOGY**



Himachal Pradesh Technical University

(A State Government University)

Camp Office: Gandhi Chowk, Hamirpur (H.P.) - 177001

Phone : (01972) 224153, Fax: (01972) 224150.

E-mail ID deanplanninghptu@gmail.com website: www.himtu.ac.in

No. HimTu-3(Acad)M-FDP/2019 - 4250

Dated: - 01/03/2021

To

The Director
T.R. Abhilashi Memorial Institute of Engineering & Technology
Mandi

Subject: Permission for conducting guest Lecture on "Startup" under TEQIP -III Project.

Sir,

With reference to your office letter No. TRAMIET/TANDA/2020-21/1960, dated 26-02-2021 on subject cited above, it is informed that the proposal /request submitted by you for conducting guest Lecture on "Startup" under TEQIP -III norms has been approved.


Above is for your information and necessary action please.


TEQIP-III Coordinator

Encls: as above - 4250

Copy forwarded to:-

1. P.S to Vice-Chancellor, Himachal Pradesh Technical University for information please.
2. P.A. to Registrar, Himachal Pradesh Technical University for information please.


TEQIP-III Coordinator



T.R.ABHILASHI MEMORIAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tanda, P.O.-Balt (Ner Chowk), Distt-Mandi H.P. -175008

Approved by:AICTE & affiliated to H.P.U, Shimla-05/HPTU, Hamirpur

Date:04/03/2021

To

**Mr. Ajay Godara
CEO
Enovate Lab
NITTTR Chandigarh
Sector,26 Chandigarh-160019**

Dear Sir,

As per HPTU guidelines and HPTU TEQIP III calendar for guest and expert lecture for engineering students, we find your good self as appropriate for Expert lecture in our institute. We believe that you're in the field of startup can help our pupils to nurture their expertise. We are exceptionally grateful to find you as guest lecturer to our students.

Please send us confirmation letter as the activity is scheduled on 05/03/2021 through online mode on "Startup". We will schedule the Google meeting with timing and let you know by today.

Honorarium and TA/DA will be paid as per Human Resource Development Guidelines vide letter F.NO. 16-26/2017 -TS.VII (Enclosed)

Please feel free to contact us for any further information.

Thanking you.

**Er. Pankaj Verma
HOD Electrical /TEQIP III Coordinator
TR Abhilashi Memorial Institute of Engineering and Technology
TANDA Mandi (H.P)
Contact: 8580460830
e-mail: pankajv.elect@nitttrchd.ac.in**



AWARENESS DRIVE AN IDEA FOR INNOVATION AND STRTUP

at

**TRAbhilashi Memorial Institute of
Engineering and Technology Tanda Mandi
H.P**

(under TEQIP-III HPTU)

BY

Ennovate lab LLP

A sucessfull statrtup of NITTTR Chandigarh



Mr. Ajay Godara,
Founder & CEO, Ennovate Skill,
Mentor of change (NITI Ayog G.O.L),
NITTTR,
Chandigarh.

www.tramiet.in

Gmail - Regarding guest lecture on dated 05/03/2021

 Gmail

TRAMIET ABHILASHI <abhilashitramiet@gmail.com>

Regarding guest lecture on dated 05/03/2021

AJAY GODARA <ajaygodara12@gmail.com>

To: TRAMIET ABHILASHI <abhilashitramiet@gmail.com>

Thu, Mar 4, 2021 at 1:53 PM

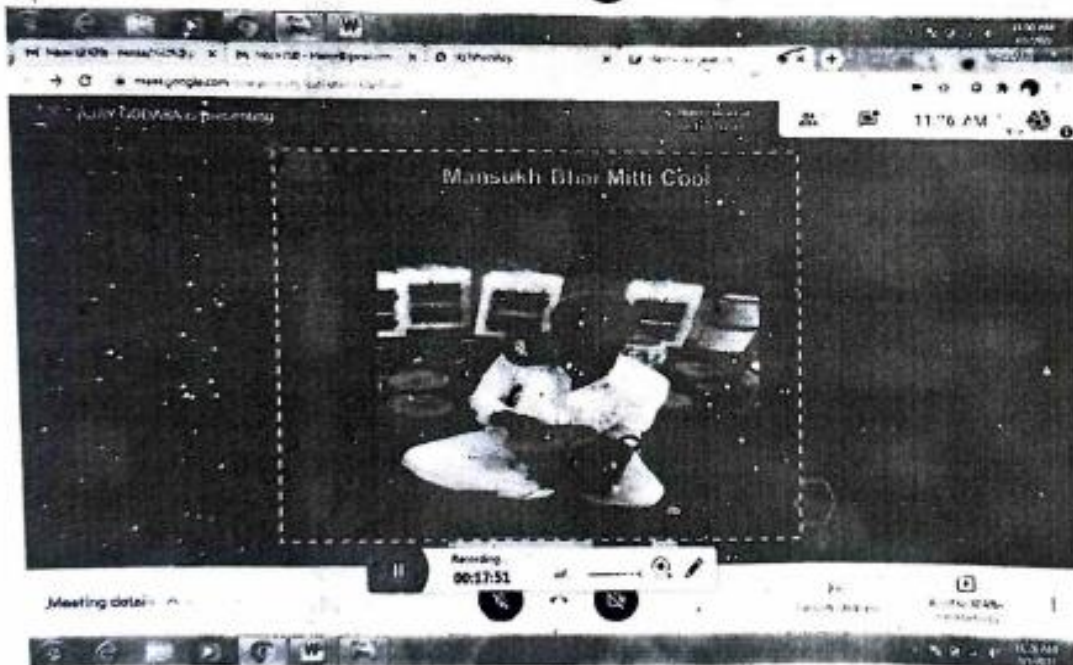
Thanks for invitation. I will be there on time via online mode
(Quoted text hidden)



cc


Director

T.R. Abhilashi Memorial Institute
of Engineering & Technology,
Tanda, P.O. Balt, Distt. Mandi H.P.



[Handwritten signature]

[Handwritten signature]
 Director
 T.R. Abhilash Memorial Institute
 of Engineering & Technology,
 Tanda, P.O. Balt, Distt. Mandi H.P.

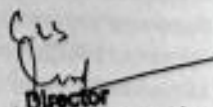
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 chaudharyrohit897@gmail 7018172003

Director
 T.R. Abhilashi Memorial Institute
 of Engineering & Technology,

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EE		518027
EE		517020
Electrical engineering		518019
Electrical engineering		518037
Electrical Engineering		517019
Electrical engineering	18bt140510	
E E		518033
E.E		518021
Mech engg.	18BTL140202	
Mechanical engineering		417008
Mechanical engineering	18bt140207	
EE		517005
Mechanical Engineering		418007
M.E	17BT140202	
EE		518012
Mechanical engineering	17BT140207	
EE		518012
Mechanical	17bt140206	
EE		518001
Mechanical	17BT080202	
Mechanical Engineering	18bt140204	
Electrical		518007
Electrical engineering		518017
Electrical		518018
Mechanical engineering		1
Mechanical engineering	18BTL140205	
E.E.		518002
Mechanical Engg.	18BTL140203	
M.E	17BT140202	
M.E	17BT140202	
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Electrical engineering		517011
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Civil		1909012011
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Item No.	particulars																		
3.2.1	<p><i>Number of papers published per teacher in the Journals notified on UGC website during the last five years</i></p> <p>3.2.1.1: Number of research papers published in the Journals as notified on UGC website during the last five years</p> <p>Response: yes</p> <table><tr><td>Year</td><td>2024-2023</td><td>2023-2022</td><td>2022-2021</td><td>2021-2020</td><td>2020-2019</td></tr><tr><td>Number</td><td>4</td><td>4</td><td>8</td><td>9</td><td>1</td></tr></table> <p>Number of research papers published in the Journals as notified on UGC website during the last five years</p> <p>-----×100</p> <p>Average number of full time teachers during the last five years</p> <p>24 ----- * 100 = 66.66 36</p> <table><tr><td>File Description</td><td>Document</td></tr><tr><td>Additional information</td><td></td></tr><tr><td>List of research papers by title, author, department, name of journal and year of publication (Data Template)</td><td>Attached</td></tr></table>	Year	2024-2023	2023-2022	2022-2021	2021-2020	2020-2019	Number	4	4	8	9	1	File Description	Document	Additional information		List of research papers by title, author, department, name of journal and year of publication (Data Template)	Attached
Year	2024-2023	2023-2022	2022-2021	2021-2020	2020-2019														
Number	4	4	8	9	1														
File Description	Document																		
Additional information																			
List of research papers by title, author, department, name of journal and year of publication (Data Template)	Attached																		

3.2.1

S.NO.	TITLE	YEAR OF PUBLICATION
1	Forest Fire Mitigation By Social Economic Development of Local Communities Using Pine Needle As Potential Fuel	2024
2	Data Mining Technology Based on Machine Learning Algorithm	2021
3	Design and Development of Solar Electric Charging Station For Green Vehicle	2020
4	Condition Monitoring of Induction Motor Using Internet of Things	
5	Speech Synthesis and Interactive Agent Framework	2021
6	Exploration of Material Used To Design Airfoil The Vertical Axis Wind Turbine	2020
7	Analysis of Vertical Axis Turbine With The Flow Around Airfoil By Finite Element Method	2020
8	Biomass : Recycled Energy Source	2020
9	Application And Future Trends Of Carbon Fiber Reinforced Polymer Composites: A Review	2020
10	Tribological Study Of Mechanically Milled Graphite Nanoparticles Codeposited In Electroless Ni-P Coatings	2020
11	Pine Needles Biomass – A Potential Fuel	2020
12	Analysis Of New Indian Educational Policy Towards Achieving Atmanirbhar Bharat	2021
13	Analysis Of Failure Of Transfer Film By Using Pin On Disc Apparatus	2021
14	Multi Dimensional Meaning Annotation In Synthesis Of Listener Vocalization	2021
15	Projection Of Women In Naipaul's Indian Travelogues	2022
16	The English Language's Journey For India's Sustainable Growth	2024
17	Post Colonialism In Naipaul's Novel A House For Mr. Bishwas	2023
18	Indian Dramatic Theory And Western Dramatic Theory : A Contrastive Study	2023
19	Partition Wounded Women Physically And Mentally : A Feminist Perspective	2023
20	Application Of Wavelet Analysis In Condition Monitoring Of Induction Motor's	2021
21	Design And Analysis Of Interior PMSM For Low Power EV Applications In Hill Terrain.	2022
22	Fractal Model To Interpret Porosity – Dependent Hydraulic Properties For Unsaturated Soil	2023
23	Big Data Analysis For Cyber Security Using Deep Cleaning	2022
24	High Voltage Testing Of Transformer Oil	2022

Forest fire mitigation by social economic development of local communities using pine needle as potential fuel

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Abstract: Presently around the globe, bush fire is becoming a severe problem for the forest and its ecology. Countries like Australia has faced major bush fire accidents in the beginning of 2020, in which estimated 18.6 million hectare area has been effected causing damage to 5,600 homes beside the tree lines and destroyed forest cover which requires decades to heal. One of the major causes of these bush fire accidents is biomass present on the floor of the forest. To prevent forests from fire caused by dry pine needles, dry leaves and all the waste products of trees need to be removed from the forest floor. The study has been taken to investigate a possibility to develop an environment in which local communities utilise produced biomass as an instrument of livelihood by converting it into a suitable product through waste to energy route.

Keywords: biomass; pine needle; forest fire; briquette; ecology.

Reference to this paper should be made as follows: Verma, P., Sharma, K., Mahajan, A. and Sharma, R. (XXXX) 'Forest fire mitigation by social economic development of local communities using pine needle as potential fuel', *Int. J. Environment and Waste Management*, Vol. X, No. Y, pp. XXX-XXX.

Data Mining Technology Based on Machine Learning Algorithm

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ABSTRACT

Our innovation Data Mining Technology Based on Machine Learning Algorithm is a homegrown society has gained extraordinary headway and different advancements and ideas have been applied and grown persistently. The development is a Machine learning calculation is a clever calculation which assumes an extraordinary part in varying backgrounds and a Machine learning is a course of personal growth utilizing the actual framework and ML-based PC projects can consequently further develop execution with the amassing of involvement. The innovation is a PC can separate components from numerous information and find multi-facets stowed away guidelines so AI has been broadly utilized in information mining and the utilization of AI calculation in information mining is concentrated exhaustively. The outside terminal of GSM network is situated successfully and a three-stage situating calculation is proposed which enormously advances the situating pace and precision. The development is a Data mining has been broadly utilized in the business field and AI can perform information investigation and example revelation consequently assuming a key part in information mining application.

Keywords: Data Mining, Machine Learning, Algorithm, domestic society, novel, self-improvement, discover multi-layers, three-stage positioning.

BACKGROUND

AI and applied science recipe are 2 normal information preparing calculations. the essential is to utilize figuring innovation to precisely see the ideal themes and boundaries once instructing and learning a few example sets. The second is to utilize discriminant and chance investigation, bunch and relationship examination to hold out tasks. Entirely unexpected calculations even have distinctive relating objectives and regions. These calculations will be independent. they will be joined with each other for their own utilization. Counterfeit neural organization strategy in AI recipe includes a major choice of utilizations. incorporates a keen capacity to influence data and self-coordinating intellectual ability, but can likewise precisely build up, that is contributory to the grouping of drawback preparing.

Displaying will be acclimated work. Models are a great deal of various, and totally various longings will be met. From the universally useful of read, the model of this procedure has higher exactitude, higher strength, and more grounded engaging capacity. It doesn't might want the help of experts for application, but conjointly has a few deficiencies. it's important to mentor data. longer is spent, information isn't horribly clever to handle, and there are restrictions of quantifiability and

Design And Development of Solar Electric Charging Station For Green Vehicle

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Abstract. This paper presented a model of charging station by using battery and solar PV as source of energy is designed to reduce the toxic emissions and improve fuel economy. The three current methods of charging an electric vehicle include 120 volt, 240 volt and 480 volt systems. In this, 240V charging method (Level 2) is used which can easily charge a typical EV battery overnight. Batteries are charged through charging level 2 (230V AC supply) and through solar panel (DC supply) by using an auto electro switching technique. This paper represents a method of charging and discharging the battery by using electronic control circuit based on the minimum and maximum voltage battery level.

Keywords. Photovoltaic cell, solar electric charging station, charging levels, lead acid batteries.

I. INTRODUCTION

It is estimated that current global petroleum resources could be used up within 50 years if they are consumed at present consumption rates. There has been an increasing penetration of Plug-in Hybrid and pure Electric Vehicles (PHEV/EV) over the last few years due to developments in battery technology that have dramatically increased their range advances in charging technologies that have reduced charging times, incentives that have lowered the acquisition and operation costs, and an overall desire to lower emission. Battery becomes a must choice because it can provide immediate power when needed. Among the battery family, lead-acid battery becomes a popular choice because it came in variety of output voltage and can be recharge. Although the lead-acid can be recharge, problems still occur when recharging the battery. The battery tends to undergo overcharge if there is no control mechanism to stop the charging. As a renewable and clean energy, photovoltaic (PV) energy can be produced anywhere, including the urban areas for EV applications. Thus, the direct integration of PV with EV charging infrastructure is a possible way to effectively improve the emission reduction of EVs and reduce the dependence on the power grid. On one hand, the intermittency of PV generation can be relieved by the integration of the energy storage system and EVs. On the other hand, PV

generation could help EVs reduce the dependence on the power grid.

II. CHARGING LEVELS

Table.1 shows the different charging levels (or chargers) for charging the batteries of electric vehicles.

Table.1 EVs Charging Levels

Level	Voltage (V)	Ampere (A)	Charging Time (Hour)
Level I Charger	120	15	10-15
Level II Charger	208/240	30	6-8
Level III Charger	208/600, 3 phase	400	15 minutes

III. LEAD ACID BATTERY

In this paper solar electric charging station is used for charging the eight lead acid batteries for green vehicle. Single battery capacity is 12V, 100AH and these eight batteries are connected in series and in parallel then it gives 48V, 200AH as output which is shown in Fig.1.



Fig.1 Lead Acid Batteries

After selection of battery type, calculations for battery bank specifications were performed. For calculating battery bank specifications following parameters maximum speed of vehicle, distance to cover in one charge was required.

Condition Monitoring of Induction Motor Using Internet of Things (IoT)



Anurag Choudhary, Shefali Jamwal, Deepam Goyal, Rajeev Kumar Dang and Shankar Sehgal

Abstract In the era of globalization, manufacturing industries are facing intense pressure to prevent unexpected breakdowns, reduce maintenance cost and increase plant availability. Due to increasing trend of Internet of things (IoT), numerous sensors deployed around the world are developing at a rapid pace. In this paper, an IoT-based wireless control and monitoring system has been presented for determining the health of induction motor (IM). A module of sensors has been employed to monitor the different parameters, viz. current, voltage, temperature, and speed which were processed using microcontroller for analysis and display purposes. Further, the Ethernet module has been used for sending the information from the microcontroller to cloud (Cayenne) database for wireless remote monitoring and controlling of induction motor. The system has been implemented to monitor and control various parameters in real time, and also improving the detectability of different faults due to over limiting of the current, voltage, temperature, and speed values. The proposed system has significant potential in industrial environment with complex systems to economically monitor the condition of machine safely in real time.

Keywords Condition monitoring (CM) · Internet of things (IoT) · Induction motor (IM)

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Speech Synthesis and Interactive agent Framework

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Abstract: Generation of listener vocalizations is one of the major objectives of *emotionally coloured* conversational speech synthesis. Speech synthesis is the artificial production of human speech. A computer system used for this purpose is called a speech computer or speech synthesizer. Present day research on intelligent specialists has expanded its attention on various spoken exchange settings (ECAs) are requesting normal, unconstrained, intelligent manufactured discourse. A few late examinations are meant to arrive at such requests. This part gives some foundation data on ongoing work in enthusiastic and conversational discourse union. With an essential worry on listening conduct, we moreover talk about intelligence in a few intuitive specialists or virtual people. Albeit the current innovation met some of them like high quality perusing engineered discourse, there is quite far to make a trip to arrive at a few destinations like top notch intelligent and unconstrained manufactured discourse.

1. Introduction

Speech synthesis is artificial simulation of human speech with by a computer or other device. The counterpart of the voice recognition, speech synthesis is mostly used for translating text information into audio information and in applications such as voice-enabled services and mobile applications. Apart from this, it is also used in assistive technology for helping vision-impaired individuals in reading text content. Speech synthesis is simply a form of output where a computer or other machine reads words to you out loud in a real or simulated voice played through a loudspeaker; the technology is often called text-to-speech (TTS). Talking machines are nothing new—somewhat surprisingly, they date back to the 18th century—but computers that routinely speak to their operators are still extremely uncommon. True, we drive our cars with the help of computerized navigators, engage with computerized switchboards when we phone utility companies, and listen to computerized apologies on railroad stations when our trains are running late. But hardly any of us talk to our computers (with voice recognition) or sit around waiting for them to reply.

1.1 speech synthesis work

The initial stage in speech synthesis, which is generally called pre-processing or normalization, is all about reducing ambiguity: it's about narrowing down the many different ways you could read a piece of text into the one that's the most appropriate.

Preprocessing involves going through the text and cleaning it up so the computer makes fewer mistakes when it actually reads the words aloud. Things like numbers, dates, times, abbreviations, acronyms, and special characters (currency symbols and so on) need to be turned into words—and that's harder than it sounds. Preprocessing also has to tackle homographs, words pronounced in different ways according to what they mean. Speech synthesis is the process of converting text into a speech signal. The objective of Text-to-Speech (TTS) synthesis is to convert any arbitrary input text to intelligible and natural sounding speech so as to transmit information from a computer to a human. The unit-selection algorithms are well known for natural sounding speech synthesis. In contrast,



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Tribological study of mechanically milled graphite nanoparticles codeposited in electroless Ni-P coatings

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The present study focusses to enhance the wear resistance of electroless Ni-P coatings with the co-deposition of selflubricating nano graphite particles synthesized by mechanical milling using a high energy planetary ball mill. The coatings were developed on an aluminum substrate and nano graphite particles were co-deposited (4 g/l) into the Ni-P matrix using alkaline hypophosphite reduced electroless bath. Changes in properties after heat treatment at 220 °C for 4 h in vacuum have been correlated with morphological and microstructural changes shown by field emission scanning electron microscopy (FESEM) and X-ray diffraction (XRD) respectively. Energy dispersive analysis of X-ray (EDAX) determined the quality and elemental composition of coatings. Wear resistance, coefficient of friction (pin on disc) and microhardness of electroless Ni-P-graphite nanocomposite coatings were calculated and contrasted with Ni-P coatings. The outcomes reveal that the size of synthesized graphite nanoparticles is 20 nm. Microhardness and wear resistance of electroless coatings have improved after heat treatment. Excellent wear resistance has been observed at the cost of some hardness in Ni-P-graphite nanocomposite coatings over Ni-P coatings.

1. Introduction

Electroless nickel coating is one of the favorable surface engineering technology that is commonly used in the automotive, aviation and chemical industries due to its inherent properties like a high hardness, uniform deposition, and excellent wear and corrosion resistance etc. [1,2]. To improve the mechanical and tribological properties, various micron-sized second phase hard/soft particles have been successfully reinforced into Ni-P matrix [3–6]. The transition of deposits from amorphous to the crystalline structure during heat treatment is a function of time, temperature, heating rate and phosphorus content [9]. Recent efforts have been made to incorporate nanoparticles like TiO₂, Al₂O₃, CNTs, WC, Au and diamond etc. into Ni-P matrix to further enhance the mechanical and tribological properties [10–15]. It is well known that graphite particles have been used in many industries for the development of composite coatings due to its good self-lubricating and antisticking properties, chemical inert-

ness and low coefficient of friction. Izzard and Dennis have successfully reinforced micron-sized graphite particles into a Ni-P matrix; however, the studies on incorporation of nano-sized graphite particles into Ni-P alloy coatings are not reported in the literature [16].

In the current study, an attempt has been made to explore the self-lubricating properties of nano-sized graphite particles for improving wear resistance of electroless (EL) coatings. To develop EL Ni-P-graphite nanocomposite coatings, the embedded second phase nano-sized graphite particles were first synthesized by mechanical alloying method for 20 h and then co-deposited with Ni-P on an aluminum substrate. Further, coatings were studied for surface morphology, phase identification, microhardness and wear resistance in both as-coated and heat-treated (HT) conditions.

2. Experimental

2.1. Synthesis of nano graphite particle

Graphite nanoparticles were synthesized by the mechanical milling using a high-energy planetary ball mill (Retsch, PM

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PINE NEEDLES BIOMASS- A POTENTIAL FUEL

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ABSTRACT

India is a country having ample forest wealth contains diverse forest species. The existing plantation dominates pine trees cover in middle and lower Himalayan regions. Throughout total forest cover 7.62-million-hectare region is under pine forest. The state has identified rise in forest area by 71 % as 15100 in 2017 from 14696 in 2015. With increase in pine forest density the forest fire accidents also increases. There are different reasons count for this as the dry pine needle on the floor of the forest catches fire easily in summers and some time the local villagers set forest under fire to clean the forest floor so that grass for their cattle's can easily grow. It is found that the dry pine needles contains high volatile matter and catches fire easily. This property can make it a better fuel by suitable technological interventions. This paper establishes an approach to produce fuel from dry pine needles and use it as potential fuel.

KEYWORDS: Pine needles; Drying; Carbonisation; Binding materials;

1. INTRODUCTION

An alternative energy resource establishment is the usage of biomass pine needle as an alternative energy resource in which the pine needles subjected to pressure and produced fuel will be in the form of briquettes and pallets. The process of palletising involves densification of biomass to achieve high energy density and low moisture contents. As per study the allowed value for the moisture content is 8-12%. The other mechanical properties includes compressive strength, tensile strength, bending and many more.

Due to the carbon content present in the pine needles they can be used as a biomass by increasing the density. The biomass can either be directly utilised for making briquettes or processed to increase the carbon content of dried biomass. The general process identified is carbonisation. In this process, the material is burnt in absence of oxygen in the carbonizer. The resulted mixture is mixed with binder to make it adhesive hole and turned it into cakes. The properties of developed briquettes then be analysed with standard procedures [1]. The produced charcoal briquettes can also used as a replacement of wood and kerosene as



Analysis of New Indian Education Policy Towards Achieving Atmanirbhar Bharat

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ABSTRACT

To achieve economic and social growth, the nation must have an explicit and futuristic education policy at schools and colleges. Tradition and culture play major roles in adopting the education system for any country. Recently, the Indian Government declared a New Education Policy (NEP) based on the suggestions of an expert panel headed by the former chairman of ISRO. In this paper, new policies regarding the new education system are discussed along with their merits and future effects. Some suggestions are proposed in this paper regarding NEP 2020 for its effective implementation towards achieving its goals in the minimum possible time. In the end role of NEP 2020 towards achieving Atmanirbhar Bharat is discussed.

Keywords: Atmanirbhar Bharat, Indian National Education Policy 2020, NEP 2020, Overview, Analysis, and Implementation Strategies of NEP.

1. INTRODUCTION

India currently has about 958 (approximate) universities and about 40,500 (approximate) higher education institutions (HEIs), [1]. A multidisciplinary style of higher education is the greatest need of the country for the 21st century but about 35 % of these small-sized institutions are still running a single program [2]. 20 % of colleges are not feasible because they still have an annual enrolment of fewer than 100 students who play no contribution to quality education. Only 4% of institutions can enroll more than 3,000 students annually due to their great educational facilities [3]. The 1st NEP was announced in the year 1968 and the 2nd NEP was announced in the year 1986 [4]. The 3rd NEP was recently announced in 2020 which is having the main motive to achieve Atmanirbhar Bharat. Various factors which influence the quality of education in India are as following:

- Lack of access to higher education due to geographical location.
- Lack of innovation or research facilities in the institution, due to which they failed to attract the students.
- Poor placement facility and career counseling.
- The lack of research and innovations at most of the universities and colleges.
- Misguided leadership or lack of knowledge of management at higher education institutions.
- Corrupted regulatory system or committees, etc.

A. Objectives

The objectives of this study are as follows:

- To get an overview of the various policies of the NEP 2020.
- To compare NEP 2020 with the current education policy of India.
- To discuss the innovations in NEP 2020 this leads towards Atmanirbhar Bharat.
- To analyze the NEP 2020 implications on the Indian education system.
- To highlight the merits and future modification suggestions for NEP 2020.

B. Key Points of New Education Policy

The main aim of the 2020 national education policy is to provide a multidisciplinary liberal education and to enhance the current gross enrolment ratio to at least 50% by 2035. This new policy will help Indian society to become more sustainable, equitable, and more efficient, and knowledge full [7]. NEP 2020 is created by considering the moral values, traditions, and culture of India. India has a huge historical heritage and many scholars from our nation served the world in alchemy, mathematics, astrology, astronomy, metallurgy, medical science, engineering, shipbuilding and navigation, yoga.

Analysis of Failure of Transfer Film by Using Pin on Disc Apparatus

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ABSTRACT: Friction, wear, and lubrication are phenomena that most of peoples considering on daily base. Engineers and designers must take care about friction, wear testing load, velocity, contact area, surface finish, sliding distance, environment, the material of counter face, type of lubricant, hardness of counter face, and temperature etc. while constructing technical equipment. Usually, wear is undesirable, because it makes necessary frequent inspection and replacements of parts and also it will lead to deterioration of the accuracy of machine parts. It can induce vibrations, fatigue, and consequently failure of parts. So, it is important to calculate the wear rate at design state via developing an equipment which can be used for material testing. In this paper various materials are tested for wear rate by pin on disc apparatus at lubricated and non-lubricated conditions.

KEYWORDS: Pin on Disc Apparatus, Transfer Film, Tribology, Failure of Transfer Film, Wear Rate Calculations

I. INTRODUCTION

One of the important objectives of tribology is the regulation of the magnitude of frictional force according to whether we require a minimum or a maximum. This objective can be realized only after a fundamental understanding of the frictional process is obtained for all conditions of temperature, sliding velocity, lubrication, surface finish, and material properties. Tribology is the art of applying operational analysis to problems of great economic significance, namely, reliability, maintenance, and wear of technical equipment, ranging from spacecraft to household appliances.

Wear is a progressive loss or removal of material from one or both the surfaces in contact as the result of relative motion between them. Wear is the single most influencing factor which shortens the effective life of machine or its components. The various factors affecting wear rate are Material of contacting surfaces, Surface finish, Surface hardness, Load, Temperature, Sliding speed, Presence of foreign materials, Environmental conditions, Guide ways machine tools etc.

In engineering application, metal to metal contact often occurs during relative motion rating parts, though lubrication, are subjected to wear and friction as such, their performance characteristics metal to metal are very important from design point of view. In this paper, loaded pin is to simulate the parallel surface in motion e.g. Collar bearing, slider in machine tools. It is essential to design a wear rate at design state, in doing so, it is essential to develop such equipment which will serve the purpose of material testing.

II. OBJECTIVES

Following are the objectives of this paper

1. To verify the basic laws of wear
2. To find out the behaviour of the material from wear and friction point of view and the effect of the various sliding speeds and loads.
3. To study the phenomenon of failure of transfer film by making use of pin on disc apparatus
4. To suggest the best suitable material for the journal bearing applications from the tested materials

Multi-Dimensional Meaning Annotation in Synthesis of Listener Vocalizations

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Glocal University, Uttar Pradesh 247121, India

Abstract:

The meaning annotation of listener vocalizations is a crucial step towards the synthesis of these vocalizations. This chapter describes a systematic study of vocalizations' meanings. We propose a multi-dimensional annotation approach aimed at obtaining appropriateness ratings of each vocalization for each of the meanings. We conduct a listening test where multiple subjects annotate (characterize) a set of listener vocalizations using a multidimensional set of meaning descriptors. Typical impressions on context-independent meaning of listener vocalizations are being investigated. We also analyse the relevance of behaviour properties for the meaning perception of listener vocalizations.

Keywords: open-endedness, segmental form, intonation, appropriateness.

1. Introduction:

The meaning annotation of listener vocalizations is a critical step in the synthesis of these vocalisations. In the preceding chapter, an open-ended exploratory investigation was given in order to determine the list of probable interpretations accessible in a database of German listener vocalisations. Despite the fact that such research assisted us in identifying a plausible list of meanings in the corpus, we made a few findings as a result of it.

2. Multi-Dimensional Meaning Annotation

In addition, various additional research was conducted in order to better comprehend the meanings of vocalisations. None of them, however, were concerned with determining the appropriateness of meanings. All of these research must be examined in the context of a larger picture. It necessitates the following procedure: Identification of relevant meaning descriptors; annotation of appropriateness for each meaning descriptor; identification of a typical perception of meanings for each vocalisation; analysis of the influence of behavioural features such as segmental shape and intonation on perceived meaning. We attempt the above steps in this chapter. In order to synthesize an appropriate listener vocalization, we require two kinds of information about each of the available vocalizations:

A typical impression of the meaning that the vocalization could convey. How appropriate is the vocalization for a given meaning.

3. Experimental corpus:

Table 1.1 shows the database of vocalizations, which is recorded by four professional British actors, used for multi-dimensional meaning annotation.

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Partition Wounded Women Physically and Mentally: A Feminist Perspective

By

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Abstract

This paper focuses on the problem of violence towards women during the riots that followed India's 1947 Partition. The gender-specific interpretation of the partition genocide makes it easier to talk about the numerous types of violence directed at women and the symbolic significance of these acts. The idea of the nation as a "mother" and its ideological ramifications for female citizens are also explored in this paper. The paper also discusses the subject of kidnapped women, the state's efforts to recover and rehabilitate them, and the guiding ideology that guides these efforts of individual autonomy, and control over their bodies and lives.

Keywords: Indian Partition, Ethnic violence, patriarchy, female sexuality, national honor, feminism, religion.

Introduction

However, many different and intricate factors led to the division. This essay focuses on the problem of gendered violence in the communal riots that occurred during the partition out of the various elements that can explain this turning point in South Asian history. There were two types of gender-based violence throughout this ethnic genocide. First, men from opposing religious groups often abducted, raped, and mutilated women's genitals or humiliated them in public. This type of assault was allegedly used to degrade the men of the competing religion to whom the ladies belonged. The second type of violence against women included abuse at the hands of family members. This can range from honor killings to male relatives requesting that their mothers, daughters, or wives commit suicide to preserve the community's chastity and purity. The assertion that women were not treated as people but rather as symbols of societal and national pride is supported by both types of assault. Our paper's primary sources include a variety of feminist socio-historians from India who have written extensively on the violence of the partition, including Ritu Menon, Kamla Basu, and Urvashi Butalia. According to Basu, Menon, and Butalia, among other scholars, the main reason for violence against women was to uphold religious, national, and family honor. Our goal in this paper is to identify and explain

Application of Wavelet Analysis in Condition Monitoring of Induction Motors



Amandeep Sharma, Pankaj Verma, Anurag Choudhary, Lini Mathew, and Shantanu Chatterji

Abstract In the era of globalization, manufacturing industries are facing intense pressure to prevent unexpected breakdowns, lower maintenance costs and improve machine availability. Due to the increasing trend of Condition Monitoring (CM), numerous sensors deployed on industrial apparatus around the world and several monitoring techniques available for fault diagnosis of induction motors are growing at a rapid pace. This article provides a state-of-art review of past and recent developments taking place in wavelet analysis-based CM and failure diagnosis in three-phase induction motors. The utilization of different CM techniques in data processing and application of wavelet-based automatic failure prediction in induction motors for timely scheduling of the maintenance holds great research potential in the future.

Keyword Condition monitoring (CM) · Fault detection · Wavelet analysis · rotating machines

1 Introduction

Due to the ever-changing nature of working environment, it is the dire need of today's world to put into practice an effective e-maintenance strategy for evolving proper usage of existing assets, reliability and safety [1–3]. Induction motors are the majority of the prime movers in industrial application. The demand of three phase induction motor has highly expanded in the recent decades due to their simplicity and reliability

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Design and Analysis of Interior PMSM for Low Power EV Applications in Hilly Terrain

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Abstract—High power and high energy density is necessity of modern day electric vehicle (EV) system. Interior Permanent Magnet Synchronous Machine (IPMSM) developed as a significant choice for EV applications due to its exceptional performance and compact size. A 4kW Electric vehicle drive system requires motor design to provide tractive effort for low power electric vehicle. In this paper 3-phase IPMSM is designed for hilly terrain using analytical method and proposed model is then validated with using Finite Element analysis using Ansys Maxwell 2D environment. The design process includes impulsive assumptions and evaluates machine parameters. The design incorporates V-type magnet structure and NdFeB(N42) is utilized as rare earth material. The analysis results determine the effectiveness of anticipated machine design.

Keywords—Electric vehicle, Interior Permanent Magnet Synchronous Machine (IPMSM), Machine Design, NdFeB.

LIST OF ABBREVIATIONS

m	Number of phases
V_r	Voltage drop
Q_{in}	Input power in kva
V_t	Terminal voltage
I_t	Terminal current
I_{ph}	Phase current
V_{ph}	Phase voltage
N_p	Number of parallel paths
I_c, V_c	Coil current, Coil voltage
G	Output coefficient
D	Diameter of stator bore
L	Stack length
K_w	Winding factor
B_{m-x}	Magnetic loading
a_c	Ampere loading
a_r	Aspect ratio
τ_p	Pole pitch
ϕ_{total}	Total air gap flux
ϕ_p	Flux under the pole
$bs0$	Slot opening width
g	Air gap length
$hs0$	Slot opening height
$hs1$	Slot top depth
$\phi_{st, max}$	Stator tooth flux
B_{st}	Maximum flux density in stator tooth
K_i	Stacking factor or iron factor
$ws1$	Width of stator tooth
$bs1$	Slot top width
B_{sy}	Maximum flux density in stator yoke
W_{sy}	Width of stator yoke
e	No-load EMF to phase voltage ratio

E_{ph}, V_{ph}	Phase back EMF, Phase voltage
N_{ph}	Number of phase turns
N_{ic}	Number of turns in single coil
J_{sw}	Maximum current density in stator winding
cA_{sc}	Copper area of single conductor
cA_{ca}	Copper area of coil arm
gA_{ca}	Gross area of coil arm
k_f	Fill factor
H_{g60}	Air gap magnetic field at 60°
K_r	Reluctance factor
H_m	Working MMF of magnet
K_{cs}	Carter factor
τ_s	Stator slot pitch
k_{sr}	Reluctance ratio
l_e	Effective air gap length
d_m	Depth of magnet
μ_m	Permeability of magnet
B_m	Working point of magnet
k_l	Leakage factor
W_m	Width of magnet

1. INTRODUCTION

The need of the world automotive market has been shifted from design of traditional hydraulic mechanical system to highly efficient electronic systems. As PM motors introduced a long back in 1930, but the development in new electronic components and their advance features make it possible to perfectly control these machines and make it possible to use them in automotive applications. The development of rare earth magnets attracts the researchers to use them in machine because permanent magnets eliminate the requirement of excitation system in rotary machines, which increase their reliability.

As per magnet position, the PMSM is categorized as surface permanent magnet synchronous machine (SPMSM) and interior permanent magnet synchronous machine (IPMSM). The characteristics of both structures of PMSM appreciated for the industrial use, but IPMSM have more structural benefits over SPMSM. In IPMSM, the magnet is buried inside the rotor laminations and risk of flaking of magnet due to centrifugal force is evaded [1]. The magnet structure generally utilized in IPMSM is rectangular or square which is easy to fabricate in comparison to arc magnets requires in SPMSM machines. In Electric Vehicle (EV) applications, the weight and the space occupation of machine are prime constraints. Therefore, high power density and high torque density machine are required to fulfill these constraints. PMSM is a good choice for EV in comparison to

Fractal Model to Interpret Porosity-Dependent Hydraulic Properties for Unsaturated Soils

Dr. Kavindra D. Nalawade, Prof. (Dr.) B.K. Sarkar, Prof. (Dr.) Ramesh Singh

PDF

Keywords: Fractal Model; Interpret; Porosity-Dependent; Hydraulic Properties; Unsaturated Soils

Received: 2022-07-30

Abstract

This paper presents a basic fractal model to evaluate the impacts of starting porosity on the dirt water maintenance bond and pressure driven conductivity of unsaturated soils. In the proposed applied model, the difference in most extreme pore sizes, which generally decides the difference in the air-passage system, is straightforwardly connected with the fractal aspect of pore volume (D) and porosity change. The water-powered properties of unsaturated soils are then represented by the greatest pore sweep, the fractal aspect of pore volume (D), and the fractal aspect of available pore volume (D and D). The new fractal model illustrates the experimental fitting boundaries that have no actual significance from existing models for porosity-subordinate water maintenance and pressure driven conduct and unifies boundaries of fractal aspects that are characteristic for the idea of the fractal permeable materials. The proposed model is then approved against exploratory information from the writing on soil-water maintenance conduct and unsaturated conductivity.

Keywords

Dr. Kavindra D. Nalawade, Prof. (Dr.) B.K. Sarkar, Prof. (Dr.) Ramesh Singh, (2022) Fractal Model to Interpret Porosity-Dependent Hydraulic Properties for Unsaturated Soils. *Fractal Fract.* 2022, 6, 154–175. Received from: <https://doi.org/10.3390/fractalfract6050154>

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Big Data Analysis for Cyber Security Using Deep Learning

Dr. Shweta Mishra*, Prof. (Dr.) R.K. Sarker & Prof. (Dr.)
Reena Singh

© PDF

Keywords: Big data, analysis, cyber security, using,
deep learning.

Page No. 100

2022-12-30

Abstract

This chapter acquaints the reader to the terms and terminologies of cyber-attacks, cybersecurity, big data, data analysis, and related new age technologies, including deep learning. The types of cyberattacks, how they become special and different within the big data analytic frameworks, a multi-layer framework for their detection, and the challenges therein are detailed next. Thereafter, an extensive review of some research works has been undertaken to provide an in-depth insight to the various cyber security detection systems using the new age technologies such as naive Bayesian networks in intrusion detection systems, deep learning in Android malware detection, and intelligent malware detection etc. Conclusions have been drawn from these studies to establish that the emerging technologies, like artificial intelligence, machine learning, deep learning, and internet of Things, are the need of the hour to assist organizations in navigating the increasingly aggressive cyber threat landscape.

Chapter No. 08

Dr. Shweta Mishra*, Prof. (Dr.) R.K. Sarker & Prof.
(Dr.) Reena Singh, (2022). Big Data Analysis for
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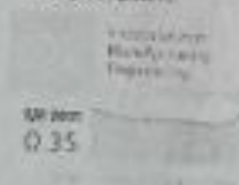
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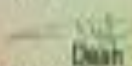
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Key Indicators - 3.3 Extension Activities (NCC/NSS/Red Cross/YRC)

Metric No.	
3.3.1	<p><i>Extension activities carried out in the neighborhood community, sensitizing students to social issues and holistic development during the last five years</i></p> <p>Description:</p> <p>In alignment with its mission, and following the primary teachings, T.R.Abhilashi Memorial Institute of Engineering and Technology, Tanda has always been instrumental in carrying out extension activities. This has always facilitated the institution in sensitizing students and ensuring their holistic development. Institution Scout and Guide is the primary vehicle to plan and execute its extension activities. Main aim of the Scout and Guide is to provide opportunities to the College going youths for their personality development through community services and motto of the Scout and Guide is “Be Prepared”.</p> <p>1. Regular Activities</p> <p>Under regular activities, Scout and Guide Cell of the institution conducted different kinds of extension activities for sensitizing the community through sensitizing the Scout and Guide volunteers (Students) on various social issues. Activities conducted were at two levels i.e. college level and district level. Few of the prominent regular activities include Voter Awareness Programmes, street-plays, drama competitions & Rallies, Save Water Rally, Road Safety Programme, Run for Unity, Workshop on Life Skill Development and Career Counseling, Save Food Campaign, Voters Day, State level Road Safety Award Ceremony, Clean India Workshop, School Dropout Survey, International Yoga Day, Blood Donation Campaign, Clean India Week, Sadbhavana Week, Save Water, Aids Awareness Programme, Cashless India, Say No to Plastic Programme, Mock drill on Disaster etc. in the nearby communities of the university.</p> <p>2.Special Camps</p> <p>Under Special camps institution conducted College Level Special Camps on different themes like, Shramdaan (Chek-Dam Construction, Road Construction), Swachha Bharat Abhiyan, Youth for Community Development, Youth for Unity and Integrity, Eradication of Superstition etc. All these activities were conducted in collaboration with other departments of the institution, Government agencies like district collectorate, ZillaParishads, PanchayatSamiti, Gram Panchayats, Police Commissioner, Health Department, Municipal Corporations, Municipal Councils and Non-Government Organizations like etc. These activities have direct and indirect impact on the lives of</p>

participating students, teachers and the community people. Direct impact is seen on the participating volunteers and teachers as they got opportunities and platform to exhibit their talents and to enhance their knowledge, skills and develop proper attitude towards the society leading towards change in their personalities. Indirect impact can be seen on the common man/ community people as they become aware various social/community issues and were able to control and solve their problems on their own. It is seen that students associated with NSS are away from tobacco consumption, increase in voting percentage, cleanliness in the premises of the camps organized and the villages. It is also seen that most of the villages awarded with district, state level awards for cleanliness. Scout and Guide volunteers functioned as a change agent through extension activities conducted by the institution.

File Description	Document
link for additional information	
Additional information	List attached

3.3.2 *Number of awards and recognition received for extension activities from Government /Government-recognized bodies during the last five years*

Response: Yes

3.3.2.1: Total Number of awards and recognition received for extension activities from Government /Government-recognized bodies during the last five years

Response:

Year	2024-2023	2023-2022	2022-2021	2021-2020	2020-2019
Number	Nil	Nil	Nil	Nil	Nil
File Description			Document		
Additional information					
Number of awards for extension activities in last 5 years (Data Template)			Attached		
e-copy of the award letters					

3.3.3 *Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc.(including the programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)*

Response: Yes

3.3.3.1: Number of extension and outreach programs conducted by the institution through

NSS/NCC/Red cross/YRC etc.during the last five years					
Response:					
Year	2024-2023	2023-2022	2022-2021	2021-2020	2020-2019
Number	6	1	1	1	1
File Description			Document		
Reports of the event/s organized			Attached		
Additional information					
Number of extension and outreach Programmes conducted with industry, community etc., during the last five years (Data Template)			Attached		

3.3.3.1

S.No.	Name of Event	Date and Venue of Event	Organized AT
1	Rangoli and Painting Competition for Election awareness	17/02.2024	TRAMIET
2	“Swachhata hi sewa” Swachata Pakhwara	29/09/2023	TRAMIET
3	Aids day	1 December 2024,2023,2022,2021,2020,2019	TRAMIET
4	Cleanness drive	29/09/2024	TRAMIET
5	Trade Fair for Empowerment of Person with Disabilities	06/11/2023	TRAMIET
6	Indian Against Corruption Drive	25/10/2023	TRAMIET

Trade Fare for Empowerment of Person with Disabilities (Nov 06, 2023)



Plantation Drive





Education Trip April 19,2023









7june2024



Scout & Guide





Cleanliness Drive:-





DRUGS DAY:-



3.3.4 *Average percentage of students participating in extension activities listed at 3.3.3 above, during the last five years*

Response:

3.4.4.1: Total number of students who participate in extension activities listed at 3.6.3 above year-wise during the last five years

Year	2024-2023	2023-2022	2022-2021	2021-2020	2020-2019
Number	382	366	319	280	216

	Total number of students participated in such activities	
	Percentage per year = -----x100	
	Total number of students	
	1563	
	Average Percentage = -----x100 = 93.03	
	1680	
	File Description	Document
	Report of the event	Attached
	Additional information	
	Average percentage of students who participated in extension activities with Govt. or NGOs etc., (Data Template as of 3.6.3)	Attached

Key Indicator - 3.4 Collaboration

Item No.	Particulars					
3.4.1	<i>Collaboration/linkages of the institution for the Faculty exchange, student exchange, internship, field trip, on-the-job training research etc. During the last five year</i>					
	Response: Yes					
	Number of linkages for Faculty exchange, student exchange, internship, field trip, on-the-job training research etc. During the last five year					
	Response:					
	Year	2024-2023	2023-2022	2022-2021	2021-2020	2020-2019
	Number	Nil	Nil	Nil	Nil	Nil
	File Description			Document		
	Copies of collaboration letters					
	Additional information					
	Number of Collaborative activities for research, faculty etc., (Data Template)			Attached		

3.4.2

Number of functional MoUs with national and international institutions/universities, industries, corporate houses etc. during the last five years

Response:

3.4.2.1: Number of functional MoUs with national and international institutions/universities, industries, corporate houses etc. during the last five years

Response: 0

Year	2024-2023	2023-2022	2022-2021	2021-2020	2020-2019
Number	04	02	03	02	01

File Description	Document
e-copies of the MoUs with institution/ industry	Attached
Additional information	
Details of functional MoUs with institutions of national, international importance, other universities for the last five years (Data Template)	Attached

MEMORANDUM OF UNDERSTANDING (MoU)

Between

ThinkNEXT Technologies Pvt. Ltd (Mohali)

&

TR Abhilashi Memorial Institute of Engineering and
Technology (Tanda, Mandi H.P.)

FOR

SKILL DEVELOPMENT, OUTCOME BASED TRAININGS,
PLACEMENT, R&D SERVICES AND RELATED SERVICES

MEMORANDUM OF UNDERSTANDING

This **Memorandum of Understanding** (hereinafter called as the 'MOU') is entered into on this the 19th – October – Two Thousand and Twenty Three (2023), by and between **TR Abhilashi Memorial Institute of Engineering and Technology Tanda, Mandi HP. THE FIRST PARTY** represented herein by its **Principal: Dr. B K Sarkar** (hereinafter referred as '**First Party**'), the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND



THINKNEXT TECHNOLOGIES PRIVATE LIMITED

Corporate Office: S.C.F. 113, Sector-65, Mohali (Chandigarh)
Contact: 0172-4656197, 78374-01000 **Web:** www.thinknext.co.in
CIN: U72200PB2011PTC035677 **GST No.:** 03AAECT1486G3ZF

ThinkNEXT Technologies Pvt Ltd, THE SECOND PARTY, and represented herein by its Zonal / Divisional Head, **Mr. Munish Mittal**, (hereinafter referred to as "**Second Party**", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

WHEREAS:

- A) First Party is a Higher Educational Institution named:
TR Abhilashi Memorial Institute of Engineering and Technology Tanda, Mandi HP.
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interests.
- E) **ThinkNEXT Technologies Pvt Ltd**, the Second Party is engaged in Business, Manufacturing, Skill Development, Education and R&D Services in the fields of – **IOT, AI** and related fields
- F) **ThinkNEXT Technologies Pvt Ltd**, the Second Party is promoted by **ThinkNEXT Technologies Pvt Ltd** is a rapidly growing IT company deals in design and development of software according to the clients' requirements. Its main office in India.
- G) Give related information, its branches, and dimensional information about the industry concerned with whom the MoU is sworn.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTHIN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:



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CLAUSE 1 CO- OPERATION

Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.

First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.

The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

CLAUSE 2 SCOPE OF THE MoU

The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.



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CIN: U72200PB2011PTC035677 GST No.: 03AAECT1486G3ZF

Curriculum Design: Second Party will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.

Industrial Training & Visits: Industry and Institution interaction will give an insight in to the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs / Workshops / Industrial Sites for the hands-on training of the learners enrolled with the First Party.

Research and Development: Both Parties have agreed to carry out the joint research activities in the fields of **Software Development, Web Development, and Product Development.**

Skill Development Programs: Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.

Guest Lectures: Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.

Faculty Development Programs: Second Party to train the Faculties of First Party for imparting training as per the industrial requirement considering the National Occupational Standards in concerned sector, if available.

Placement of Trained Students: Second Party will actively engage to help the delivery of the training and placement of students of the First Party into internships/jobs; and will facilitate placements of the students. The Second Party will itself absorb the trained students.

Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein

There is no financial commitment on the part of the **TR Abhilashi Memorial Institute of Engineering and Technology Tanda, Mandi HP.**, the First Party to take up any programmer mentioned in the MoU. If there is any financial consideration, it will be dealt separately.



THINKNEXT TECHNOLOGIES PRIVATE LIMITED

Corporate Office: S.C.F. 113, Sector-65, Mohali (Chandigarh)
Contact: 0172-4656197, 78374-01000 **Web:** www.thinknext.co.in
CIN: U72200PB2011PTC035677 **GST No.:** 03AAECT1486G3ZF

CLAUSE 3 INTELLECTUAL PROPERTY

3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppels or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 4 VALIDITY

This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **ThinkNEXT Technologies Pvt. Ltd**, the Second Party, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of **ThinkNEXT Technologies Pvt. Ltd** the Second Party after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU

Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations

CLAUSE 5 RELATIONSHIP BETWEEN THE PARTIES

5.1 It is expressly agreed that **TR Abhilashi Memorial Institute of Engineering and Technology Tanda, Mandi HP** and **ThinkNEXT Technologies Pvt. Ltd** are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

First Party

Second Party



THINKNEXT TECHNOLOGIES PRIVATE LIMITED

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Contact: 0172-4656197, 78374-01000 Web: www.thinknext.co.in
CIN: U72200PB2011PTC035677 GST No.: 03AAECT1486G3ZF

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of **Mohali**.

AGREED:

For **TR Abhilashi Memorial Institute of Engineering and Technology, Tanda, Mandi HP**

Authorized Signatory

For **ThinkNEXT Technologies Pvt. Ltd Mohali**

For ThinkNEXT Technologies Pvt. Ltd.

Authorized Signatory

Name of Institution : TR Abhilashi Memorial Institute of Engineering and Technology, Tanda, Mandi HP	Name of Industry: ThinkNEXT Technologies Pvt. Ltd.
Address: Village Tanda PO Balt Tehsil Balh Distt, Mandi H.P.	Address: SCF-113, Sector-65, Mohali, Chandigarh
Contact Details-9816102236	Contact Details: 7837402000
E-mails : abhilashitramiet@gmail.com	E-mails: info@thinknext.co.in
Web: www.tramiet.in	Web: www.thinknext.co.in

Witness 1:

Witness 1:

Witness 2:

Witness 2:



THINKNEXT TECHNOLOGIES PRIVATE LIMITED

Corporate Office: S.C.F. 113, Sector-65, Mohali (Chandigarh)
Contact: 0172-4656197, 78374-01000 **Web:** www.thinknext.co.in
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ABHILASHI UNIVERSITY

Chail Chowk, Tehsil Chachyot, Distt. Mandi (H.P.)

Ph: 01907-250- 407,011 Fax 01907-250407

Email: regabhilashi@gmail.com, registrar.au@abhilashi.in

website: www.abhilashiuniversity.in

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) between **Abhilashi University, Chailchowk, Tehsil Chachyot District Mandi Himachal Pradesh 175045** (herein after called "Abhilashi University") (sponsored by Abhilashi Educational Society) represented by Er. Kapil Kapoor (Registrar) of the one part
and

T.R. Abhilashi Institute of Engg. & Tech. (promoted by Genius Educational Society), Tanda, engaged in teaching, and training in B. Tech. & Diploma (Engg.) Courses (here in after called "the Institute") represented by **Dr. Biplab K. Sarkar/ Er. M.L. Modgil**, (Principal), of the one part.

Aims and objectives of the MOU

- 1) By entering into the MoU, the Institute and Abhilashi University agree to set up a framework to encourage and develop collaboration between Abhilashi University and the institute in the area of teaching & research in Pharmacy field.
- 2) The initial specific objectives agreed upon between the parties are as under;
 - a) Cooperation in the exchange of information relating to their activities in teaching and research in field of mutual interest;
 - b) Promotion of appropriate joint research projects with particular emphasis on DST/ DBT/ University funded projects;
 - c) To exchange the faculty and expertise available for the benefit of the both Institutions in field of teaching and research activities.
 - d) Conduct study tours for students, mutually agreed in writing between the Universities prior to commencement of this activity.
- 3) The parties shall not at any time during or after the term of this MOU, divulge, or allow to be divulged, to any person, any confidential information (including, but not limited to, any information relating to the accounts, finance, contractual arrangement, products, business or affairs of the parties) unless the said information comes in public domain without breach of either party.
- 4) This MoU shall be in operation for a period of 03 years from the date of signing.

Signed on 09th January, 2021 at Chailchowk, Distt. Mandi

Principal(s)
T.R. Abhilashi Institute of Engg. & Tech.
Tand, Tehsil Balh,
Distt. Mandi (H.P.)

Registrar
Abhilashi University
Chailchowk, Teh. Chachyot,
Distt. Mandi (H.P)

**Agreement Memorandum of Understanding (MoU) for Student's
Internship/Training/Visits/Placement with Innovation Lab LLP
Sec 26, Chandigarh**

This Agreement is entered into by and between Innovation Lab LLP, Chandigarh and
TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi
Himachal Pradesh

Purpose:

The Parties have reached an understanding for the Objectives listed below to promote
**Industry - Institute Interaction by undertaken the following schemes as per
mutual consents:**

1. Organizing Workshops, conferences and symposia with joint participation of the faculty and the industries.
2. Encouraging engineers from industry to visit our Institution to deliver lectures.
3. Participation of experts from industry in curriculum development.
4. Arranging visits of staff members & Students to Industry / Research Center.
5. Providing Placement Training to the students in the industry as per convenient and requirement.
6. Professional consultancy by the faculty to industries and vice-versa.
7. Industrial testing by faculty & technicians at site or in laboratory.
8. Joint research programmes and field studies by faculty and experts from Industry/Research Center.
9. Visits of faculty & Students to industry for study and discussion or delivering lecture on subjects of mutual interest.
10. Visits of industry executives and practicing engineers to the Institute for seeing Practical work and laboratories, discussions and delivering lectures on industrial practices, trends and experiences.
11. Memoranda of Understanding between the Institute and industries to bring the two sides emotionally and strategically closer.

12. Human resource development programmes by the faculty for practicing engineers.
13. Collaborative Short Term Training programmes
14. Diploma Projects/Dissertation work in industries under joint guidance of the faculty and experts from industry.
15. Short-term assignment to faculty members in industries.
16. Visiting faculty from industries for expert lectures.
17. Professorial Chair sponsored by industries at the Institute.
18. Laboratories/ Equipments sponsored by industries at the Institute.
19. Scholarships/fellowships instituted by industries at the Institute for student.
20. Practical training of students in industries.

1. Effective Date and Renewal

This Agreement shall become effective on 5.2.2019, or from the date of execution of this Agreement and continue for one year, and shall automatically renew from year to year thereafter for a period up to Three (3) years unless terminated earlier by either party in writing, but not before the end of the academic session for which the process has started.

2. Purpose of this Agreement:

To promote interaction between College / Institute and Research institute / Industry in mutual beneficial areas. To safeguard Industries College / Institute interest and create a Win-Win situation for both parties.

3. TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi Himachal Pradesh

Responsibilities:

College / Institute shall provide the basic preparation of the students through Classroom instructions and shall provide the direction to the candidates about industries requirement.

College / Institute shall designate a representative as a liaison to the Industry Research institute to provide consultation regarding student placements, supervision, and periodic review of student progress toward meeting the College's / Institute's educational objectives.

College/Institute shall share details of all student(s) studying in institute/college Semester / Year wise.

College / Institute shall take all reasonable steps to inform student(s) that they must adhere to the following requirements during initiation of Training / Internship:

- a) Industry/Research institute shall take students for training/ internship as per its own requirement.
- b) The students shall be given training for stipulated time period.
- c) Based on the performance of the students during internship, the industry may decide to offer Pre Placement Offer to one or more students.

4. Responsibilities:

Unless otherwise agreed by Industry / Research institute and College/Institute Industry / Research institute shall assume responsibility for providing supervision of student(s) and cooperate in providing systematic written review of the student performance.

The Industry/Research institute shall provide meaningful and appropriate learning experiences to student to achieve the Colleges / Institute Coeducational objectives for the placement.

A student is not an employee of the Industry / Research institute under the terms of this Agreement and may not take the responsibility or place of qualified staff.

5. Stipend / CTC to be offered:

Industry/Research institute may decide to offer some incentive to student on successful completion of the training.

Once a Candidate is Shortlisted and PPO is offered to him/her as per industries norms and will be informed at the time of selection for internship/training. In case, later on, if there is any form of revision, same shall be informed to College / Institute and Candidate.

6. Code of Conduct of the Industry/Research institute for Candidate (s) on Training / Internship:

Candidate shall adhere to all policies, procedures and code of conduct established by the Industry/Research institute and shall do so under the specific instruction of supervisory staff of the Industry/Research institute.

College/Institute or Industry/Research institute may decide to expel any student deemed to be unsafe to Company, Product, Process or Employees. Party who took the action to expel the student shall notify the other party of said action.


Industry/Research institute further reserves the right to expel any student whose conduct is objectionable to Industry/Research institute standards of conduct as set forth in its policies and procedures.

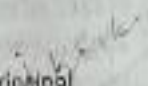
Student shall be responsible for his or her own Boarding / Lodging arrangement and Industry/Research institute shall not be liable to provide the same.

Student shall obtain prior written approval of Industry/ Research institute before publishing any material / document / Process related to the Company in their Training report or thereafter.

7. Termination:

Either party shall provide notice to the other of its intent not to renew this Agreement ninety (90) days prior to the expiration of the current term.


Enovation Lab LLP
Chandigarh


Principal
T. R. Abhishek Memorial Institute of
Engineering & Technology, Janda
P.O. Bat, Dist. Mandi (H.P.)

Memorandum of Understanding (MoU)

This MoU is a legal agreement between Novem Controls Pvt. Ltd. F 174 Industrial Area Phase 8B Mohali - 160059 and T.R. Abhijoshi Memorial Institute of Engineering & Technology which is a signatory of the entire MoU.

WHEREAS, Novem Controls Pvt. Ltd. is since 1999 engaged in the business of Manufacture's, Website Development, Software Development, Online Applications Development, Technical Consulting Services, Domain Name Reg. and Hosting Provider, Bulk SMS Provider, and Industrial IT Training Facilities and Guidance.

WHEREAS, College wishes to utilize the services of Novem Controls in connection with the Development and Training in the Organization.

THEREFORE, Novem Controls and College agree as follows:

Objectives:

- To help every student in his endeavor, To empower the student in IT Education.
- To ensure that the perfect Knowledge Transfer has been made.
- To ensure that he is able to apply the knowledge obtained in his field.
- To provide Technical Support in Training and Development as well.
- To ensure that College Students and Faculties always be updated with technology using such Guest Lectures, Seminars, Workshops and Trainings.

Scope of MoU:

- This is an association between the Company and the College in presence of officials of both the organization.
- Will Provide Guest Lectures, Seminars, and Technical Workshops on College Requirement Basis and help in Placement Assistance.
- We also associate in providing Computer Software and Other Computer equipments to College.
- Training & Development and dissemination of knowledge for students of JIMS and employees of both the organizations.
- Summer Internship and placement of the eligible students from JIMS, strictly according to the extent rules and regulations of M/s. Novem Controls.
- Collaborative efforts in setting up grounds for long term partnership to conduct various Social Activities.
- Conducting exchange programs for students, faculty members as well as the employees of M/s. Novem Controls.
- Any other area which may be mutually beneficial to both the organizations.
- Any query and doubt will be solved to ultimate with utmost satisfaction. We will put every effort to link knowledge and the work sector. Our agenda is to make each and every person empowered so that he/she can contribute to the IT Field.
- We want to be associated with one of the finest colleges in India. Hence, we are constantly on the lookout for the next best college where we can perform our knowledge transfer.
- Also, it is essential to donate as much knowledge we have gained in deserving students and faculties. Thus, what we call as 'Knowledge Domain' is waiting to be dispersed among students of many colleges.

- Our primary aim is to bridge the link between the growing demand for IT jobs and IT education. This is where the Knowledge Transfer comes in.
- Hence, apart from updating students about the latest softwares, we also teach them about performing in the Interviews—that is, how to crack them, giving them tips and strong points to get selected etc.
- Hence, with this association, all our agendas are being satisfied and we are more than happy to be associated with such reputed colleges.

Limitations on Use:

- The Company does not permit the utilization of its name/brand for use by any other association—partner, other company without prior permission. Breaching of the clause would lead to immediate legal action.

Confidentiality:

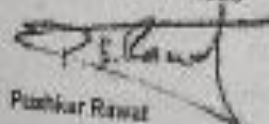
- Licensee agrees to observe complete confidentiality with respect to the Company, and will not disclose any information, copy, reproduce or alter the information provided.

Entire Agreement


- This Memorandum of Understanding is a legal agreement between Controls Pvt. Ltd. F-174 Industrial Area Phase 8B Mohali and T.R. Ashleshi Memorial Institute of Engineering & Technology which is a signatory of the entire MOU
- This MOU is valid for a period of One Year from the date of signing

Thanking you,

Yours faithfully,
For NOVEN CONTROLS


Pushkar Rawal



Principal 
T.R. Ashleshi Memorial Institute of
Engineering & Technology, Tando
P.O. Balli, Dist. Narayana (P.)

This Memorandum of Understanding (MOU) is made between

Rocksoft Solutions is a registered company in India, having its office at F335, Phase 6B, Industrial Area, Sector 74, Sahibzada Ajit Singh Nagar, Punjab 160059, (hereinafter referred to as "Rocksoft Solutions ", which expression shall, unless it be repugnant to the subject or context thereof, include its successors and assigns)

AND

T R Abhilashi Memorial Institute of Engineering and Technology Tanda is one of the most premier colleges located at Mandi, Himachal Pradesh

Whereas the two Parties shall enter into a Memorandum of understanding (MOU) to foster academic collaboration and engagement between the two institutions. The areas of cooperation may include, subject to mutual consent, any desirable and feasible activity that would further the goals of each institution. Such interaction may include cooperation in a variety of academic and educational activities such as:

- Conducting Industrial visit programs for students
- Conducting Faculty Training Programs
- Conducting Student Training Programs
- Conducting Workshops, Hackathons and Seminars, Expert talks
- Participate in career fairs, recruitment events
- Providing Internships and Placement opportunities

This MOU shall be identified as the parent document of any program agreement executed between the parties. Further agreements concerning any program shall provide details concerning the specific commitments made by each party and shall not become effective until they have been reduced to writing, executed by the duly authorized representatives of the parties.

The overarching goal of the MOU is to:

- Extend access to Rocksoft Solutions's resources to CGC Landran. It shall provide an opportunity for continuous learning and upskilling in the emerging technologies.

NOW THEREFORE THE PARTIES HERETO AGREE AS UNDER:

ARTICLE 01: PURPOSE OF THE MOU

1. The purpose of this MOU is to build a cordial and cooperative approach between parties to foster academic collaboration and engagement between the two institutions.

ARTICLE 02: INTENTION OF PARTIES

- 2 Both parties agree that this MOU describes the intention of parties to

Principal
T. R. Abhilashi Memorial Inst
Engg. and Technology
P.O. Box 100, Tanda

- a) Conducting Industrial visit for students of CGC Landran
- b) Conducting Faculty Training Programs
- c) Conducting Student Training Programs
- d) Conducting Workshops, Hackathons, Seminar and Expert talks
- e) Participate in career fairs, recruitment events
- f) Providing Internships and Placement opportunities

The possible areas of collaboration between the Parties are outlined in Annexure 1. These areas are indicative and not exhaustive; additional areas of collaboration may be included based on mutual agreement and evolving requirements.

ARTICLE 03: RESPONSIBILITIES OF EACH PARTY(IES)

A. DATA PROTECTION, CONFIDENTIALITY AND RECORD KEEPING:

Both Parties shall ensure that (i) it uses commercially reasonable and standard processes to protect against unauthorized access to Confidential Information; (ii) in case of any data breach by any sub- contractors or agents or officer or employees or advisers any such persons acting on behalf of either Party having access to processing the Confidential Information, the breaching Party shall be held responsible solely for such breach; (iii) implement the data safeguards and reasonable security standards that it determines are necessary, but in no event less than industry standards (in accordance with the applicable laws), to protect the Confidential Information.

B. COOPERATION

The second party to cooperate with the first party during the tenure of this MOU.

C. COMPLIANCE:

Both the parties shall comply with all the relevant laws, regulations, and business rules.

Monitoring and Evaluation: The first party will facilitate the supervision and monitoring of the collaborative programs and will also submit the monthly reports to the second party.

ARTICLE 04: AMENDMENT/MODIFICATIONS

4.1 This Memorandum of Understanding may be modified or amended only by written agreement between the Parties. Any party can withdraw from the agreement by providing reasonable reasons with a 60-days or mutually agreed days' notice period. This MOU shall be amended only in a writing signed by a duly Authorized Officer or Representative of each of the Parties hereto

4.2 The following are authorized to make amendments:

1. First Party -- Director, Rocknife Solutions, Mohali

Principal
T.R. Ashish Kumar in
Innovation & Technology
P.O. Box, Gurgaon, Haryana

II. Second Party - Principal T R Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi Himachal Pradesh

ARTICLE 05: PERIOD OF UNDERSTANDING

- 5.1 The period of this MOU shall be effective from the **date of signing** and continue for an initial period of **Three years**. However, parties shall further extend it for an agreed period by mutual consent in writing.

ARTICLE 07: MATERIALS AND PUBLICATIONS

- 7.1 The Parties shall hereby agree that each publication is subject to approval. The Parties shall also agree to share both responsibility and credit for material and publications produced under this MOU. Parties shall mutually agree on and assign responsibility for developing and producing specific materials (hereinafter referred to as "Products"). Parties shall have equal access to Products and shall reproduce them for non-profit purposes in any form (e.g., Print, electronic, Internet, video).

ARTICLE 08: INFORMATION DISSEMINATION

- 8.1 The Parties agree that Products produced from activities described in this MOU are intended for distribution to the public subject to Article 07 above. Each party reserves the right to disallow the use of its name and logo on products revised by others. Each Party agrees to acknowledge the other for its contribution of work under this MOU in any advertising, publicity, publications, or other information dissemination.

ARTICLE 09: PROPRIETARY INFORMATION

- 9.1 The Parties agree that any information shared under this MOU shall be information that is currently available within the public domain or which Parties intend to become used within the public domain unless otherwise exempt from such disclosure under applicable statutes or regulations.

ARTICLE 10: INTELLECTUAL PROPERTY

- 10.1 Any intellectual property created before the date of this MOU shall remain the exclusive property of the party which created the same, including, but not by way of limitation, any variations, adaptations, and derivations thereof (hereinafter referred to as "Background IP"). All intellectual property created or developed in connection with this MOU that is not Background IP shall be used in any manner by either party without the concurrence of the other party provided that neither party shall seek to obtain or perfect exclusive rights in or to any such intellectual property.

Principal
T. R. Abhilashi Memorial Institute of
Engineering & Technology, Tanda
Rohat, Dist. Ambala

ARTICLE 11: NOTICES

- 11.1 Any notice given by either Party shall be sufficient only if in writing and delivered to respective representatives of each Party listed below.

ARTICLE 12: PERSONNEL

- 12.1 The personnel employed by Parties shall remain subject to rules and regulations of their respective institutions in all matters of employment, medical and life insurance, and all other employee rights and benefits. Nothing contained in this MOU shall be deemed to constitute or create an employer/employee relationship between First Party and the Second Party.

ARTICLE 13: FORCE MAJEURE

- 13.1 Any delays in or failure of performance of either Party shall not constitute a default or give rise to any claim for damages if and to the extent caused by or resulting from acts of God, earthquake, fire, explosion, flood, elements, strikes, lockouts, boycotts, picketing, labour disturbances or differences with workmen, acts of public enemy, war, rebellion, Riots, acts of government (federal, state, municipal or another unit), or any cause whatsoever beyond the control of Party in default, but performance hereunder may be resumed with all dispatch as soon as cause preventing performance has been removed. (The Content for this Clause might vary or change depending on the mutual consideration between the First Party and the Second Party)

ARTICLE 14: REMEDIES

- 14.1 The Parties agree that nothing in the performance of this MOU shall be actionable in any Court of law. Only remedies available for unresolved conflicts under this MOU shall be those informal means as identified herein in Article 18: Conflict/ Dispute Resolution, Article 04: Modification, and /or by Article 15: Termination hereof.

ARTICLE 15: TERMINATION

- 15.1 Either party shall terminate this MOU for convenience at any time upon Sixty (60) days (or mutually decided date) advance written notice of termination to the other Party. Parties shall hereby agree that in the event of such termination, Parties shall discuss the necessity to comply with their respective responsibilities here under in effect at the time of such termination, and, if possible, make efforts to complete such activities or projects.

ARTICLE 16: LANGUAGE

Principal
I. R. Abhishek/Memoria Institute of
Engineering & Technology, Tilda
P.O. Box, Dera Ghokhi P.S.

The English language shall be the only official version of this MOU and shall govern any interpretation of clauses contained herein in the event that this MOU is translated into any other language.

ARTICLE 17: LIABILITY

- 17.1 Each Participant shall hereby agree to be responsible and assume liability for its own wrongful or negligent acts or omissions and those of its officers, agents, or employees, to the full extent required by law, and each Participant shall indemnify and hold the other Participant harmless from any such liability. (The content for this Clause might vary or change depending on the mutual consideration between the First Party and the Second Party)

ARTICLE 18: CONFLICT / DISPUTE RESOLUTION

- 18.1 In the event where both the Parties are unable to come to an agreed solution or in the event of any disputes or differences arising between Parties hereto out of or in relation to or in connection with this MOU or as to the interpretation thereto either during the subsistence of this MOU or any time thereafter, the matter shall be referred to the Arbitrator for Arbitration and the decision shall be final for both the Parties. The applicable Arbitration procedure shall be as per the Arbitration and Conciliation Act 1996 of India.
- 18.2 In that event, the dispute or difference shall be referred to the sole Arbitration of an officer as the Arbitrator to be mutually appointed by the Parties. If the Arbitrator to whom the matter is initially referred is transferred or vacates his office or is unable to act for any reason, he/she shall be replaced by another person *mutually appointed to act as Arbitrator*. Reference to Arbitration shall be a condition precedent to any other action at law. The Venue of Arbitration shall be the place from where the Agreement has been issued.
- 18.3 In the event that any dispute arising under or relating to this MOU cannot be resolved by settlement between Parties, Parties shall attempt to resolve all disputes through informal means. This shall include e-mediation, arbitration, or any other procedures upon which Parties agree. Each party shall be equally responsible for the costs of such Conflict/ Dispute Resolution settlement unless otherwise agreed upon in writing.

ARTICLE 19: APPLICABLE LAWS/JURISDICTION

- 19.1 This MOU shall be governed by and constructed in accordance with the laws, regulations, and policies of India.
- 19.2 The Agreement shall be governed by and interpreted in accordance with the laws of India for the time being in force. The Court located at the place of issue of Agreement shall have jurisdiction to decide any dispute arising out of or in respect of the Agreement. It is specifically agreed that no other Court shall have jurisdiction in the matter.
- 19.3 In case of failure of settlement of dispute between the Parties, the same shall be in

Principal
T. R. Abhishek Manoria / Institute of
Entrepreneurship

accordance with law within the jurisdiction of Mohali, Punjab only.

ARTICLE 20: ENTIRETY OF UNDERSTANDING



This MOU contains the final and entire understanding between Parties concerning project/collaboration, and all future projects and/ or agreements shall be in separate writing based upon mutual agreement of Parties, and neither Parties nor their agents shall be bound by any terms, conditions, statements, warranties, or representations, either oral or written, not therein contained.

ARTICLE 21: MISCELLANEOUS

- 21.1 Both the Parties shall keep confidential, and shall not use for any other purpose, each other's information save and except such as is required by the law to be disclosed/divulged. Out of this Project/collaboration the data generated, study conducted, or any research done will be the property of the institution and the First Party will have to take necessary legal permission to use any such data.
- 21.2 MOU does not affect each party's ability to work with other Parties.
- 21.3 Any notices, approval consent and/ or notifications required or permitted to be given hereunder shall be in writing in English and shall be personally delivered or sent by registered speed post with postage fully paid, transmitted through fax to the address specified below or such other addresses notified from time to time by each party in writing and, in the manner, herein before providing.
- 21.4 Each of the Parties agrees to execute & deliver all such further instruments and to do and perform all such further acts, things as shall be necessary and required to carry out the provisions of this MOU and to commensurate the transactions contemplated hereby. It is hereby agreed that the Parties hereto shall perform their respective aforementioned obligations during the period from the date of commencement of the MOU till the completion of the said project / end of the Project or till the tenure of this Agreement.

Principal
T. R. Ashish Memorial Institute of
Engineering & Technology, Tanda
P.O. Bkt, Dist. Mandi (H.P.)

IN WITNESS WHEREOF, the Parties hereto have carefully gone through the contents of the Memorandum of Understanding (MOU) and have signed and put their seals on the aforesaid MOU. They have agreed to abide by the terms and conditions as laid down therein in totality and have signed this MOU as of the day and year first above written.

Rocksoft Solutions Mohali	TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi Himachal Pradesh
  Signature & Seal Churamani Sharma	Signature and Seal Principal Prof. Biplob Sarkar TR Abhilashi Memorial Institute of Engineering & Technology, Tanda Director Principal (G. Engg, Tanda, Mandi Himachal Pradesh)

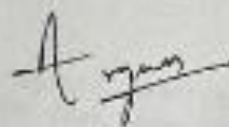
IN WITNESS WHEREOF the parties hereto have signed, sealed and delivered this MoU on the 03, September 2024, first above written in presence of

WITNESSES by Rocksoft Solutions

1. Mr. Arjun Taank

2. Rajat Thakur

Signature



Signature

WITNESSES by TR Abhilashi Memorial
Institute of Engineering and Technology
Tanda Mandi Himachal Pradesh

1. Mr. Chander Bhanu Sen

2. Mr. Pankaj Verma



MEMORANDUM OF UNDERSTANDING

BETWEEN

T.R.Abhilashi Memorial Institute of Engineering and Technology,
Abhilashi University Chailchowk

AND

Parshi Training & Technical Services Pvt. Ltd

(CADDERS)

T.R.Abhilashi Memorial Institute of Engineering and Technology,
Abhilashi University Chailchowk & CADDERS

DATE- 24/09/2019



AnyScanner

MEMORANDUM OF UNDERSTANDING

This MEMORANDUM OF UNDERSTANDING (The "MOU") is Entered between Parshl Training & Technical Services Pvt. Ltd. (CADDESK) having its registered office at 101, Pink Tower, Opp. Nehru Garden, Tonk Road, Jaipur - 302015 (Rajasthan)

AND

I.R. Abhilashi Memorial Institute of Engineering and Technology. Abhilashi University Chalk Chowk
Village Tanda, P.O. Balh
Tehsil- Balh, Distt Mandi, H.P.

With reference to the CADDESK proposal CADDESK is hereby authorized to start CAD / CAM / CAE & training programs on Automation for Civil, Electrical & Electronics, Architecture, Mechanical & Computer Application students.

Terms of MOU

1. The student will undergo this training program as per the curriculum of H.P. Technical University for developing their skills on Design & Analysis on various software in the related streams of Engineering i.e Civil, Electrical & Electronics, Architecture, Mechanical & Computer Application.
2. CADDESK will provide the related necessary course material, manuals to the students.
3. Classes will be conducted according to the academic schedule of the College.
4. The College will provide the infrastructure, i.e tables, chairs, boards etc.
5. CADDESK will provide the hardware with software for the training purpose and would be maintaining all the student records who would be attending the trainings and the same would be forwarded to the College as and when asked for.



CAD DESK

TRAINING • PLACEMENT • SOFTWARE • CONSULTANCY

MEMORANDUM OF UNDERSTANDING

This MEMORANDUM OF UNDERSTANDING (The "MOU") is Entered between Pershu Training & Technical Services Pvt. Ltd. (CADDDESK) having its registered office at 201, Pink Tower, Opp. Nohra Garden, Tonk Road, Jaipur - 302015 (Rajasthan)

AND

T.A. Abhishat Memorial Institute of Engineering and Technology, Abhishat University Chalkhawa Village Parda, P.O. Bait, Tehsil- Bait, Distt Mandi, H.P.

With reference to the CADDDESK proposal CADDDESK is hereby authorized to start CAD / CAM / CAE & training programs on Automation for Civil, Electrical & Electronics, Architecture, Mechanical & Computer Application students.

Terms of MOU

1. The student will undergo this training program as per the curriculum of H.P. Technical University for developing their skills on Design & Analysis on various software in the related streams of Engineering i.e. Civil, Electrical & Electronics, Architecture, Mechanical & Computer Applications.
2. CADDDESK will provide the related necessary course material, manuals to the students.
3. Classes will be conducted according to the academic schedule of the College.
4. The College will provide the infrastructure, i.e. tables, chairs, boards etc.
5. CADDDESK will provide the hardware with software for the training purpose and would be maintaining all the student records who would be attending the trainings and the same would be forwarded to the College as and when asked for.

T.A. Abhishat Memorial Institute of Engineering and Technology,

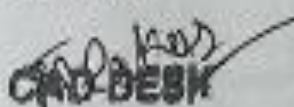
Abhishat University Chalkhawa Village Parda, P.O. Bait, Tehsil- Bait, Distt Mandi, H.P.

6. Expert Faculties would be provided by CADDESK to train students on the chosen courses from the related streams of Engineering & Computer Application.
7. Student's course curriculum and duration of training program is attached in enclosure.
8. This MOU can be extended after one year as per mutual concern of both parties and satisfactory training program.
9. CADDESK will establish the lab to conduct the training program in the University Campus and take all the liabilities of CAD software during the training.
10. CADDESK is allowed to put the display board in the lab and department.
11. In order to ensure quality-training, student's assessment would be taken and forwarded to the College/University. Depending on the feedback of student performance appropriate corrective measures shall be taken in consultation with the College/University.
12. CADDESK reserves the right to change the course modules based on its understanding of the industry in consultation with the University.
13. In case of any additional support is to be carried out that is more than what is agreed upon as per the MOU, CADDESK will submit a separate commercial proposal for the same.
14. Each party shall have the right at any time to terminate this agreement upon a notice of (60) calendar days, without prejudice to any other legal rights to which it may be entitled.
15. The liability of legitimate software is the responsibility of CADDESK and University would not be held accountable for any infringement.

For and on behalf of:

Parshi Training & Technical Services Pvt. Ltd

(CADDESK)



CAD-DESK

Authorized Signatory

for and on behalf of:

1) T.R. Abhilash Memorial Institute of
Engineering and Technology, Village Tanda,
P.O Balt, Tehsil- Balh Distt Mandi H.P.

2) Abhilashi University Chalkhowk,
Distt Mandi, H.P

Authorized Signatory

This Memorandum of Understanding (MOU) is made and entered into as of [Date], by and between Meander Software Pvt Limited, having its principal office at Tdi Business Centre, 18 - 11th, VR Punjab Mall Rd, Sector 118, Sahibzada Ajit Singh Nagar, Punjab 160005, hereinafter referred to as "The Company," and T.R. Abhilashi Memorial Institute of Engineering & Technology

1. Purpose: The purpose of this MOU is to establish a collaborative framework for providing internship opportunities, industrial visits, and exploring pre-placement offers (PPOs) for students at The University, without any monetary obligations between The Company, The University, or the students.

2. Scope of Collaboration:

2.1 Internships for Students:

- The Company shall provide internship opportunities for students
- The internships will be stipend-based, with the stipend amount determined based on the performance of the students during their internship period.

2.2 Industrial Visits:

- The Company shall facilitate industrial visits for students to provide practical exposure and enhance their understanding of industry operations
- The visits will be organized in collaboration with The University

2.3 Pre-Placement Offers (PPOs):

- The Company may, at its discretion, explore the possibility of offering Pre-Placement Offers (PPOs) to eligible students based on their performance during internships or as deemed suitable by The Company.

3. Financial Terms:

- No monetary activity will be involved between The University, The Company, or the students for internships, industrial visits, or any related activities.
- Any expenses incurred for industrial visits (e.g., transportation or accommodation) shall be managed independently by The University or students, as agreed upon in advance.

4. Responsibilities of The Company:

- Provide structured and meaningful internship programs that align with industry standards and academic objectives
- Organize industrial visits as per mutual agreement with The University
- Evaluate the performance of students during internships and provide appropriate feedback

5. Responsibilities of The college:

- Identify and recommend eligible students for internships
- Facilitate communication and coordination between students and The Company
- Ensure students adhere to the rules and guidelines provided by The Company during internships and visits

6. Duration and Termination:

- This MOU will remain in effect for a period of one year from the date of signing and may be renewed upon mutual agreement.
- Either party may terminate this MOU by providing 30 days' written notice to the other party.

7. General Provisions:

- This MOU is non-binding and does not constitute a legal partnership or joint venture between the parties
- Any amendments to this MOU must be made in writing and signed by both parties

8. Signatures: In witness whereof, the parties hereto have executed this Memorandum of Understanding as of the date first written above

For Meander Software Pvt Limited

Name: Rupali

Designation: H.R. HEAD

Signature: [Signature]

Date: 6/2/2025

Meander Software Pvt. Ltd.
11th Floor, TGI Business Center,
Sector 11B, SAS Nagar, Punjab 160055

For T.R. Abhilashi Memorial Institute of Engineering & Technology :

Name: Dr. Biplob Kumar Sarkar

Designation: Principal

Signature: [Signature]

Date: 6/2/2025

T.R. Abhilashi Memorial Institute of
Engineering & Technology, Tanchi
P.O. Baidi, Dist. Murshidabad

PATENTS

		
पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India		
विशेषज्ञ के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design		
विशेषज्ञ सं. / Design No.	427992-001	
तारीख / Date	23/08/2024	
आवश्यकता तिथि / Necessity Date		
देश / Country		
<p>प्रमाणित किया गया है कि संलग्न इस में वर्णित विशिष्टता को IoT BASED BIOMETRIC-ENABLED SMART BANKING LOCKER SYSTEM में संबंधित है, का पंजीकरण, श्रेणी 05-04 में Potti Sriramulu Chalapudi Mallikarjuna Rao College Of Engineering And Technology के नाम में पंजीकृत किया गया और आवेदन में का दिया गया है।</p> <p>Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 05-04 in respect of the application of such design to IoT BASED BIOMETRIC-ENABLED SMART BANKING LOCKER SYSTEM in the name of Potti Sriramulu Chalapudi Mallikarjuna Rao College Of Engineering And Technology.</p> <p>विशेषज्ञ अधिनियम, 2000 तक विशिष्टता नियम, 2001 के अधीन प्रदान की है अनुसूच में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.</p>		
जारी करने की तिथि Date of issue		 नियंत्रक जनरल Controller General of Patents, Designs and Trade Marks
<p>नियंत्रक जनरल जारी जारी करेंगे, किसी अवधि की नहीं है जो कि यह आ गया, विशेषता का आवेदन पंजीकरण की तिथि से एक वर्ष के लिए सेवा किया गया, सहित एक (1) वर्ष के बाद के जारी, और जो की अधिकतम अवधि 5 (Five) साल तक पर समाप्त हो जाएगी जिसके अंतर्गत सेवा की जा सकती है। The independent date of issue which has been achieved and the date of the country. Copyright in the design will subsist for one year from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining a provision abroad.</p>		



ORIGINAL
आर.पी. कार्ड नं. - 432137



पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India
विजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design

विजाइन नं. / Design No. 432137-001
तारीख / Date 28/06/2024
आवश्यकता तिथि / Necessity Date
देश / Country

प्रमाणित किया जाता है कि संलग्न की गई प्रति विजाइन नं. AI BASED HOME MONITORING DEVICE FOR OLDER ADULTS से संबंधित है, का पंजीकरण, केसी 10-05 में 1.Ms. Doli Deori 2. Prof. (Dr.) B.K Sarkar 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh के नाम में उल्लेख किया और उल्लेख से का किया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to AI BASED HOME MONITORING DEVICE FOR OLDER ADULTS in the name of 1.Ms. Doli Deori 2. Prof. (Dr.) B.K Sarkar 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh.

विजाइन अधिनियम, 2000 तथा विजाइन नियम, 2001 के अन्वयेन प्रदान की गई प्रमाण पत्र।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

आवेदन की तिथि
Date of issue 28/11/2024



प्रमुख निदेशक, विजाइन और वाणिज्य चिह्न
Controller General of Patents, Designs and Trade Marks

प्रमाणित किया जाता है कि यह प्रमाण पत्र, जिसकी प्रतिलिपि दी गई है, इस विजाइन के पंजीकरण के अन्वयेन प्रदान की गई है।
The copy of the design which has been registered and the name of the inventor. Copyright in the design will subsist for ten years from the date of registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is issued for the use in legal proceedings and for obtaining a patent thereon.



ORIGINAL
DP Design No. : 184503



पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India
विजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

विजाइन नं. / Design No. : 429583-001
तारीख / Date : 06/06/2024
आस्पेक्टिव डेटा / Reciprocity Date :
देश / Country :

प्रमाणित किया जाता है कि संलग्न की गई प्रति विजाइन ले AI BASED VISITOR IDENTIFICATION USING IMAGE PROCESSING के संबंधित है, जो पंजीकरण, दिनांक 14-02 के Potti Srimulu Chalavadi Mallikarjuna Rao College Of Engineering And Technology के नाम के आवेदन संख्या और तारीख में का किया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to AI BASED VISITOR IDENTIFICATION USING IMAGE PROCESSING in the name of Potti Srimulu Chalavadi Mallikarjuna Rao College Of Engineering And Technology.

विजाइन अधिनियम, 2000 तथा विजाइन नियम, 2001 के अन्वयेन प्रदान की गई प्रमाण पत्र।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि
Date of issue : 11/11/2024




नियंत्रक जनरल, डिजाइन और टोका मार्क
Controller General of Designs and Trade Marks

प्रमाणित किया जाता है कि यह प्रति, जिसमें आवेदन की गई है उसका एक प्रमाण, डिजाइन का आवेदनिका पंजीकरण की तारीख से एक वर्ष के लिए और डिजाइन (Design) अधिनियम, 2000 के अन्वयेन, और उसके अधिनियम के तहत लागू होने वाले नियमों के अन्वयेन पंजीकृत किया गया है।
The copyright date of work which has been entered into the name of the owner. Copyright in the design will subsist for the year from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not the one in legal proceedings of the registration is provided above.



ORIGINAL
आर. पी. कार्ड नं. - 164542



पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India
डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन नं. / Design No. 431789-001
तारीख / Date 20/06/2024
प्रारम्भिक तिथि / Priority Date
देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन की **AI BASED CHEMICAL POLLUTION DETECTION DEVICE** के संबंध में, का पंजीकरण, दिनांक 10-05 है 1.Dr. Subash Chandra Sahu 2. Prof. (Dr.) B.K Sarkar 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh के नाम में उपर्युक्त संज्ञा और वर्णित में का किया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to **AI BASED CHEMICAL POLLUTION DETECTION DEVICE** in the name of 1.Dr. Subash Chandra Sahu 2. Prof. (Dr.) B.K Sarkar 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अन्वयेन क़ायम की गई अनुमति है।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि
Date of issue 12/11/2024




सचिव, डिजाइन और संरक्षण विभाग
Controller General of Designs, Delineation and Trade Marks

पंजीकृत डिजाइन और वर्णित में, किसी प्रतिलिपि की गई है और इसे का पता: डिजाइन का संरक्षित पंजीकरण की शर्तों में एक वर्ष के लिए सेवा "Design" अधिनियम 2000 (The Designs Act, 2000) के अन्वये, और वर्णित में पंजीकृत डिजाइन के लिए डिजाइन और संरक्षण विभाग का जारन किया जाएगा डिजाइन अधिनियम 2000 के अन्वये।
The design and date of issue of which has been entered into the records of the Controller, Copyright in the design will subsist for the first year from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of four years. This Certificate is not the one for legal proceedings in the obtaining is provided above.



ORIGINAL
DESIGN NO. 11711/2001



पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India
विशाल के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

विशाल नं. / Design No. 431171-001
तारीख / Date 20/06/2024
उत्पत्तिस्थल तारीख / Headquarters Date
देश / Country


प्रमाणित किया जाता है कि वस्तु इस में जोड़ा विशाल नं. AI BASED NANO MATERIAL QUALITY DETECTING DEVICE के संबंधित है, का पंजीकरण, केनो 10-05 में 1.Dr. Subash Chandra Sahu 2. Prof. (Dr.) B.K Sarkar 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh के नाम में उपरोक्त लोग और तारीख में का किया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to AI BASED NANO MATERIAL QUALITY DETECTING DEVICE in the name of 1.Dr. Subash Chandra Sahu 2. Prof. (Dr.) B.K Sarkar 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh.

विशाल अधिनियम, 2000 तथा विशाल नियम, 2001 के अन्वयेन क़ायम है अनुमत्य है।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

प्राप्त होने की तिथि
Date of Issue 11/11/2004




सचिव, डिजाइन और ट्रेड मार्क
Controller General of Designs and Trade Marks

“प्रमाणित किया जाता है कि वस्तु इस में जोड़ा विशाल नं. AI BASED NANO MATERIAL QUALITY DETECTING DEVICE के संबंधित है, का पंजीकरण, केनो 10-05 में 1.Dr. Subash Chandra Sahu 2. Prof. (Dr.) B.K Sarkar 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh के नाम में उपरोक्त लोग और तारीख में का किया गया है।

The copyright date of the design which has been entered in the name of the owner. Copyright in the design will extend for ten years from the date of Registration, and may, under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not to be used in legal proceedings in the absence of registration thereof.



ORIGINAL
आर.डी.सी.एल.नं. - 184771



पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India
विशेषज्ञ के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

विशेषज्ञ नं. / Design No. 431170-001
तारीख / Date 20/06/2024
आवधिकारित तारीख / Priority Date
देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित विशेषज्ञ को AI BASED GAS LEAKAGE DETECTION DEVICE में संबंधित है, जो तारीख, अर्थात् 10-05 में 1.Dr Bhumika Sharma 2. Prof. (Dr.) B.K Sarker 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh के नाम में अर्जित किया और उल्लेख में का विश्व पत्र है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to AI BASED GAS LEAKAGE DETECTION DEVICE in the name of 1.Dr Bhumika Sharma 2. Prof. (Dr.) B.K Sarker 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh.

विशेषज्ञ अधिनियम, 2000 तथा विशेषज्ञ नियम, 2001 के प्रावधानों के अनुसार है।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

आवेदक की छवि
Dated at: 19/11/2024



सचिव, आर.डी.सी.एल.
Controller General of Patents, Designs and Trade Marks

प्रावधिकारित किया जाते हैं, किसी अर्जित की गई है जो एक देश या देशों द्वारा या आवधिकारित प्रक्रियाओं की प्रक्रिया में एक आवधिकारित प्रक्रिया द्वारा आवधिकारित किया जाते हैं।
The design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to AI BASED GAS LEAKAGE DETECTION DEVICE in the name of 1.Dr Bhumika Sharma 2. Prof. (Dr.) B.K Sarker 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh.

The design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to AI BASED GAS LEAKAGE DETECTION DEVICE in the name of 1.Dr Bhumika Sharma 2. Prof. (Dr.) B.K Sarker 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh.



ORIGINAL
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पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India
विज्ञान के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design



 भारत सरकार
 शिक्षा विभाग



ORIGINAL
Form No. CD-1 (Rev. 10-1-2017)



पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India
विजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design

विजाइन नं. / Design No. 4311653-001
तारीख / Date 20/09/2024
पारस्परिकता तिथि / Reciprocity Date
देश / Country

प्रमाणित किया जाता है कि संलग्न की गई विजाइन नं. AI BASED SCIENTIFIC CALCULATOR के संबंधित है, जो पंजीकरण, श्रेणी 18-01 में Potti Srinamulu Chaitanyadi Mallikarjuna Rao College Of Engineering And Technology के नाम में जयपुर, राजस्थान और तमिल में करा गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 18-01 in respect of the application of such design to AI BASED SCIENTIFIC CALCULATOR in the name of Potti Srinamulu Chaitanyadi Mallikarjuna Rao College Of Engineering And Technology.

विजाइन अधिनियम, 2000 तथा विजाइन नियम, 2001 के अन्वयेन कृतवर्ती के अनुसार है।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि
Date of issue 13/11/2024



नियंत्रक जनरल ऑफ पेटेंट्स, डिजाइन्स एंड ट्रेड मार्क्स
Controller General of Patents, Designs and Trade Marks

नियंत्रक जनरल ऑफ पेटेंट्स, डिजाइन्स एंड ट्रेड मार्क्स द्वारा जारी किया गया है। डिजाइन का स्वतंत्रता अधिकार की शर्तों में 12 वर्षों के लिए रखा जाएगा।
The copyright shall be for a period of twelve years from the date of registration, and may, under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for sale in legal proceedings or for obtaining a patent elsewhere.



ORIGINAL
आर. पी. कार्ड नं. - 195570



पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India
विजायन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

विजायन नं. / Design No. 431889-001

तारीख / Date 25/06/2024

आवश्यकता तारीख / Necessity Date*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रती में दर्जित विजायन के AI BASED SOLAR ENERGY MONITORING DEVICE में दर्जित है, यह पंजीकरण, श्रेणी 13-04 में Prof. Prafulla Kumar Manoharan के नाम में प्रस्तुत किया और तारीख में पर किया गया है।


Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 13-04 in respect of the application of such design to AI BASED SOLAR ENERGY MONITORING DEVICE in the name of Prof. Prafulla Kumar Manoharan.

विजायन अधिनियम, 2000 तथा विजायन नियम, 2001 के अन्वयेन प्रदान की गई अनुमति है।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि
Date of issue 25/06/2024




प्रमुख निदेशक
Controller General of Designs, Mumbai and Delhi Office

प्रमाणित किया जाता है कि यह प्रती, किसी प्रारंभिक प्रती में दर्जित है और इसका नाम: विजायन का आविष्कारण प्रमाणित की तारीख में एक वर्ष के लिए प्रती प्रमाणित है।
This copy is for the use of the public and is not to be used for any other purpose. The design is registered in the name of the inventor and is not to be used for any other purpose.
The copy is for the use of the public and is not to be used for any other purpose. The design is registered in the name of the inventor and is not to be used for any other purpose.



पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India
डिजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design

डिजाइन नं. / Design No. 431842-001
तारीख / Date 26/08/2024
आवृत्ति/काल तिथि / Reciprocity Date :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में उल्लिखित डिजाइन को **AI AND BLOCKCHAIN BASED STORAGE DEVICE** के संबंध में, का पंजीकरण, दिनांक 14-02 में 1.Dr. Suman Sharma 2. Dr. Sharda Tiwari 3.Priya Kumari के नाम में उल्लिखित संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to **AI AND BLOCKCHAIN BASED STORAGE DEVICE** in the name of 1.Dr. Suman Sharma 2. Dr. Sharda Tiwari 3.Priya Kumari.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अन्वयेन प्रकाशनी है अनुसूच में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि /
Date of issue 21/11/2024



सचिव/जनरल, डिजाइन और ट्रेड मार्क्स
Controller General of Designs and Trade Marks

*यह प्रमाणित किया जाता है कि डिजाइन अधिनियम, 2000 के अन्वयेन प्रकाशनी है अनुसूच में।
*This is certified that the design is published in accordance with the provisions of the Designs Act, 2000.

The independent date of issue of which has been a design and the name of the country. Copyright in the design will subsist for ten years from the date of registration, and may, under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining a patent thereon.



ORIGINAL
DPD ID Card No. - 84588



पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India
विशेष के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

विशेष नं. / Design No. 430535-001
तारीख / Date 16/06/2024
पंजीकृत तिथि / Registration Date
देश / Country

प्रमाणित किया गया है कि संलग्न प्रति में दर्जित विशेष के AT BASED FACIAL RECOGNITION DEVICE से संबंधित है, का पंजीकरण, केस 14-02 में 1.Dr. Nitish Pathak 2. Dr. Neelam Sharma 3.Dr. Saurabh Chandra 4.Prof. Praveen Malik 5.Dr. Arpana Chaturvedi 6.Dr. Abhishek Bhattacharya 7.Dr. Soumi Dutta के नाम से प्रस्तुत संख्या और खरोख से कर दिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to AT BASED FACIAL RECOGNITION DEVICE in the name of 1.Dr. Nitish Pathak 2. Dr. Neelam Sharma 3.Dr. Saurabh Chandra 4.Prof. Praveen Malik 5.Dr. Arpana Chaturvedi 6.Dr. Abhishek Bhattacharya 7.Dr. Soumi Dutta.

विशेष अधिनियम, 2000 तथा विशेष नियम, 2001 के अधीन प्रारम्भ के अनुसार है।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

पंजीकृत की तिथि
Date of Issue 15/11/2024




सचिव, डिजाइन और ट्रेडमार्क
Controller General of Designs and Trade Marks

प्रमाणित किया गया है कि संलग्न प्रति में दर्जित विशेष के AT BASED FACIAL RECOGNITION DEVICE से संबंधित है, का पंजीकरण, केस 14-02 में 1.Dr. Nitish Pathak 2. Dr. Neelam Sharma 3.Dr. Saurabh Chandra 4.Prof. Praveen Malik 5.Dr. Arpana Chaturvedi 6.Dr. Abhishek Bhattacharya 7.Dr. Soumi Dutta के नाम से प्रस्तुत संख्या और खरोख से कर दिया गया है।

The design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to AT BASED FACIAL RECOGNITION DEVICE in the name of 1.Dr. Nitish Pathak 2. Dr. Neelam Sharma 3.Dr. Saurabh Chandra 4.Prof. Praveen Malik 5.Dr. Arpana Chaturvedi 6.Dr. Abhishek Bhattacharya 7.Dr. Soumi Dutta.



ORIGINAL
आम. प्र. कार्ड नं. - 184550



पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India
विजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

विजाइन नं. / Design No. 430835-DE1
तारीख / Date 16/06/2024
पारस्परिकता तारीख / Reciprocity Date
देश / Country

प्रमाणित किए गए हैं कि संलग्न प्रति में उचित विजाइन से AI BASED FACIAL RECOGNITION DEVICE में संश्लेषित है, का पंजीकरण, क्लास 14-02 में 1.Dr. Nitish Pathak 2. Dr. Neelam Sharma 3.Dr. Saurabh Chandra 4.Prof. Praveen Malik 5.Dr. Arpana Chaturvedi 6.Dr. Abhishek Bhattacharya 7.Dr. Soumi Dutta के नाम से प्रस्तुत किया और जारी किया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to AI BASED FACIAL RECOGNITION DEVICE in the name of 1.Dr. Nitish Pathak 2. Dr. Neelam Sharma 3.Dr. Saurabh Chandra 4.Prof. Praveen Malik 5.Dr. Arpana Chaturvedi 6.Dr. Abhishek Bhattacharya 7.Dr. Soumi Dutta.

विजाइन अधिनियम, 2000 तथा विजाइन नियम, 2001 के अन्वयेन व्यवहारी के अनुसार है।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि
Date of issue 15/11/2024



सचिव/जनरल, पेटेंट, डिजाइन और ट्रेड मार्क्स
Controller General of Patents, Designs and Trade Marks

नियमितता के लिए जारी की गई है, किसी प्रकृति की नहीं है और इस प्रकार विजाइन का आविष्कार प्रमाणित की जाती है यह जारी के दिन से विजाइन (Design) अधिनियम, 2000 के अन्वयेन जारी की गई है और इस अधिनियम के अन्तर्गत जारी की गई है।
The independent date of issue which has been assigned to the design of the country. Copyright in the design will subsist for ten years from the date of Registration and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for legal proceedings or for obtaining compensation abroad.



पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India
 डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन नं. / Design No. 429322-001
 तारीख / Date 04/06/2024
 प्राप्ति/सद्विधि तारीख / Receipt/entry Date
 देश / Country

प्रमाणित किया गया है कि संलग्न प्रति में वर्णित डिजाइन को MACHINE FOR MAKING NANOPOWDER IMPREGNATED CLOTHS के संबंध में, या पंजीकरण, वर्ग 15-06 में 1.Aadhya Paul 2. Palani P 3.Mohammad Muhiuddin 4.Mohammad Rizwanur Rahman के नाम में उपरोक्त संकेत और अंशों में का रजिस्ट्रार है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-06 in respect of the application of such design to MACHINE FOR MAKING NANOPOWDER IMPREGNATED CLOTHS in the name of 1.Aadhya Paul 2. Palani P 3.Mohammad Muhiuddin 4.Mohammad Rizwanur Rahman.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अन्वयेन प्रवर्तनी के अनुसार है।
 In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

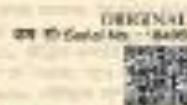
जारी करने की तिथि
 Issued Date 08/11/2024



महानिदेशक डिजाइन और ट्रेड मार्क्स
 Controller General of Designs and Trade Marks

नाराज/अन्य व्यक्ति, यदि कोई हो, किसी प्रतिलिपि में नहीं है और यदि वह ऐसा करे, डिजाइन का नाराज/अन्य व्यक्ति के अधिकारों को उल्लंघन करेगा और उसे अपने अधिकारों के उल्लंघन के लिए उत्तरदायी होगा।
 No unauthorized person, if any, shall make a copy of the design and if he does so, he shall be liable for infringement of the rights of the proprietor of the design and he shall be liable for damages.

The unauthorized use of any design which has been registered in the name of the proprietor, Copyright in the design will extend for ten years from the date of registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not to be used for legal proceedings or for obtaining registration abroad.



पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India
डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन नं. / Design No. 430533-001
तारीख / Date 15/06/2024
परस्परिकृत तारीख / Reciprocity Date
देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में दर्शाया डिजाइन नं. AI BASED PLANT STRESS DETECTING DEVICE से संबंधित है, का पंजीकरण, तारीख 15-03 में 1.Dr Kumari Sunita 2. Prof. (Dr.) B.K Sarkar 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh के नाम में अर्जित किया और तारीख से का दिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to AI BASED PLANT STRESS DETECTING DEVICE in the name of 1.Dr Kumari Sunita 2. Prof. (Dr.) B.K Sarkar 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अन्तर्गत कानूनी रूप से अनुमति है।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तारीख / Date of Issue 15/11/2024



प्रमुख निदेशक, डिजाइन और ट्रेड मार्क्स
Controller General of Designs and Trade Marks

प्रमाणित किया जाता है कि प्रति में दर्शाया डिजाइन नं. 430533-001 में दर्शाया डिजाइन नं. AI BASED PLANT STRESS DETECTING DEVICE से संबंधित है, का पंजीकरण, तारीख 15-03 में 1.Dr Kumari Sunita 2. Prof. (Dr.) B.K Sarkar 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh के नाम में अर्जित किया गया है।
The copy of the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to AI BASED PLANT STRESS DETECTING DEVICE in the name of 1.Dr Kumari Sunita 2. Prof. (Dr.) B.K Sarkar 3.Prof.(Dr.) Reena Singh 4.Mr. Pawan Kumar Singh.



ORIGINAL
क्रम सं. Serial No. : 184895



पेटेंट कार्यालय, भारत सरकार **The Patent Office, Government Of India**
डिजाइन के पंजीकरण का प्रमाण पत्र | **Certificate of Registration of Design**

डिजाइन सं. / Design No. 427992-001

तारीख / Date 23/08/2024

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **IOT BASED BIOMETRIC-ENABLED SMART BANKING LOCKER SYSTEM** से संबंधित है, का पंजीकरण, श्रेणी 06-04 में Potti Sriramulu Chalavadi Mallikarjuna Rao College Of Engineering And Technology के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 06-04 in respect of the application of such design to **IOT BASED BIOMETRIC-ENABLED SMART BANKING LOCKER SYSTEM** in the name of Potti Sriramulu Chalavadi Mallikarjuna Rao College Of Engineering And Technology.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 13/11/2024
Date of Issue :



(Signature)
नरेश की शर्मा

प्रमुख पेटेंट, डिजाइन और ट्रेडमार्क अधिकारी
Controller General of Patents, Designs and Trade Marks

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देय का योग: डिजाइन का स्वामित्व पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निर्देशों के अधीन, पांच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रकार एक का उपयोग विभिन्न कार्यवाहीय प्रयोजनों के लिए किया जा सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning.viz., classrooms, laboratories, computing equipment, etc.

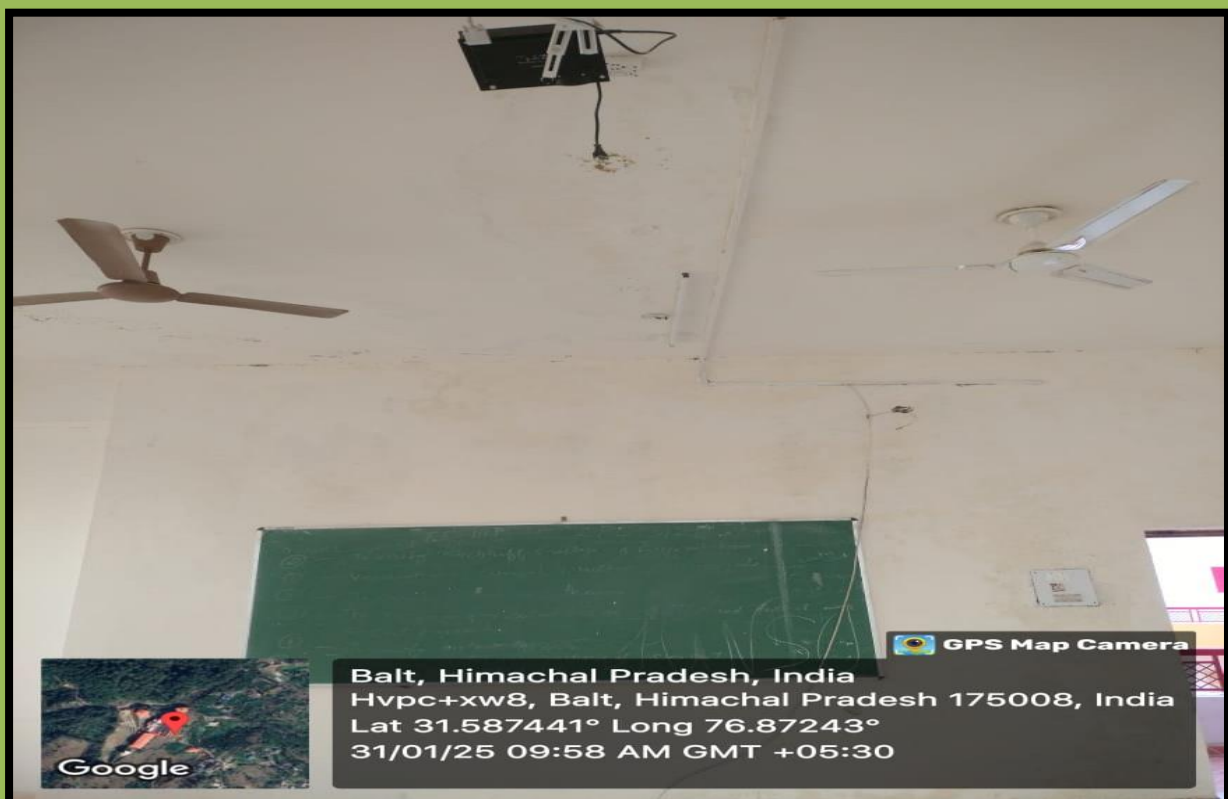
With consistent and enhanced ambient infrastructural support, T.R.Abhilashi Memorial Institute of Engineering and Technology has been actively working to raise the calibre of instruction and learning. The Institute is equipped with state-of-the-art infrastructure, facilities, and teaching-learning equipment. Through the development, preservation, transfer, and application of knowledge using up-to-date and suitable technology, which are available in all laboratories, workshops, libraries, classrooms, seminar halls, and open auditoriums, the institute constantly aspires to perfection. The institute boasts a sufficient number of big classrooms that are well-furnished, well-ventilated, and aerated with natural light. Two conference rooms with all the latest amenities offer a perfect and cozy setting for significant gatherings and conversations to foster a business atmosphere. Complete with audio and video equipment, the conference rooms offer a suitable setting for preparing students for business procedures. Boys' and girls' separate common areas with equipment for a variety of indoor games are provided. To accommodate the needs of many specialties, the institute has 23 laboratories in total.

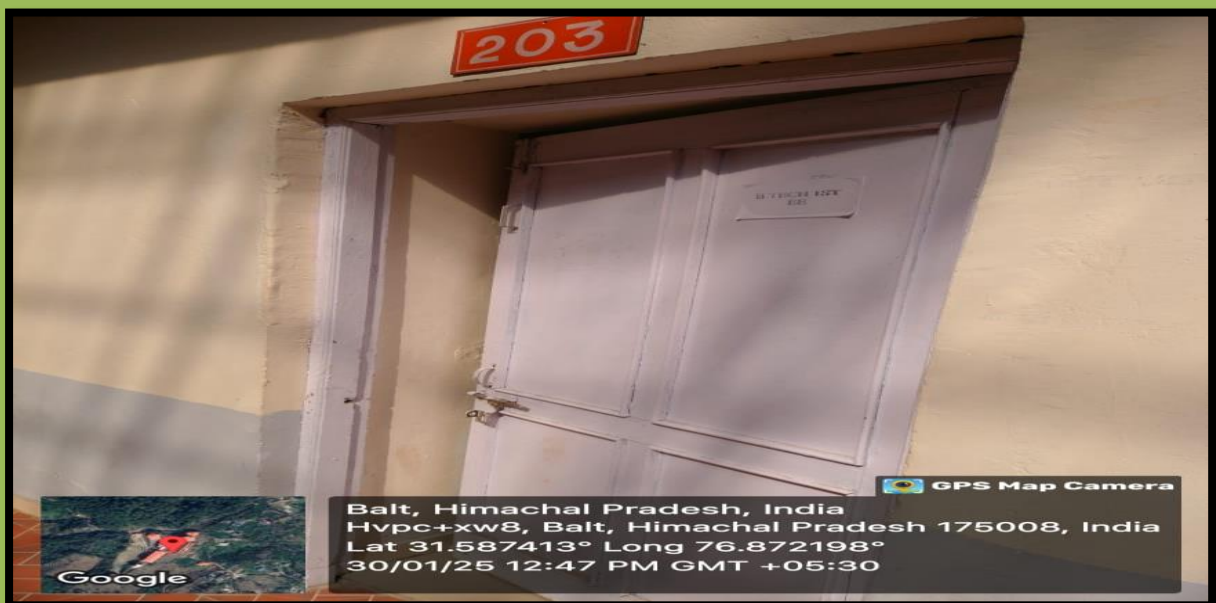
Sr. No.	Type of Facility	No.	Description of the facility
1	Total no. of Class Room	11	Good acoustic conditioned, ergonomically designed classrooms with green boards.
2	seminar halls	01	Projector.
3	Tutorial Room	04	Tutorials Rooms can be converted to class rooms and vice-versa according to availability of rooms.
4	Total No. of Labs	30	Equipped with Multi Sets of Equipment's with Wi-Fi connection
5	conference rooms	02	LCD, Projector, LAN, Smart Board.
6	Swayam Prabha Channel	01	Projector
8	No of computers for students use	175	Equipped with all necessary software's

Computing Facilities: 4.1.1

Sr. No.	Description	Quantity
1.	H.P system(4GB DDR3 RAM, 250 GB HDD, Intel i5 2400 cpu @ 250 GHz Processor) Available for students	125
2.	Liebert On-Line UPS 80 KVA	01
3.	Projectors	05
4.	Printers	09
5.	Other Desktops	50
6.	Software Microsoft	01
7.	CCTV Camera	59

Class Rooms









4.1.2 The institution has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (Gymnasium, Yoga Centre, Auditorium, etc.)

Response:

Student Welfare takes care of all sports and cultural activities for the students. The diverse and multicultural environment at T R Abhilashi Memorial Institute of engineering and technology provides students various co-curricular activities for their versatile development, excelling in all fields and to bring a balance between academics and co-curricular activities by joining various sports and cultural clubs. In pursuit of these activities, the Institute has sports field for cricket, basketball, kabaddi, and scot and guide activities. To achieve this goal the institute has a prime focus on the Sports activities. Yoga sessions are regularly conducted for the students and staff. Cultural festival is conducted every year in the month of February and invites students from other Universities/colleges. Encouragement for Participation: Attendance is provided to the students who represent the Institute at Inter-University, National and International competitions. Travelling and DA is provided for the student to participate in the events. Sports material and uniform is provided to the teams to participate in the events. Annual Sports day is celebrated, and meritorious sports persons of the institute are honoured.

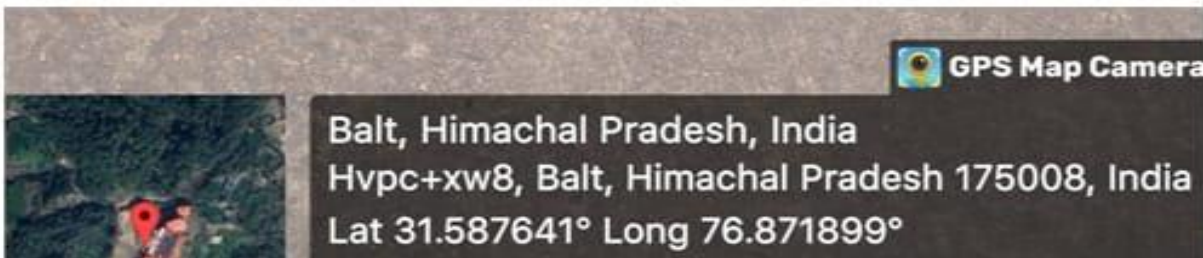
4.1.2 Additional Information:

Sports, Games & Gymnasium Facilities

S. No.		Nos	Area	User Rate
1	Badminton Court	1	13.4m x 5.18m = 69.41	50
2	Volleyball courts	1	18m x 9m =162 sq. mtr	50
3	Cricket ground	1	20 mtr circle	50
4	Kabaddi	1	13m x 10m= 130 sq. mtr	50
5	Discuss Throw	1	2.50 mtr circle	30
6	Long Jump pit	1	40 mtr x1. 22 m	20
7	Kho-kho	1	26m x17m= 442 sq. mtr	50
8	100/200Mtr Track	1	100 mtr circle	50
9	T.T. table	1	2.74 x1.52 m	100

Sr. No.	Name of Facility	Area / Size	Year of Establishment
1	Multipurpose Hall	140 sq m	2012
2	Yoga Hall	169 Sq.m	2011
3	Sports Room	52 Sq.m	2012
4	Open Auditorium	550 Sq.m	2009
5	Gymnasium	55Sq.m	2011

TT Sports



Volley Ball



Open Auditorium



Sports Room



Gymnasium



Sports Ground



Tech Fest



Volley Ball



Scout And guide



Badminton and Cricket



Yoga





4.1.3 Response

Large academic and administrative edifices with open corridors and large playground in the campus of T R Abhilashi Memorial Institute of Engineering and Technology invite academics and scholars to indulge in creative and innovative activities and prepare students to cultivate immensity of purpose. The campus provides for the faculty and students a serene ambience to learn, teach, acquire skills and develop their personality. The Institute's learning hub is the one Central Library and one digital library. The Computer Centre is critical in providing ICT facilities to institute faculty, students, and employees. The campus houses are well ventilated spacious hostels for girls and boys separately. We have ample parking for staffs, students, visitors separately with good road lanes and signage boards all over the campus. The Institute has its own Big Open Auditorium to hold Institute functions and activities. To keep the campus clean and green, the institute actively adheres to environmentally friendly methods. Solar lights and LED tubes have been installed at different locations in the campus to cut down its electricity costs.

General Ambience

Administrative Block





 GPS Map Camera

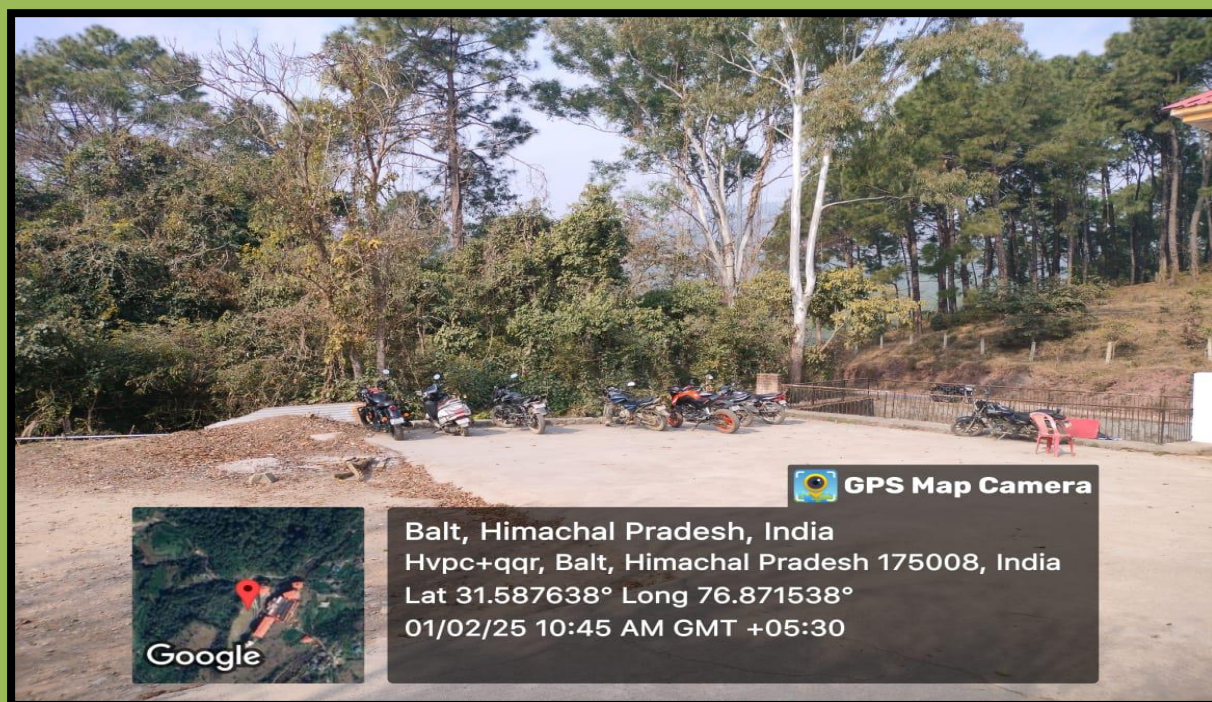
Balt, Himachal Pradesh, India
Hvpc+xw8, Balt, Himachal Pradesh 175008, India
Lat 31.587667° Long 76.871884°
30/01/25 12:10 PM GMT +05:30



 GPS Map Camera

Balt, Himachal Pradesh, India
Hvpc+xw8, Balt, Himachal Pradesh 175008, India
Lat 31.587436° Long 76.872068°
01/02/25 10:43 AM GMT +05:30

Bike parking



Boys hostel



LED Lights



Generator



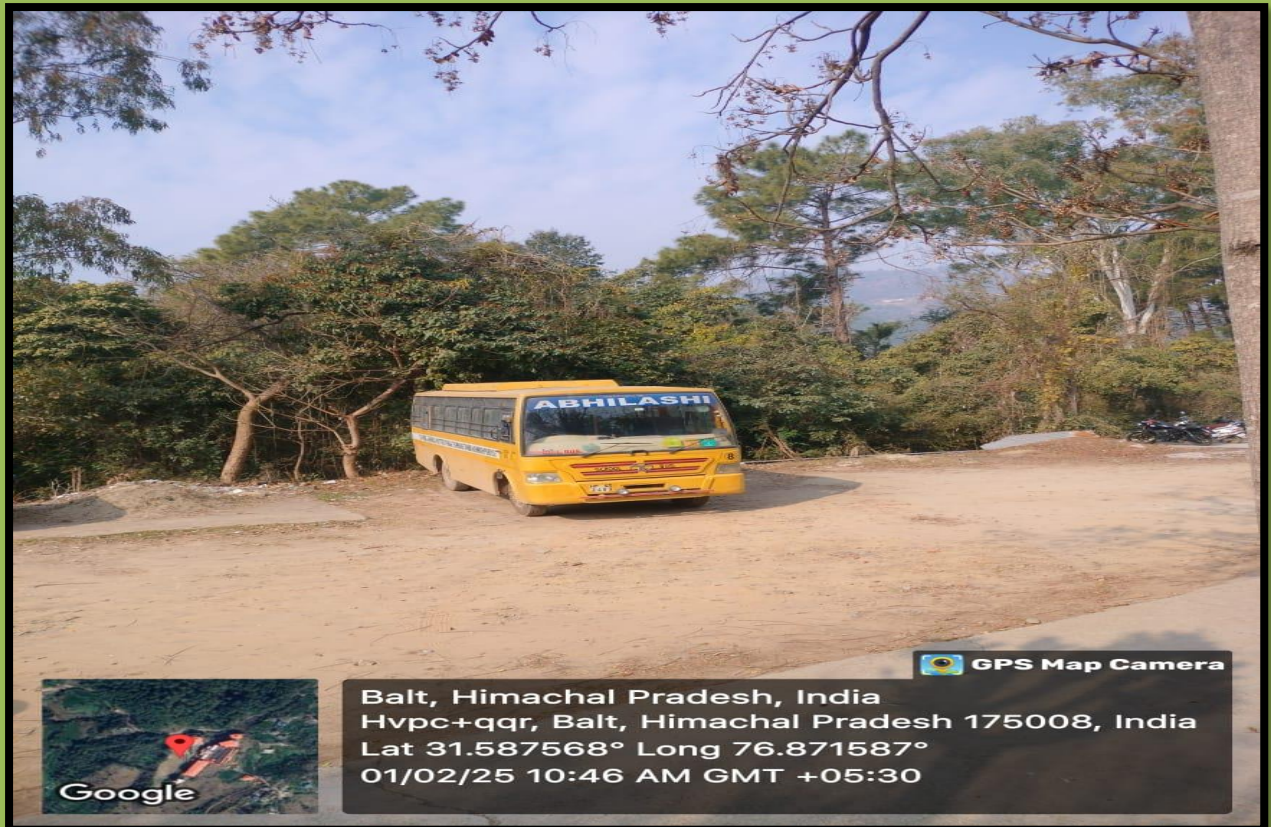
UPS



Car Parking



Bus parking



Canteen



Solar Lights



Girls Hostel



Solar Greaser



4.2. Library as a learning recourse

4.2.1

TRAMIET's library consists of online journals and magazines of different subjects ebooks research reports etc are available on delnet it has one section for reading newspapers.

Library is a place where people compulsory in reading books visit very often.

It is place where large no of books of various subject are kept people of every age group can find books magazine Journals e-books e journals etc. of their interest different kind of software are also found in library. The library of TRAMIET is full of various books of different Engineering subjects - Civil, Electrical, CSE, Mechanical, ECE Reference books etc. TRAMIET library has 14445 books in which 4158 are the title books It is equipped with over 14445 volumes of books ,including text books ,reference books and general reading materials . The library subscribes to 200+ national and internationals journals in digital format, and 20+in print format .Additionally, it offers access to more than 10000 e-books and is subscribed to prominent online databases. The library is housed in a spacious building with a seating capacity of 100.It is equipped with modern facilities, including high speed internet.

Our library is automated partially and we use integrated library management software Delplus Delnet most of our library tasks such as data entry ,issue return ,renewal etc are successfully implemented .Unique barcodes are assigned to the books as well as to the users.

Details :

- ❖ ILMs Software (DELNET &DELPLUS)
- ❖ Nature of automation: Partially Implemented.
- ❖ Version : DELPLUS (2.0)
- ❖ Year of automation: 2022.

4.2.2 The Institution has subscription for the following e- resources

1. *E Journals*
2. *E-books*
3. *Databases*
4. *Remote access to e-recourses*

Response: Any 4 of the above

Number of Books	14445
Numbers of Titles	4158
Numbers of Journals	30
Magazine	8
Newspapers	6
Total seating Capacity	100



DELNET



Developing Library Network
New Delhi
www.delnet.in

Certificate of Appreciation

proudly presented to

**T .R. Abhilashi Memorial Institute of
Engineering & Technology Library,
Dist. Mandi, Himachal Pradesh
(IM - 2797)**

for being an active data contributor by sharing their
12307 library records for enhancing

**DELNET Best Practices - Data Sharing and Accessibility
2022-23 (1st update)**

for helping the students, faculty, researchers and scholarly community of
their own Institute and also of DELNET Member-Institutions.

We are much appreciative of the best efforts of
Ms. Anupama Vaidya, Sr. Librarian and entire library staff.

Library Code assigned : hpTRAMIET
Next Data Updation Required: March 2023

December 31, 2022



Dr. Sangeeta Kaul
Director
DELNET, New Delhi



DELNET
Developing Library Network
New Delhi
www.delnet.in



Certificate of Membership

This certifies that

***T. R. Abhilashi Memorial Institute of
Engineering & Technology
District Mandi***

is an Institutional Member of

DELNET – Developing Library Network

and their bonafide Faculty, Students, Researchers, Scholars and
Officials are entitled to all benefits and privileges of access to
DELNET Resources and Services.

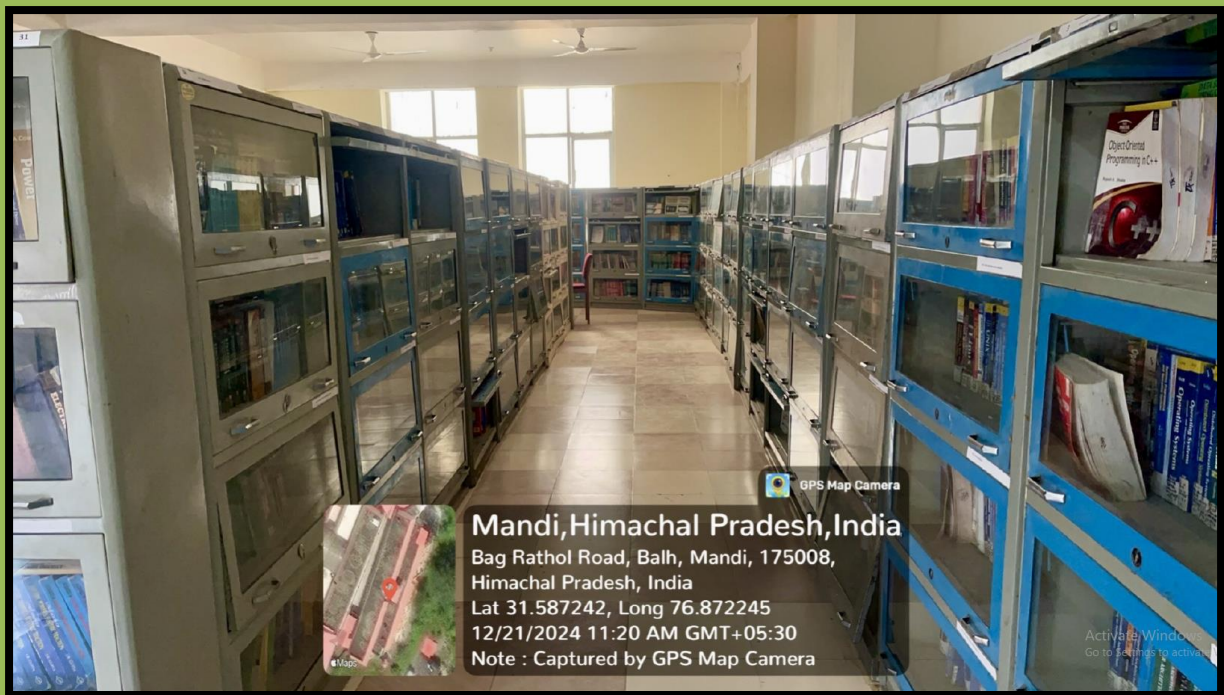
Membership Number ***IM – 2797*** has been renewed and next
renewal is due on January 10, 2025



Date of Issue: January 12, 2024

Dr. Sangeeta Kaul
Director
DELNET, New Delhi





Criterion 5-Student Support and Progression

Key Indicator 5.1 Student Support

Item No.	Particulars						
5.1.1	Average percentage of students benefitted by scholarships and freeships provided by the Government during the last five years.						
	5.1.1.1	No. of students benefitted by scholarships and freeships provided by the Government year wise during the last five years					
		Year	2019-20	2020-21	2021-22	2022-23	2023-24
		Number	47	43	51	58	63
	Data requirement year wise: Name of the Scheme: 1 Central Sponsored Post Matric Scholarship Scheme For Sc Students 2. Centrally Sponsored Post Matric Scholarship Scheme For St Students - Himachal Pradesh 3. Pm Yashasvi Post Matric Scholarship For OBC, EBC & DNT Students Himachal Pradesh 4. Post Matric Scholarship for Student with Disabilities <ul style="list-style-type: none">No. of students benefitted/benefiting Formula: <div>Percentage per year = $\frac{\text{No. of students benefitted by scholarships and freeships by government}}{\text{No. of students}} \times 100$</div> <div>Average percentage = $\frac{\sum \text{Percentage per year}}{5}$</div> <div>Average percentage = $15.87+17.55+20.81+18.29+17.11/5=17.92$</div>						
5.1.2	Average percentage of students benefitted by scholarships, freeships etc. provided by the institution/non-government agencies during the last five years						
	5.1.2.1	Total No. of students benefitted by scholarships, freeships, etc. provided by the institution/non-government agencies year wise during the last five years					
		Year	2019-20	2020-21	2021-22	2022-23	2023-24
		Number	NIL	01	02	01	NIL
	Data requirement for last five years: <ul style="list-style-type: none">Name of the scheme with contact informationNo. of students benefitted/benefiting Formula: <div>Percentage per year = $\frac{\text{Total No. of students benefitted by scholarships and freeships provided by the institution or non-government agencies}}{\text{Total No. of students}} \times 100$</div>						

	<div>Total No. of students</div> <div><div>= 0%,.40%,.81%, .31%, 0%</div><div>Average percentage = $\frac{\sum \text{Percentage per year}}{5}$</div><div>=0.3%</div></div>																	
5.1.3	<div>Capacity building and skills enhancement initiatives taken by the institution including the following:</div> <div><div>(1) Soft skills</div><div>(2) Language and communication skills</div><div>(3) Life skills (Yoga, physical fitness, health and hygiene)</div><div>(4) ICT/computing skills</div></div> <div>Options:-</div> <div><div>(a) All of the above.</div><div>(b) 3 of the above <input checked="" type="checkbox"/></div><div>(c) 2 of the above</div><div>(d) 1 of the above</div><div>(e) None of the above</div></div> <div>Data requirement:</div> <div><div><div>Name of the capacity building and skills enhancement initiatives</div><div>Year of implementation</div><div>No. of students enrolled</div><div>Name of the agencies involved with contact details</div></div></div> <div>Attach as Annexure(s)- ANN-5.1.3</div> <div>www.tramiet.in (Mandatory Disclosure)</div>																	
5.1.4	<div>Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years</div> <div><div>5.1.4.1</div><div>No. of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during the last five years</div><table><tr><td>Year</td><td>2019-2020</td><td>2020-2021</td><td>2021-2022</td><td>2022-2023</td><td>2023-2024</td></tr><tr><td>Number</td><td>81</td><td>77</td><td>94</td><td>73</td><td>84</td></tr></table></div> <div>Formula:</div> <div><div>Percentage per year = $\frac{\text{No. of students benefitted by guidance for competitive examination and career counselling offered by the institution}}{\text{No. of students}} \times 100$</div><div>Average percentage = $\frac{\sum \text{Percentage per year}}{5}$</div><div>Average percentage = 100</div></div>						Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Number	81	77	94	73	84
Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024													
Number	81	77	94	73	84													
5.1.5	<div>The Institution has a transparent mechanism for timely redressal of students' grievances including sexual harassment and ragging cases.</div>																	

	<p>(1) Implementation of guidelines for statutory/regulatory bodies.</p> <p>(2) Organization wide awareness and undertakings on policies with zero tolerance</p> <p>(3) Mechanism for submission of online/offline students' grievances</p> <p>(4) Timely redressal of the grievances through appropriate committees</p> <p>Options:</p> <p>(A) All of the above <input checked="" type="checkbox"/></p> <p>(B) 3 of the above</p> <p>(C) 2 of the above</p> <p>(D) 1 of the above</p> <p>(E) None of the above</p> <p>Attach as Annexure(s)-Attached 5.1.5</p> <ul style="list-style-type: none"> Details of students grievances redressal policy including sexual harassment and ragging cases, No. of cases received and redressed. Minutes of the meetings of Students' Redressal Committee, Prevention of Sexual Harassment Committee and Anti Ragging Committee. Any additional information. www.tramiet.in (Mandatory Disclosure)
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Key Indicator 5.2 Students' Progression

Item No.	Particulars					
5.2.1	Average percentage of placement of outgoing students during the last five years					
5.2.1.1	No. of outgoing students placed year wise during the last five years					
	Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
	Number	22	29	18	20	10
	<p>Formula:</p> $\text{Percentage per year} = \frac{\text{No. of outgoing students placed} \times 100}{\text{No. of outgoing students}}$ <p>=27.16%, 37.66%, 19.19%, 27.39%, 10.71%</p> <p>Average percentage = $\frac{\sum \text{Percentage per year}}{5} = 24.42\%$</p>					
5.2.2	Average percentage of students progressing to higher education during the last five years					
5.2.2.1	No. of outgoing students' progression to higher education					
	Data requirement:					
	No. of students proceeding from					

- UG to PG:

year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Number	0	3	7	4	2

Formula:

$$\text{Percentage per year} = \frac{\text{No. of outgoing students progressing to higher education}}{\text{Total No. of final year students}} \times 100 =$$

$$= 0, 3.89\%, 7.44\%, 5.47\%, 2.38\%$$

5.2.3 Average percentage of students qualifying in State/National/International level examinations during the last five years (e.g.: JAM/NET/SLET/GATE/GMAT/CAT/GPAT/GRE/TOEFL/Civil Services/State Government examinations, etc.)

5.2.3.1 No. of students qualifying in State/National/International level examinations (e.g.: JAM/NET/SLET/GATE/GMAT/CAT/GPAT/GRE/TOEFL/Civil Services/State Government examinations, etc.) year wise during the last five years

Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Number	NIL	NIL	01	NIL	01

5.2.3.2 No. of students appearing in State/National/International level examinations (e.g.: JAM/NET/SLET/GATE/GMAT/CAT/ GPAT/ GRE/ TOEFL/Civil Services/ State Government examinations) year wise during the last five years

Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Number	27	22	18	14	11

No. of students selected to

- GATE=2
- GRE=0
- TOEFL=0
- Civil Services=0
- State Government examinations=19
- Others (Specify)

Formula:

$$\text{Percentage per year} = \frac{\text{No. of students qualifying in State, National, International level examinations}}{\text{No. of students appeared for the State, National, International level exams.}}$$

$$= 40.74\%, 27.27\%, 11.11\%, 0\%, 0\%$$

$$\text{Average percentage} = \frac{\sum \text{Percentage per year}}{5} = 15.82\%$$

Key Indicator 5.3 Students' Participation and Activities

Item No.	Particulars					
5.3.1	No. of awards/medals for outstanding performance in sports/cultural activities at University/State/National/International level (award for a team event should be counted as one) during the last five years.					
5.3.1.1	No. of awards/medals for outstanding performance in sports/cultural activities at University/State/National/International level (award for a team event should be counted as one) year wise during the last five years.					
	Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
	Number	0	0	0	1	0
	Data requirement for last five years: <ul style="list-style-type: none"> • Name of the award/medal • University/State/National/International • Sports/Culture 					
5.3.2	Institutions facilitates students' representation and engagement in various administrative, co-curricular and extra-curricular activities (student council/students representation on various bodies as per established processes and norms)					
	<p>T.R. Abhilashi Memorial Institute of Engineering and Technology gives utmost importance on involvement of students in various activities and functions of the institute. It also focuses on educating young women and training them in responsibility and accountability, enabling them to take their positions in a competitive world. Students are encouraged to participate in activities beyond their academic curricula so that they become confident and well-balanced individuals. There are several student societies that cater to a range of interests encouraging the students to hone their unique talents and managerial skills. Besides representing the institute at different colleges and Universities, they also organize competitive events and showcase their talents in the various in-house events organized within Campus.</p> <p>The Students' Council is the representative group of students that works within the framework. The Students' Council aims to promote the interests of the institute and the welfare of the students. The functions of the Students' Council include making suggestions to appropriate authorities of the institute regarding academic and other endeavours. Further, the Council seeks to facilitate an environment that promotes constructive communication, mutual friendship and respect amongst the students with the objective of creating an environment which fosters holistic and integral development of the students. Amongst its activities, the Council ensures student representation on various committees, setup by the institute to promote academic and other pursuits. Student representatives are members on each of these committees, which perform significant functions, including the following:</p> <p>1. IQAC committee – The Students' Council contributes in quality assurance in</p>					

	<p>academic and Administrative processes. Many suggestions given by the students are adopted after analysis and acted upon.</p> <p>2. Student Placement Committee – The Students’ Council assists placement programs of the Institute.</p> <p>3. Cultural and Sports Society – It organizes various inter-college as well as intra-college cultural/sports events.</p> <p>4. Library Committee – functioning and augmentation of library resources.</p> <p>5. Mess Committee- this committee manage the mess and food service at the hostel.</p> <p>6. Students are inducted as members of Red Ribbon Club of the institute.</p> <p>7. Students indulged in the Anti- Ragging Committee of the institution</p> <p>8. Celebration of different days Such as –Teacher’s Day, Engineering Day etc., and Students are indulged as Committee Member.</p> <p>9. Technical Festival TRAMIET- TRAMIET organize technical festival Every year for overall development of students.</p> <p>www.tramiet.in (Mandatory Disclosure)</p>																					
5.3.3	<p>Average No. of sports and cultural events/competitions in which students of the institution participated during the last five years (organized by the institution/other institutions)</p> <table><tr><td>5.3.3.1</td><td colspan="6">No. of sports and cultural events/competitions in which students of the institution participated year wise during the last five years</td></tr><tr><td></td><td>Year</td><td>2019-2020</td><td>2020-2021</td><td>2021-2022</td><td>2022-2023</td><td>2023-2024</td></tr><tr><td></td><td>Number</td><td>22</td><td>0</td><td>0</td><td>23</td><td>25</td></tr></table> <p>Data requirement for last five years:</p> <ul style="list-style-type: none">List of events/competitions <p>Formula:</p> <p><u>No. of sports and cultural events/competitions in which students of the institution participated during the last 5 years</u></p> <p>5</p> <p>=14%</p>	5.3.3.1	No. of sports and cultural events/competitions in which students of the institution participated year wise during the last five years							Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024		Number	22	0	0	23	25
5.3.3.1	No. of sports and cultural events/competitions in which students of the institution participated year wise during the last five years																					
	Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024																
	Number	22	0	0	23	25																

Key Indicator 5.4 Alumni Engagement

Item No.	Particulars
5.4.1	<p>Is there a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services?</p> <p>Alumni Association of TRAMIET is locally registered with in college and no financial support is taken in any respect. Alumni donate books, uniform and semester fee of some poor students. Also they help them in project work and end semester training by guiding. Alumni associations can:</p> <p>Provide financial support: Alumni can donate to the institution's infrastructure development.</p> <p>Offer mentorship: Alumni can advise current students on career choices and professional development.</p> <p>Organize events: Alumni can organize reunions, community service activities, and guest lectures.</p> <p>Share knowledge: Alumni can share their knowledge and expertise with students.</p> <p>Promote the institution: Alumni can promote the institution's achievements and successes through newsletters, social media, and alumni magazines.</p> <p>Strengthen ties: Alumni associations can strengthen the ties between alumni, the community, and the institution. Alumni associations can also help with academic planning, student placements, and career guidance.</p> <p>Attach as Annexure(s)</p> <ul style="list-style-type: none"> • Any additional information. • Paste link for additional information, if any.
5.4.2	<p>Alumni contribution during the last five years (INR in lakhs)</p> <p>Alumni Association of TRAMIET is locally registered with in college and no financial support is taken in any respect.</p>

Criterion VI – Governance, Leadership and Management

Key Indicator - 6.1 Institutional Vision and Leadership

6.1.1 The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

About TR Abhilashi Memorial Institute of Engineering and Technology Tanda:

TR Abhilashi Memorial institute of Engineering and Technology Tanda, Mandi is established by the Genius Educational Society in 2009. The institute is then affiliated to Himachal Pradesh University Shimla and now to Himachal Pradesh Technical University Hamirpur. The campus of the institute is located at Village Balt, PO Tanda Tehsil Balh Distt. Mandi H.P and surrounded by lush greenfields; pine forests thus become an ideal place for study in a clean health-oriented environment. The aforesaid was the forethought for the Genius Educational Society selecting such a beautiful location for the institute. There are several places worth visiting nearby the institute such as Balh Valley, Riwalsar lake, Sundernagar and Mandi towns. The fresh and pollution-free air of this region keeps the minds of the students fresh and help them to concentrate on their studies and beat the crowd.

The management of the Institute, Genius Educational Society, is a pioneer in managing private educational institutions in the state of Himachal Pradesh. Late Sh. Tulsi Ram Abhilashi Ji laid the foundation stone of the Society on May 21, 2001. The students and their parents have put faith in the quality education imparted by efficient and dedicated faculty of institutions managed by Genius Educational Society for the last 24 years. The Society is presently running many educational institutions of basic and technical education in the region. It includes Abhilashi College of Education at Nerchowk, Mandi established in 2003 and running D.El.Ed and B.Ed., Abhilashi College of Pharmacy, Nerchowk, Tehsil Balt, Distt. Mandi from 2006 and onwards admitting students for B. Pharmacy Degree Programme; Abhilashi P.G. Institute of Sciences at Nerchowk, Tehsil Balt, Distt. Mandi offering M.Sc. Courses in Physics, Chemistry and Botany, Abhilashi College of Nursing at Tanda, P.O. Balt, Distt Mandi is imparting education in B.Sc. Nursing, GNM, ANM and Post-Basic B.Sc. Nursing courses and Abhilashi University at Chailchowk, Mandi, is established by the Government of Himachal Pradesh vide “Abhilashi University (Establishment & Regulation) Act, 2014” which impart education in medical,

agricultural, health science, basic science and engineering & management.

Vision

To build a learning environment established on value based academic principles, where in all involved shall contribute effectively, efficiently and responsibly to the national and global community.

Our Mission

- *To provide an environment for achieving excellence in technical education.*
- *To achieve academic excellence in engineering & technology by imparting quality and value-based education.*
- *To inspire our students to become responsible citizens and competent professionals with high ethical values.*
- *To impart quality education through value-based & industry-based curriculum.*
- *To meet the expectations of technical human resources at national and international level.*

Addressing Needs of Society

Equal treatment to all employees and students Education for All Inculcating discipline in the students Creating good citizens for the future.

Institution's Tradition and Values

Traditionally we are an institution which concentrates on academic discipline. Imparting good education to students.

Future

Education for All, Education for the youth, Education for the Future of our Country.

6.1.2 The effective leadership is reflected in various institutional practices such as decentralization and participative management.

Management of TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi H.P is highly committed and dedicated to the service of catering to the contemporary requirements of technical education. The Management gives sufficient freedom to the appointed authorities to function to fulfill the vision and mission of the institute.

All decision making and governance issues are conducted in a transparent and participative manner and the process has proved effective so far. All the Faculties function under the control

of the Director/Principal of the institution. Power relating to the running of department is given to the concerned Head. Heads/Coordinators of the various departments have been delegated powers to take necessary decisions for the proper functioning of the department. At the institute level, there are bodies like SC/ST cell, Women harassment cell, IQAC, Placement, sports cultural Committee, IIC, red ribbon and anti-ragging Committee, etc. which function in a coordinated manner to make decisions with respect their bylaws and HPTU ordinance. Student involvement is ensured through Class Representatives and Student Committees. All decision and policymaking and the strategies to be adopted are taken in the letter and spirit of the vision to strengthen the foundation. TRAMIET upholds the philosophy of participative management and ensures that every stakeholder works in a culture of achieving team goals and a sense of self-responsibility. Though the leadership may appear to be top-down, functionally it is participative at all levels. All stakeholders of the institution viz. students, university, alumni, management, teachers and administration are deeply involved in different activities under the supervision of various statutory/functional authorities. AICTE, DTE, management GES and HPTU are prime administrative bodies.

6.2.1 The institutional Strategic plan is effectively deployed.

To achieve its vision, the Institute has adopted various strategies:

Teaching and Learning:

The TRAMIET is committed to excellence in all aspects of learning, transmission of knowledge and developing skills and most importantly, to encourage free thinking to address complex challenges. There is a team headed by an honorable Principal to review the teaching learning process and conduct an academic audit monthly basis. The department heads crosscheck the lecture plans weekly, and the report is submitted to Principal office.

Research and Development:

The TRAMIET research philosophy deals to conduct quality research, motivate students to make projects and convert them to products, encourage publications in journals of global repute and file patents. The institute regularly conducts workshops, training and sensitization programs, to promote research culture and motivate staff to join different faculty development programs in house and outside the institute.

Library, ICT and Physical Infrastructure / Instrumentation.

The institute is committed towards quality education which can be partly visualized from the high standard laboratories that exist with the purpose of promoting learning through teaching, research, workshops, computing, or studio work. Conventional teaching has been supplemented and augmented by the use of latest technology. ICT enabled classrooms to facilitate teachers to demonstrate problem-solving techniques. The library is well stocked with adequate book titles and Journals in physical and electronic form. These resources allow students and researchers to quality research resources, in their respective areas of research.

Human Resource Management

The TRAMIET is proactive in developing its faculty members to meet the requirements of a modern curriculum through various Faculty Development Programs, training sessions, workshops, conferences and visits to other institutes and frequent interactions with the experts from various fields of specialization. The institute follows a systematic process to ensure the availability of highly specialized human resources.

Industry Interaction / Collaboration

The institute recognizes the importance of providing international, industrial and corporate exposure to its students and faculty. Frequent industry exposure through industrial visits and lectures by industry experts are regular practice.

Admission of Students:

The Institute is under Himachal Pradesh Technical University and admission of the students is done through the centralized counseling by the university itself. The institute constitutes college level committees headed by senior professors which verify the certificates and report university if any discrepancies arise.

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointments, service rules and procedures, etc

The TR Abhilashi Memorial Institute of Engineering and Technology has a vision to become a center of excellence by building a learning environment established on value based academic

principles, where all involved shall contribute effectively, efficiently and responsibly to the national and global community. The Mission of the institute is to provide quality education through a value based & industrial linked curriculum in stress free and green environment. The leadership of the institution is through participative management all the way through structured organizational system. It reviews the institute strategic plan which in turn sets the academic aims and objectives of the institutions and HPTU identifies the financial and recruitment strategies. The organizational structure lends itself to sustaining institutional capacity and educational effectiveness through the involvement of external members in various Committees. The decision-making procedures are made at appropriate levels in the organizational hierarchy. The TRAMIET strictly follows the service rules according to the State Government/Regulatory Bodies norms. The recruitment process is carried out by the selection committee comprising of management representatives, external subject experts decide the worthiness of the candidates by his/her performance in the interview according to the parameters specified. The teaching and non-teaching staff have the benefits as well defined GES policy. The institution follows transparent promotional policies through appraisal forms and through Academic Performance Indicators (API).

As per the UGC guidelines, IQAC Cell, Anti-ragging Cell, Grievance Cell, SC/ST Cell etc. are also in place for the institution. The IQAC keeps regular watch on the quality maintenance and enhancement towards the academics. The course contents are strictly adopted according to Himachal Pradesh Technical University. The curricula are predominantly focusing on job-oriented skills and professional development. Regular student feedback on improving quality of teaching learning process as well as Institutional governance are taken for timely corrections. This feedback is analysed and discussed with concerned faculty in the presence of Head of Department.

There are various committees with well-defined functions that give academic and administrative leadership to the institution. The Institute has formed all statutory committees like Anti Ragging Committee, Sexual Harassment Committee etc. to help students and staff. An optimum level of decentralization is in practice through the autonomous flexibility to the faculty/departments and participative decision-making process. Grievance redressal committee is formed who investigates the matters related to grievances of staff and students. Grievances related to academic and non-academic matters are conveyed through them and the Head of Institute oversees both the above processes. Suggestion/complaint box is kept near the principal

office/Admin office for the same. The Institution has a useful mentoring system in which the interaction between students and teachers proves beneficial for academic achievements and guiding force for their professional growth. The institution has Carrier Guidance Cell for students as government scholarship schemes are extended to the students of the college.

6.2.3 The following are the e-Governance policy for the modules implemented by the institution during the academic year 2019-20 to 2024 - 25:

The following are the Objectives of the TRAMIET e governance policy.

- To implement e-governance policy in proper functioning of the institution.
- Incremental operations in an efficient manner
- Collective accountability and transparency.
- Consecutive growth in the institution's e-administration.
- Facilitate online internal and external communication among the institution's numerous entities
- Access to information in an easier way
- Make the institution globally visible

e-Governance Policy

The institution has a well-defined e-governance policy on Academic, Administration, Student Support, Finance, Examination Library and Website. This document acts as a supporting document to the “Policy on e-Governance of TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi H.P” for rapid and effective adoption of the policy to its benefit. It enlightens the use of e-Government systems in an elaborate manner. Its intended audience includes Management, Academicians and Non-Academicians, Librarians, Accountant, Controller of Examination, Hosting and Operations Teams, and in general any entity that needs to set up and interact with an API based e-Governance system. To provide a simpler and efficient system of governance within the institution, it is decided to adopt and implement e-governance with maximum activities. In higher educational institutions e-Governance has become a significant tool in advanced management.

The institution has already started with e-governance in some aspects of functioning Administration Finance and Accounts, Student Admission and Support, and Examination. Digital and social media assist the institution to promote the events and reach higher chances of

success.

Areas of e-Governance:

For easy accessibility purposes, the policy is divided into various areas of operation. These areas of operation are illustrative, and the institution reserves the right to implement e-governance.

1. Administration:

To provide a hassle free, convenient and smooth process, maximum administration activities of the institution handled with ICT based technology.

2. Finance and Accounts:

For ease of maintaining accounts, the institution is using computer systems with software. The implementation of e-Governance in the Finance and Accounts areas. The Finance and Accounts department is the key department for every organization. The department functions with lots of paper movements besides they are using e- Governance.

Few of the areas are as follows:

Accounting: The institution has been using accounting through MS Excel Sheets.

Emails: Apart from that all the details / workings / Reports are shared through using Email with Internal and external like Auditors, Bankers and Management. Each user of the Accounts department has separate mail Id's for better communication.

Payment to Vendors, Statutory & Others: Payment to vendors and others are done through RTGS / NEFT / All statutory payment like Salary, GST, TDS, Property Taxes are done through Online mode only. No cash or cheques handled.

Tuition fees collection: Online payment provision is made for students paying fees through online mode. All the payments to vendors and Government payment are made through RTGS /NEFT / Net banking. The same basis is followed by all the fees collection done through online banking.

Website: The institute run its website for show its global appearance.

3. Student Admission and support: The Institution has made the decision to conduct admissions enquiries only through Online. The Institution brings out its application form online with acknowledgement. The ragging activities can also be reported through the online

application form from the website.

4. Examination: The examinations of the TR Abhilashi memorial institute held through HPTU. The university examinations are done under CCTV surveillance under monitoring of HPTU remotely. It allows the office of Controller of Examination to do the operations below.

1. Printing of Question papers under CCTV surveillance.
2. Moderation Process Utmost secrecy and confidentiality need to be maintained while handling examinations and work needs to be done with utmost care and caution. The institution Examination Officer supervises the entire process of examination under the guidance of the Principal of the institution.

6.3.1 Faculty Empowerment Strategies

The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff. TRAMIET has adopted a well-framed appraisal system to give incremental benefits to its teaching and non-teaching staff in a very effective manner. The criteria for the annual appraisal of faculty performance is based on the institute mission and on the responsibilities of faculty members which serve the following three pillars:

- Academic Activities.
- Scientific/ Research Activities.
- National and community service

Given that students are the focus of the institutional pedagogical process and in the interest of transparency, students' evaluation of faculty performance is a fundamental element of the appraisal process. Furthermore, conducting research and engaging in studies is among the core functions of a faculty member. Thus, research activities of the faculty member are regarded as an important constituent of the annual evaluation. In addition, faculty members' services to the institution, the community are equally important, given that the Faculty Members By law stipulates that faculty should participate in the activities of committees and government and offer technical contributions inside and outside the institution if required.

The institute has effective welfare measures in place for its teaching and non-teaching staff.

The various welfare schemes are as follows:

- Free transport service from Nerchowk to the TRAMIET for the staff members.
- Financial assistance to attend various conferences and workshops.
- Financial assistance to file patents.
- Child Educational fee Concession of 25% for the staff wards studying in Genius International Public School.
- Maternity & Child Care leaves for One month.

The following facilities are also provided to employees for efficient functioning.

- 24-hour power back up
- Wi-fi-facility
- Computing facility
- Cafeterias
- Identity cards
- Sports facilities.
- Security.

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the 5 last year.

Year	Name of Teachers	Name of Conferences/Workshop attended for which financial support	Name of professional body where workshop is done	Amount of support in (INR)
2024-25	Pankaj Verma	Advancement in A.I: Trends, Tools and Techniques	Govt. Polytechnic Hamirpur	1000
2024-25	Abhay Mahajan	Advancement in A.I: Trends, Tools and Techniques	Govt. Polytechnic Hamirpur	1000
2024-25	Amandeep	Advancement in A.I: Trends, Tools and Techniques	Govt. Polytechnic Hamirpur	1000
2022-23	Ms. Anju Bala	Electric Vehicle Technology	NITTTR Chandigarh	118 Registration
2020-21	Mr. Abhishek Dhawan	Vector Mechanics for Engineers	NITTTR Chandigarh	118 Registration
2019-20	Chetan Sharma	One Week Faculty	TR Abhilashi	100/-

		Development Program on Transferring: Teaching Skills Participant Centered Learning	Memorial Institute of Engg. And Technology Tanda Mandi.	
2019-20	Anshul Saini	One Week Faculty Development Program on Transferring: Teaching Skills Participant Centered Learning	TR Abhilashi Memorial Institute of Engg. And Technology Tanda Mandi.	100/-
2019-20	Geetanjali	One Week Faculty Development Program on Transferring: Teaching Skills Participant Centered Learning	TR Abhilashi Memorial Institute of Engg. And Technology Tanda Mandi.	100/-

6.3.3 Average number of professional development / administrative training Programs organized by the institution for teaching and non-teaching staff during the 5 years.

Title	Date	Organized By
One Day Workshop on Solar PV Technology	11 th November 2019	Enovate LLP(NITTTR Chandigarh), TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi H.P
One Week Faculty Development Program on Transferring: Teaching Skills Participant Centered Learning	28 th Nov. 2019-04 December 2019	TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi H.P
Management and Engineering Prospectives in Covid 19	27/09/2021	Abilashi University Chailchowk, and IQAC, TRAMIET
Workshop on Latest Trends in IT	19/10/2023	Think Next Technology and & IQAC, TRAMIET

Industrial and Technical workshop	28/03/2023	Novem Control & IQAC TRAMIET
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6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programs (FDP) during the last five years (Professional Development Programs, Orientation /Induction Programs, Refresher Course, Short Term Course).

Name	Title	Date	Organized By	Total No.
Mr. Pankaj Verma, Mr. Abhay Mahajan, Mr. Amandeep	Advancement in A.I: Trends, Tools and Techniques	05/08/2024- 10/08/2024	AICTE and Govt. Polytechnic Hamirpur	03
Mr. Sunil Nayak	Universal Human Value	5-7/02/2024	AICTE and HPTU	1
Mrs. Leena Jaiswal	Entrepreneurship & Innovation in Higher Education	14/05/2024	SBS Govt. PG College Pipariya	1
Mr. Pankaj Verma	NEP 2020 Orientation and Sensitization Program on Holistic and Multidisciplinary Education	12/02/2024- 20/02/2024	UGC-MMMTC Center HPU Shimla	1
Mr. Pankaj Verma, Mrs. Pallavi Garg	NEP 2020 Orientation and Sensitization Program on Research & Development	18/03/2024- 27/03/2024	UGC-MMMTC Center HPU Shimla	2
Ms. Geetanjali	AI and Machine Learning	18/01/2023- 22/01/2023	UIT Shimla	01
Mr. Gaurav Sharma	Personality development and soft Skills	29-30 October 2023	ELSTA India	1
Ms. Anju Bala	Electric Vehicle Technology	14/02/2022- 18/02/2022	NITTTR Chandigarh	01

Mr. Pankaj Verma	Inculcating Human Values in Technical Education	18 October 2021-22 October 2021	AICTE	01
Mr. Shakti Singh, Mr. Rajkumar, Mr. Naveen Kumar	CNC Machine operation with CAM	01March 2021- 05 March 2021	Central Institute for Petrochemicals and Technology	03
Mr. Abhishek Dhawan	Vector Mechanics for Engineers	13 Jan. 2020- 17 Jan. 2020	NITTTR Chandigarh	01
Mr. Kartar Singh	Innovation and Intellectual Property Rights filing	1 July 2020	NIT Jalandhar	01
Mr. Abhishek Dhawan	Latest Trends in Civil Engineering	7 th sept.2019	JNGEC Sundernagar	01
Mr. Vijay Guleria	FDP for Student Induction	30 th June 2019-6 July 2019	IIT Mandi and AICTE	01
Mr.Pankaj Verma, Mr. Kartar Singh	Outcome Based Education	04 June 2019	HPTU Hamirpur	02

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

TRAMIET strictly follows the AICTE Regulations on Minimum Qualifications for Appointment of Teachers and other Academic Staff in institute.

The performance of each employee is assessed annually after completion of one year of service. The objective is not only to objectively evaluate the performance as per established norms, but also to identify potential aspects for improvement that can eventually lead to further progress and growth of the employee.

The salient features of the performance appraisal system are as follows:

Teaching Staff

- a) The performance of each faculty member is assessed according to the Annual Self Assessment of the Performance Based Appraisal System (PBAS).
- b) Promotions are based on the PBAS proforma for UGC Career Advancement Scheme (CAS) that is based on the API score.
- c) The institute undertakes a wide range of activities besides academics, for which faculty members are assigned additional duties and responsibilities, which are mostly voluntary. The Institute accords appropriate weightage for these contributions in their overall assessment.
- d) The faculty members are informed well in advance of their due promotion.
- e) The PBAS proforma filled by the Faculty Member is checked and verified by the Heads of Departments, followed by the Dean, Secretary, IQAC and the Director/Principal.
- f) Faculty members whose promotions are due are recommended based on their API score and are required to appear before the screening-cum-selection committee.

Non-Teaching Staff

All non-teaching staff are also assessed through annual confidential reports and annual performance appraisal.

The various parameters for staff members are assessed under different categories i.e. Character and Habits, Departmental Abilities, Capacity to do hard work, Discipline, Reliability, Relations/Co-operation with superiors, subordinates, colleagues, students and public, Power of Drafting (where applicable), efficient organization of documents (in case of Ministerial Staff) and technical abilities (in case of workshop staff).

The comprehensive Annual Confidential Report comprises 32 parameters. Each one of them is graded on a seven-point scale, i.e., Excellent, Very Good, Good, Highly Satisfactory, Satisfactory, Average and Poor. The overall assessment is based on the cumulative grade by the Reporting Officer/HoD, which is then forwarded to the Director by the forwarding officer. On satisfactory performance, all employees are granted promotions and financial upgradation under the ACP Scheme.

The Annual Confidential Report and the Performance Appraisal System has significantly helped in the evaluation of the performance of employees, in motivating them, analyzing their strengths and weaknesses and ensuring better performance.

6.4.1 Institution conducts internal and external financial audits regularly

TR Abhilashi Memorial Institute of Engineering and Technology has established a mechanism for conducting internal and external audits on financial transactions on a yearly basis to ensure financial compliance. The institute has a system in place for both internal and external auditing. As part of the Genius Educational Society, we have our own internal audit mechanism, where an internal audit is an ongoing continuous process in addition to the external auditors, to verify and certify the institute entire Income and Expenditure as well as Capital Expenditure each year.

Qualified Internal members from external resources have been permanently appointed, and a team of staff reporting to them checks and verifies all vouchers for transactions carried out in each fiscal year. Similarly, an external audit is carried out in detail on a yearly basis. Internal and statutory audits of the institutional accounts are performed on a regular basis under the supervision of the society Finance Officer. There have been no major findings or objections raised thus far.

Minor errors of omissions and commissions are corrected / rectified as soon as they are identified by the audit team, and precautionary measures are taken to prevent such errors from recurring in the future. On a regular basis, the institute adheres to an internal and external financial audit system.

The following mechanisms are used to monitor the effective and efficient use of financial resources:

- Prior to the start of each fiscal year, the Finance Officer submits to management a budget allocation proposal that incorporates the recommendations of all department heads.
- The institute budget includes both recurring and non-recurring expenses such as salaries, electricity, internet charges, maintenance costs, stationery, other consumable charges, and so on.
- The accounts department will monitor the expenses in accordance with the budget set by management.
- The costs of depreciation for various items purchased in previous years are also computed.

Process of the internal audit

An internal financial committee audits all vouchers on an annual basis. By verifying the bills and vouchers, the expenses incurred under various headings are thoroughly scrutinized. If a

discrepancy is discovered, it is brought to the principal's attention. The same procedure has been used for the past five years.

Process of the external audit

The institute accounts are audited on a regular basis by chartered accountants in accordance with government regulations. Following the audit, the auditor verifies that all payments have been properly authorized, and the report is sent to management for review. Any questions that arise during the auditing process will be answered as soon as possible, along with any supporting documentation, and within the time limits specified.

The institution had received no major audit objections in the previous years. All these mechanisms demonstrate the institution's financial transparency and adherence to financial discipline to avoid the misappropriation of funds or property at all levels. The management and chartered accountant authorities sign the audited statement.

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)

No Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

6.4.3 Financial Management and Resource Mobilization

Institutional strategies for mobilization of funds and the optimal utilization of resources

Mobilization of Funds

The Genius Education Society is the sponsoring body of the TR Abhilashi Memorial Institute of Engineering and Technology. All the departments are self-financing in nature. The Governing Body, Board of Management and Finance Committee have mandated the Genius Education Society, to ensure as under

Optimum utilization of assets i.e. land, buildings, equipments, vehicles, furniture etc. which are already in place and to be created in future.

Effective administration that nurtures quality and promotes a competitive environment that results in additional revenue generation.

All the constituent Departments are self-financing institutions, Carrying out a financial resource mobilization strategy includes the following steps

- Identifying potential sources of funds Actively soliciting pledges
- Following up on pledges to obtain funds Depositing these funds
- Financial resources are mobilized by Fee collected from the students.
- Attracting Govt. / Private Grants and CSR funds to the maximum extent possible
- Additional revenue generation by way of conducting new programs/courses/training

Schemes and in coordination with the industry

Cultivation of the Alumni and philanthropists to generously donate to the institute.

- Overhead charges from research grants received from various government and non-Government funding agencies.
- Institutional Consultancy Charges through consultancy services provided by faculty members. E-Content creation.
- Renting of conference room, sports ground, guest house, and similar such facilities to the faculties, department and outside agencies for organizing academic and non-academic activities like conferences, seminars, lectures, workshops and personal functions.
- To facilitate the above initiatives, the institution provides space on lease to various commercial utility facilities for the students, faculty members and officials of the institute, such as Book shop, Cafeteria, Canteen, Xerox Centre etc.
- To provide space, facilities and technical support to the different examination agencies on a charge basis.

Optimum Utilization of Resources

Funds generated from above sources are principally used as University Development, Fund for maintenance and for the overall development of the University.

All the expenditures are allocated according to the sections, namely Infrastructure maintenance, salaries of the staff, research incentives, seed money, staff welfare, student welfare, budget for the various events such as convocation, graduation day, etc. Accounts of the institution are audited regularly by the chartered accountants and balance sheet and other financial statements drawn annually pre audit objections are taken care of and cleared. The Finance committee and the Governing Body review and pass the annual budget put forth in the committee meetings.

**TR ABHILASHI MEMORIAL INSTITUTE OF ENGG &
TECHNOLOGY TANDA, MANDI**

**Supporting Documents for 7.1.1
Gender Equity Programs**

**A brief description of the facilities provided for the women
are given below and relevant photographs are attached as
proof for the same
Index**

1. Annual Gender sensitization Action Plan.
2. Specific facilities provided for women in terms of :

- a) Safety and Security
- b) Counseling: counseling initiatives.
- c) Common rooms
- d) Events/Seminars/Workshops on various themes based on Gender equity

a) Safety and Security



Security check on main entrance gate of Institute

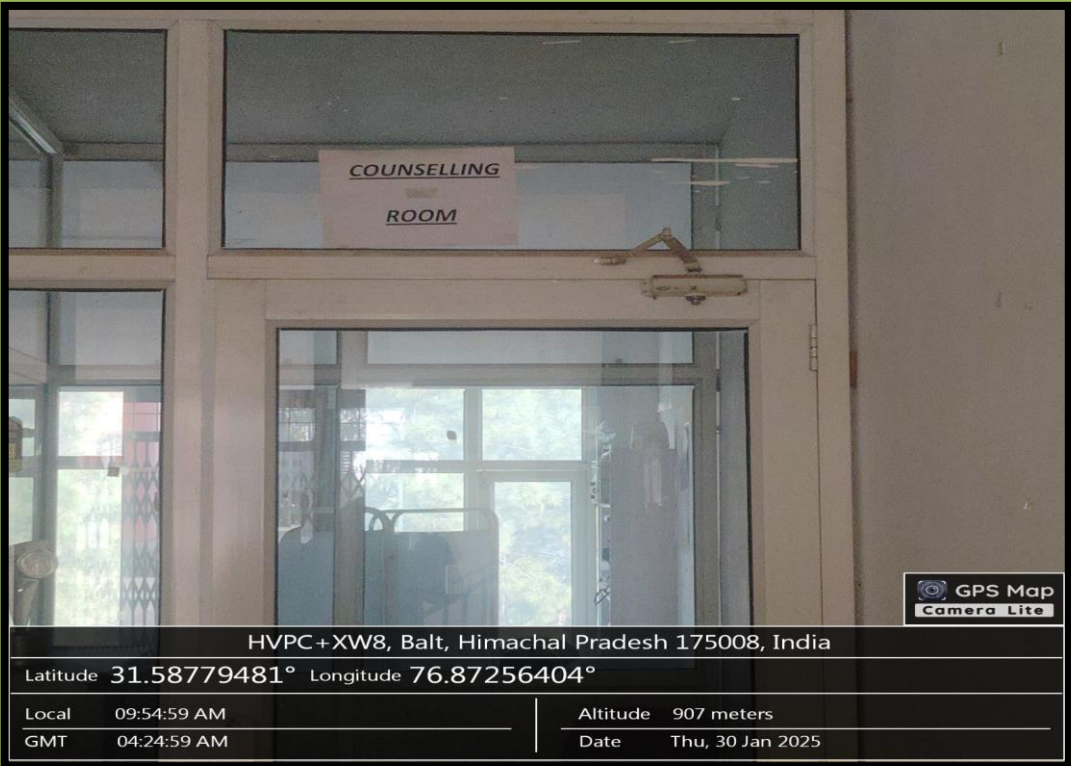


Female Warden in Girls Hostel



Security check on main entrance gate of Girls Hostel

b) Counseling: counseling initiatives



Female counselor

c) Common rooms

The Institute provides separate common rooms for male and female, which are effectively used by all faculty members and students. These provide a quiet and relaxing environment for students and faculty members.



(d) Events/Seminars/Workshops on various themes based on Gender equity



Guest lecture on Women's health



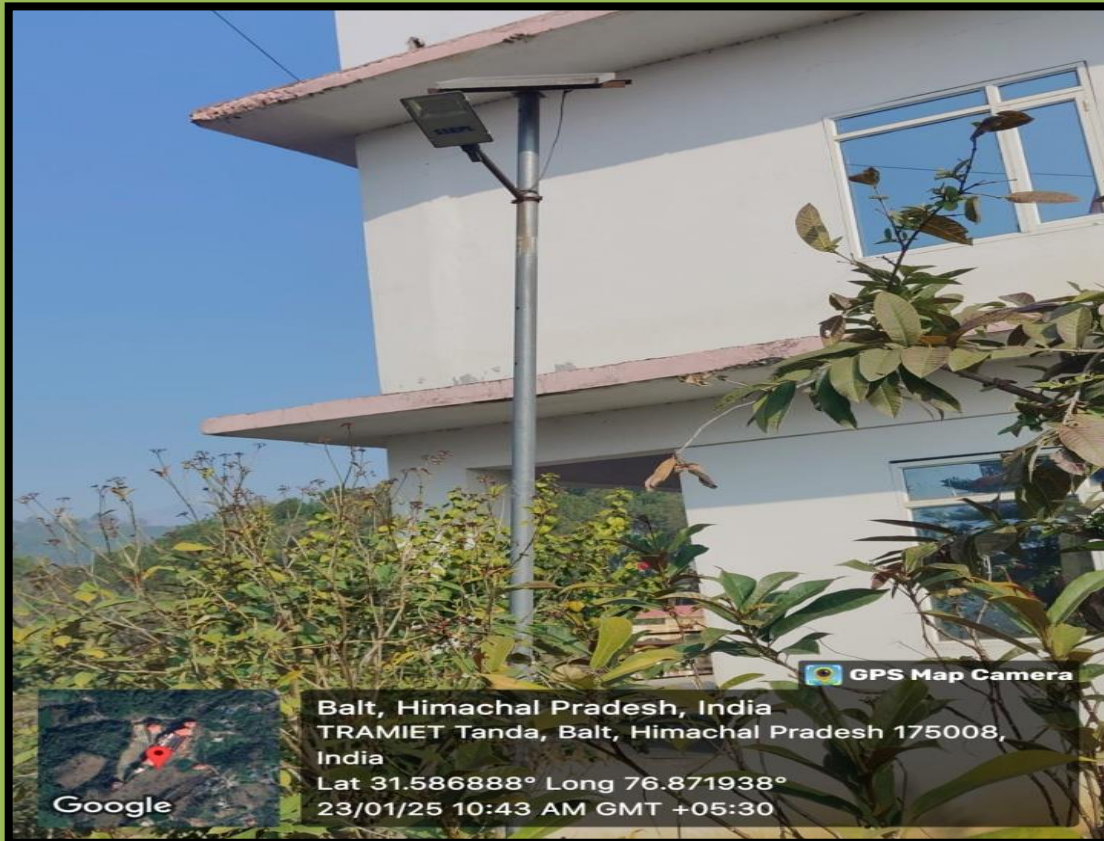
T.R. Abhilashi Memorial Institute of Engineering and Technology has, solar energy & sufficient use of LED tubes/power efficient equipment

1. Solar energy: Being situated in hilly areas, T.R. Abhilashi Memorial Institute of Engineering and Technology is naturally gifted with bright sunshine and pollution free environment. Institute has installed solar panels in the boy's hostel and girl's hostel to harness the solar energy.

2. Use of LED tubes/power efficient equipment: The institute is moving towards 100% LED lights and other power efficient equipment. Our students are instructed to use electricity wisely.

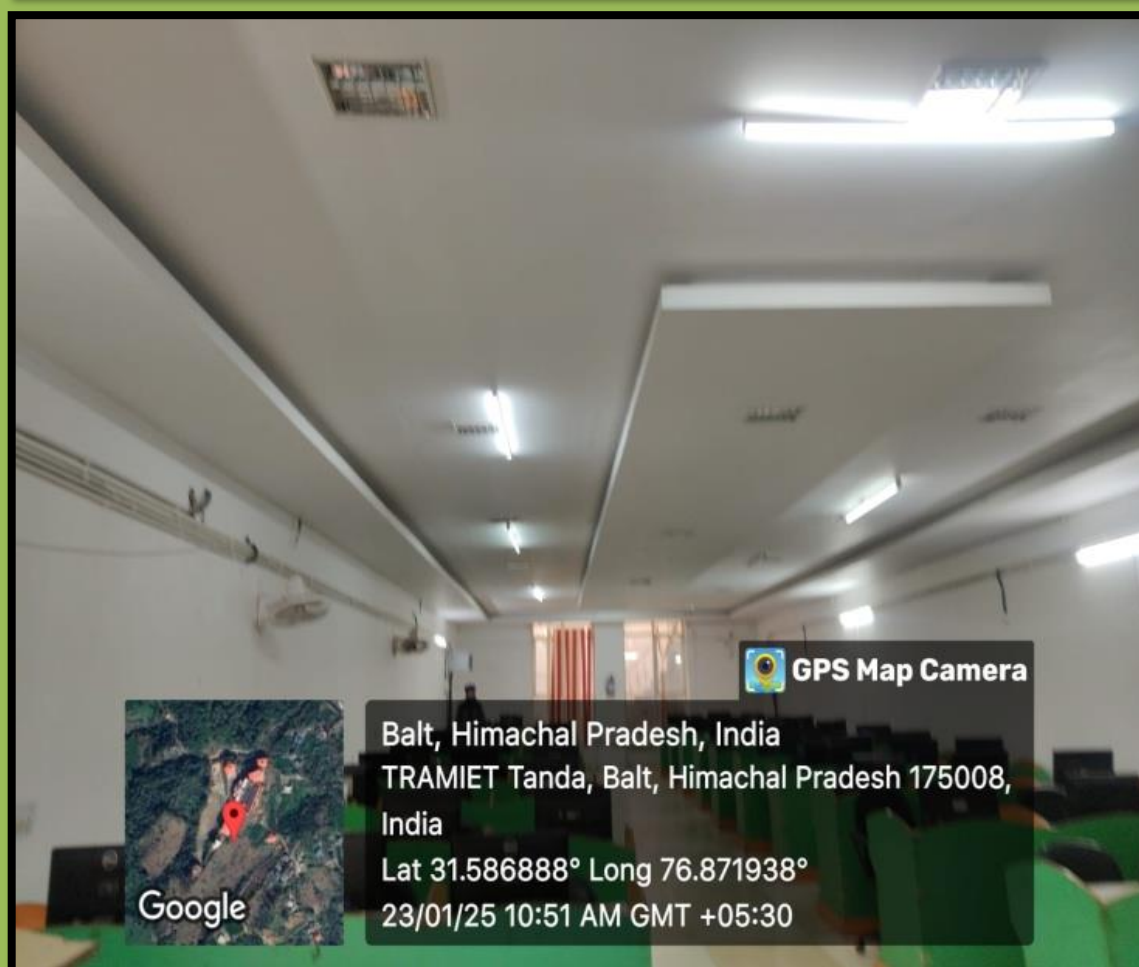
1. Solar Energy







2. Use of LED tubes/ power efficient equipment



TR ABHILASHI MEMORIAL INSTITUTE OF ENGG & TECHNOLOGY
TANDA, MANDI

Supporting Documents for 7.1.3

**Facilities in the Institution for management of the following types
of degradable and non-degradable wast**

A brief description of the in the institution for the management of degradable and

Non-degradable waste and relevant photographs are attached as proof for the same

➤ Solid waste management:

The institute takes all measures required to ensure that the campus is free of plastic items and other wastes that harm the environment. The waste bins are placed separately for dry and wet waste at every corner of the corridor, wash rooms and common room. The dry waste bins are also placed in laboratories, library, classrooms, and etc.

The waste generated in the campus are paper, metals, dry leaves, wooden wastes, glass, wrappers, organic wastes from canteen etc. Old newspapers, used papers, records, etc. are given for recycling to external agencies. Dry waste can be further segregated and shifted to scrap yard in to recyclable waste

The stored solid waste will be disposed to authorized agencies for recycling purpose at regular intervals.



TR ABHILASHI MEMORIAL INSTITUTE OF ENGG &
TECHNOLOGY TANDA, MANDI

**Supporting
Documents for 7.1.4
Water conservation
facilities**

A brief description of the water conservation facilities available in institution and relevant photographs are attached as proof for the same:-

Index

- Rain water harvesting
- Bore well/open well recharge
- Construction of tanks and bunds

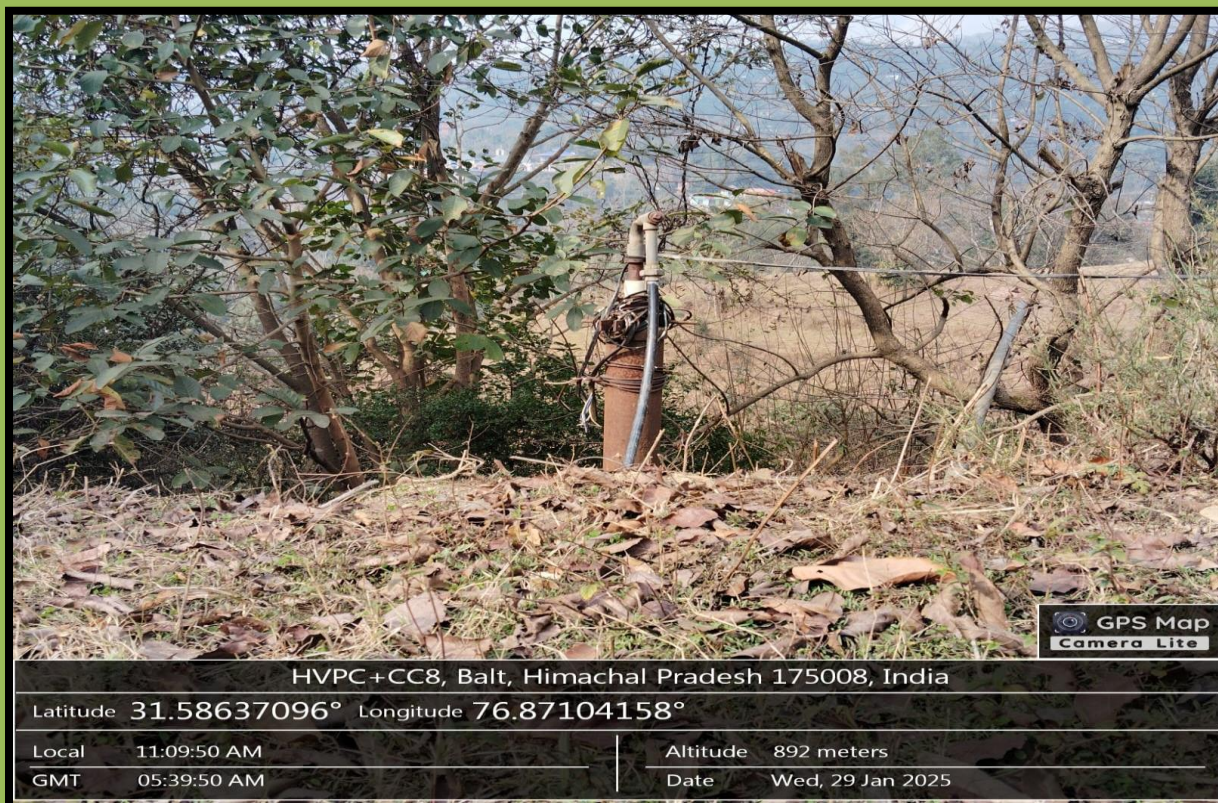
➤ Rain water harvesting:-





➤ Bore well/open well recharge:-





➤ Construction of tanks and bunds:-



**TR ABHILASHI MEMORIAL INSTITUTE OF ENGG &
TECHNOLOGY TANDA, MANDI**

**Supporting
Documents for 7.1.5
Green campus
initiative**

Green campus initiatives

A brief description of the green campus initiatives in institution and relevant photographs are attached as proof for the same

Index

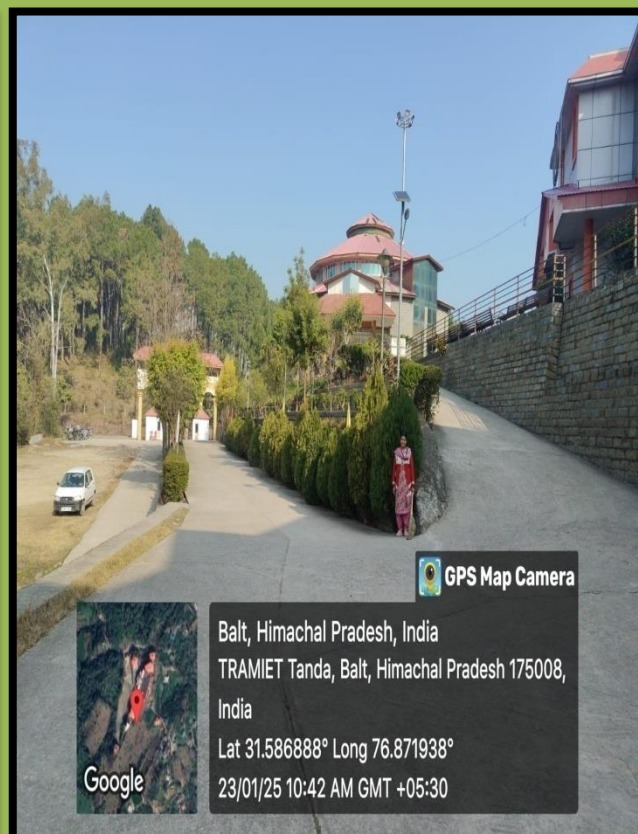
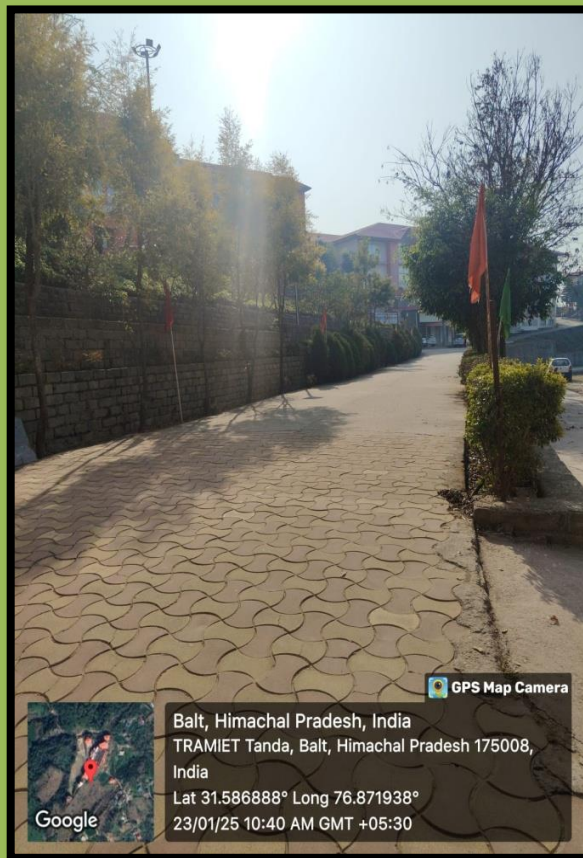
1. Restricted entry of automobiles
2. Pedestrian Friendly pathways
3. Ban on use of plastic
4. Landscaping with trees and plants

1. Restricted entry of automobiles

Most vehicles are limited to the institute parking lot. They are not allowed any further into the campus, except for emergencies or in exceptional cases. The parking lot is used only by faculty and distinguished guest visitors.



2. Pedestrian Friendly pathways



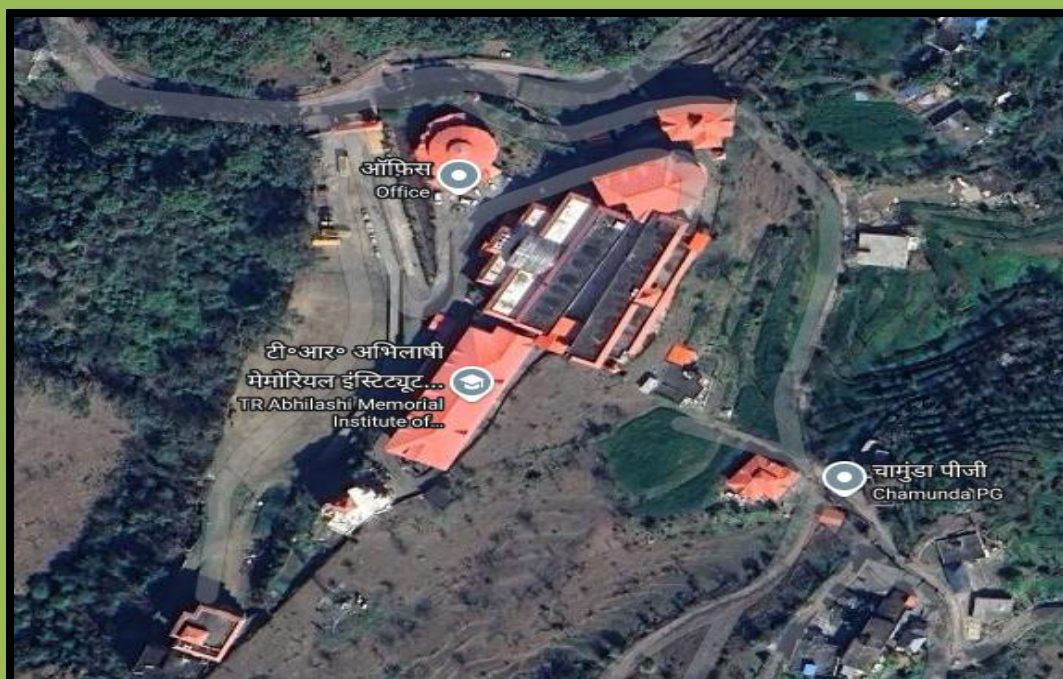
3. Ban on use of plastic

4. Landscaping with trees and plants



Together we can preserve the plants, securing this immense treasure for the future of all these children”

The Earth has provided us with numerous gifts, including sunlight, air, water, soil, minerals, plants, wildlife, and so on. We must keep our environment and nature clean at all times. We believe that a clean, green and a pollution free environment provide a pristine backdrop for an effective learning experience. We have therefore left no stone unturned in the development of a green ecosystem to provide enrichment to the mind, heart and soul of the students.



A clean and green environment implies a lack of pollution and a higher standard of living. We also intend to introduce planting of saplings by the students for adducible greenery within the campus and also inculcate awareness towards nature in their minds.

The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles

2. Pedestrian Friendly pathways
3. Ban on use of Plastic
4. landscaping with trees and plants

**TR ABHILASHI MEMORIAL INSTITUTE OF ENGG &
TECHNOLOGY TANDA, MANDI**

**Supporting
Documents for 7.1.7**

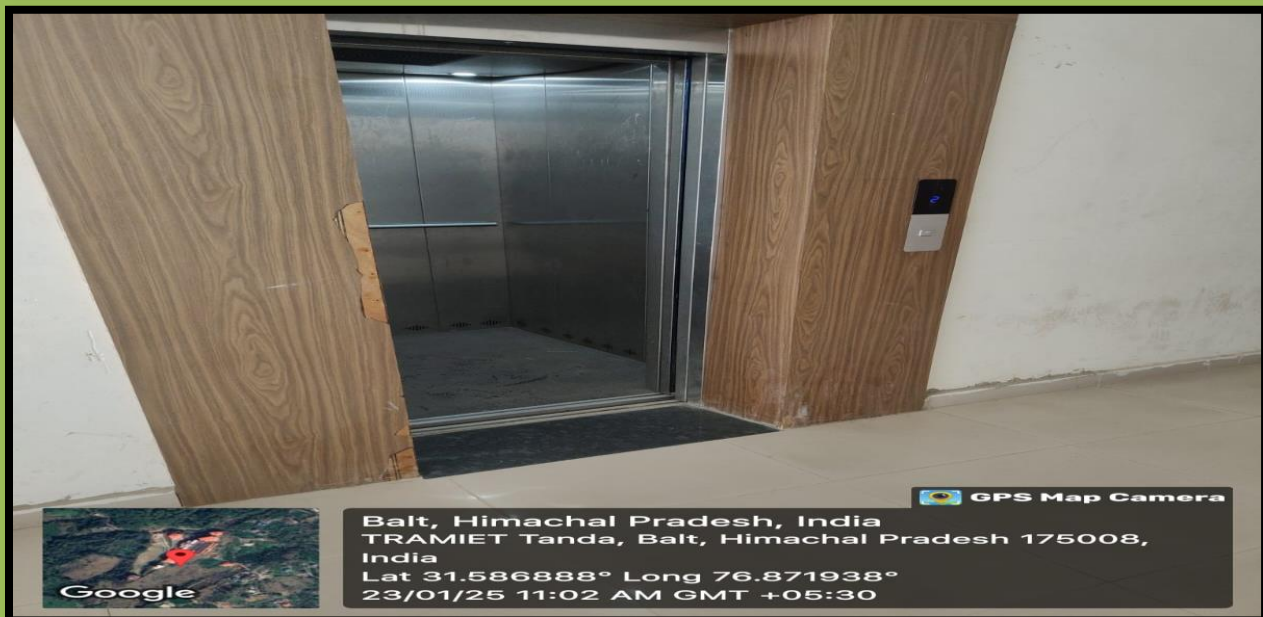
**The Institution has disabled-
friendly, barrier free
environment**

A brief description of the Institution has disabled-friendly, barrier free environment and relevant photographs are attached as proof for the same

Index

1. Built environment with ramps/lifts for easy access to classrooms.
2. Disabled-friendly washrooms

1. Built environment with ramps/lifts for easy access to classrooms.



2. Disabled-friendly washrooms



Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal socio-economic and other diversities

GLIMPSES

Program Details	Dated/ Duration	Organized / Sponsored/Collaborated/ Any other	Total No.
Slogan Writing Competition	20/08/2023-05/11/2023	TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi H.P & ERO Balh	1
TR Abhilashi Memorial Inter Department Sports Meet	26/10/2023-27/10/2023	TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi H.P	1
Slogan Writing Competition	20/08/2023-05/11/2023	State Vigilance and Anti Corruption Bureau Himachal Pradesh Police	1
Fresher's Party	13/10/2023	TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi H.P	1
Engineers Day Celebration	15/09/2024	TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi H.P	1
Electrical Substation Visit	07/06/2024	HP State Electricity Board Ltd.	1
Sports Meet	14/11/2024-16/11/2024	HPTU	1
Tech-Fest 2024	3-4/05/2024	TR Abhilashi Memorial Institute of Engineering and Technology Tanda Mandi H.P	1

Name of Event	Date and Venue of Event	Activities Organize	Total No.
Rangolai and Painting Competition for Election awareness	17/02.2024	TRAMIET	1
“Swachhata hi sewa” Swachata Pakhwara	29/09/2023	TRAMIET	1





TECHVISTARA 2K24

A TECHNICAL AND CULTURAL FESTIVAL

AT **TRAMET**
TANDA, MANDI, H.P.

ON **3RD-6TH MAY**

TECHNICAL EVENTS	Star NIGHT	CULTURAL EVENTS
PROJECT EXHIBITION QUIZ POWER POINT PRESENTATION JUNK YARD DECLAMATION	 Sh. Ramesh Thakur	BHANGRA NAATI SKIT MODELING SOLO SONG GROUP DANCE HARYANVI DANCE

टेक्निकल फेस्टिवल-टेक विस्तारा-2024 शुरू



इंजीनियरिंग कालेज में माडलों का अवलोकन करते मुख्य अतिथि • जाह्नवी

नेरवीक : टीआर अभिलाषी मेमोरियल इंजीनियरिंग कालेज टांडा बल्ह में दो दिवसीय टेक्निकल फेस्टिवल-टेक विस्तारा-2024 का शुभारंभ हुआ। इसका शुभारंभ प्रबंध निदेशक अभिलाषी समूह एवं प्रो. चांसलर अभिलाषी विवेक डा. ललित अभिलाषी ने किया। इस अवसर पर विभिन्न कालेजों से आए विद्यार्थियों ने अपने संगीत कार्यक्रम प्रस्तुत किए। इंजीनियरिंग प्रशिक्षकों के प्रोजेक्टों ने हर किसी का मन मोह लिया। मुख्य अतिथि ने बच्चों के प्रयासों की सराहना की तथा आपने संवोधन में बच्चों को

नशे से दूर रहने तथा पर्यावरण हितैषी तकनीकों को अपनाने के लिए प्रेरित किया। इस उपलक्ष्य पर डा. प्रोमिला अभिलाषी, वाइस चैंसलरसन जीनियस एजुकेशन सोसाइटी, नरेंद्र कुमार सचिव जीनियस एजुकेशन सोसाइटी, अभिलाषी कालेज आफ नर्सिंग के प्रिंसिपल डा. दीपक शॉडिल ने भी शिरकत की। इस मौके पर विद्यार्थियों ने भाषण प्रतियोगिता, तकनीकी प्रदर्शनी तथा सांस्कृतिक कार्यक्रम भी प्रस्तुत किए। प्राचार्य एमएल मोदगिल ने समस्त अतिथियों, छात्रों और स्टाफ का अभिवादन किया। (सहयोगी)



One Day Workshop
on
Artificial Intelligence in collaboration
with
**TR Abhilashi Memorial Institute of
Engineering and Technology Tanda Mandi
H.P**
&
Think NEXT Private Limited
19/10/2023



7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

TRAMIET has organized many activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens. Every year, on Republic day and Independence Day. Principal Sir, appeals to all to remember the struggle of freedom and respect the National Flag and National Anthem.

Our constitution provides for human dignity, equality, social justice, human rights and freedom, rule of law, equity and respect and superiority of constitution in the national life. The whole country is governed on the basis of the rights and duties preserved in the Constitution of India. Every year Republic day is celebrated on 26th January by organizing activities highlighting the importance of Indian Constitution. Independence Day is also celebrated every year to highlight the struggle of freedom and importance of Indian constitution.

The annual cultural fest is also promoting the awareness towards rights and duties of citizens where skits, dances, poetry, singing etc are based on such themes.

TRAMIET has inaugurated numerous initiatives to sensitize both students and employees to constitutional obligations: the values, rights, duties, and responsibilities of citizens. Each year, on Republic Day and Independence Day, Our constitution champions human dignity, equality, social justice, human rights, and freedoms, along with the principles of the rule of law, equity, and the paramount of the constitution in national life. The entire country operates on the rights and duties enshrined in the constitution of India. Republic Day, celebrated on January 26th annually, serves as a platform for activities that emphasize the significance of the Indian constitution. Similarly, Independence day is observed every year, highlighting the historical struggle for freedom and the pivotal role of the Indian constitution.

The annual cultural festival also plays a crucial role in fostering awareness about the rights and duties of citizens. Skits, dances, poetry, and singing performances are centered on these themes, amplifying the understanding and importance of constitutional values. These efforts collectively contribute to a deeper understanding and appreciation of our constitutional obligations among the institute community.

TRAMIET, dedicated in its perseverance to fostering the comprehensive growth of its students and staff, has proactively undertaken initiatives to instill constitutional values, duties, and responsibilities, encompassing the Fundamental Duties. Over the past five years, the institute has curated and executed an array of events especially dedicated to championing this noble cause.

TRAMIET, deeply rooted in its commitment to honoring our rich cultural heritage and upholding the values artificial during our nation's freedom struggle, commemorates significant national festivals like Republic Day, Independence Day, and Gandhi Jayanti. Through a multifaceted approach, the institute supplements this cultural tapestry by organizing a myriad of events, hosting lectures by esteemed personalities, conducting workshops, and facilitating seminars. These endeavors are aimed at instilling essential values, molding students into responsible and meticulous citizens.

**DR ABHILASHI MEMORIAL INSTITUTE OF ENGG &
TECHNOLOGY TANDA, MANDI**

CODE OF CONDUCT

OBJECTIVE

Core values, Code of conduct & Ethics

Core Values

The core values of an organization are those values we hold which form the foundation on which we perform work and conduct ourselves. The core values are the basic elements of how we go about our work. They are the practices we use (or should be using) every day in everything we do. Students seeking admission and trust of their parents are the primary reasons we exist as an Institution.

Our core values are:

Integrity: All the activities should be conducted in an ethical manner. Research and teaching shall be carried out in an environment of academic freedom and honesty.

Accountability: The roles and responsibilities are assigned and people are held accountable for their deeds.

Responsibility: Everybody in the Institute is expected to discharge his/her duties with due responsibility.

Transparency: The general records of maximum aspects of the functioning are maintained online to encourage transparency.

Respect of Individual: While carrying out the interactions at all levels, the dignity and respect of an individual is observed.

Faculty Empowerment: Institute promotes and encourages faculty in their individual academic development and provides scope for enhancement in their participation in general governance.

Service to Nation: Institute is committed to developing the skilled manpower to serve the Nation.

Environmental stewardship: Committed in practicing green technologies for sustainable development of the Nation.

CODE OF CONDUCT

The Institute is a community of cultured intellectuals. It is expected that, the freedom should be with sense of responsibility. Being aware of the rights should go together with consciousness Towards duties. All pleasures are to been enjoyed with sense of morality. All arguments should take place maintaining the dignity.

The character of the Institution is built with the discipline and harmony in the functioning. Certain policies are to be formed and communicated to all the elements to strike the balance between the freedom and responsibilities, rights and duties, in pursuit of knowledge, respecting all the individuals.

The Institute has got a code of conduct for the staff as well as students. Along with the general code of conduct prescribed by the Statutory Regulatory Authorities, the Institute has certain mandatory requirements.

The Institute students assume an obligation to conduct themselves in a manner compatible with the university norms. Every individual is held responsible for his/her actions. Every student in the Institute is expected to be involved only in activities that are likely to maintain the prestige of the Institute. Each student should behave respectfully with all.

CODE OF CONDUCT FOR STUDENTS

Dress Code: Students are required to follow the dress code prescribed by the Institute, i.e. grey pant and blue shirt every day except Wednesday and Saturday. So, that the students belonging to all economic strata are accommodated equally.

Honesty: Malpractices/Cheating during test/examination or knowingly furnishing false information are prohibited and strictly dealt with at the same time things like plagiarism are prohibited for faculty also.

Transparent Administration: The information is maintained regarding attendance of students and conduction of classes by teachers.

Biometric attendance of staff, leave records, salary slips etc are maintained.

Disciplined Conduct: Any behavior obstructing teaching, research, administration, other proceedings or activities in the campus are entitled for punishment.

Respect for women: Students must take care that his/her behavior is impeccable toward opposite gender. Any unwelcome behavior towards female students and employees in written, spoken, gestural or physical directly or indirectly would be dealt with as per the Law.

Prohibition of Ragging: Ragging is any conduct by a student as an individual or group of them whether by words spoken or written, or by an act, which has the effect of teasing, treating or

handling the fresher or any other student with rudeness will be treated as ragging and will be entitled for disciplinary action.

Hostel Discipline: Rules and regulations are laid down for conduct in Hostels has to be strictly followed by each student.

Drugs/ Alcohol/ Tobacco: Sale, distribution, manufacture use and possession of drugs that are not prescribed by physician or are not legal in the open market are prohibited. Alcohol and Tobacco products are also prohibited in the Campus and in the Hostels.

Possession or use of Fire arms, Fireworks, Explosives, Weapons or items of destruction are prohibited.

Conservation of Natural resources, Energy and Environment: Every student and Staff are expected to be aware of these things and maintain the conduct accordingly.

Cleanliness: Every student and staff is expected to maintain the general cleanliness within the classrooms, laboratories and the campus in general.

CODE OF CONDUCT FOR TEACHERS

The code of conduct for faculty normally addresses the matters to related conduct of teachers such as teaching, learning and evaluation, relationship with the students, associated staff, management, parent's duties and responsibilities with moral & professional ethics, human values, external services, devotion, dedication and integrity of the teacher towards the Institute.

Duties of the Teacher towards students

- Adhere to a responsible pattern of conduct and demeanor expected of them by the community.
- Manage their private affairs in a manner consistent with the dignity of the profession.
- Seek to make professional growth continuous through study and research.
- Express free and frank opinion by participation at professional meetings, seminars, conference etc. towards the contribution of knowledge.
- Maintain active membership of professional organizations and strive to improve education and profession through them.

- Perform their duties in the form of teaching, tutorial, practical, seminar and research work conscientiously and with dedication.
- Co-operate and assist in carrying out functions relating to the educational responsibilities of the Institute and the institute such as: assisting in appraising applications for admission, advising and counseling students as well as assisting the conduct of institute and Institute examinations, including supervision, invigilation and evaluation.
- Participate in extension, co-curricular and extra-curricular activities including community service.
- Manage their private affairs in a manner consistent with the dignity of the profession.

Code of conduct

The teacher shall perform all his/her duties faithfully and will not avoid responsibility. However, following lapses would constitute improper conduct on the part of the teacher:

- Failure to perform his/her academic duties such as lecturing, demonstration, assessment, invigilation etc.
- Gross partiality assessment of students, deliberately over/under making or attempt of victimization on any grounds.
- Inciting or instigating students against other students, colleagues, administration, (This does not interfere with his right to express the differences on principles in seminars other places where students are present.)
- Raising questions of castes, creed or religion race or sex in his relationship with the students and his colleagues and trying to use the above considerations for improvement of his prospects.
- Refusal to carry out the decisions of appropriate authorities, officers, administrative and academic bodies of the Institute, this will not inhibit his right to express his difference with their policies or decisions, provided that he will not use the facilities or forum of the Institute to propagate his own ideas or beliefs for or against particular party of alignment of political or religious activities.
- Writing of questions-answers guide, key, likely questions, cyclostyled or Xerox notes, etc.
- Undertaking of any office of profit, agency.

- The teacher shall not avoid any work related to the Institute/Institute examinations without reasonable grounds.
- The behavior of the teacher with male and female students and other employees shall be modest.

The Teacher shall:-

- Strictly abide by any law relating to intoxicating drinks or drugs in force in any area in which he may happen to be for the time being.
- Not consume any intoxicating drink or be under the influence of any intoxicating drink or drug, during the courses of his duty, and shall also take due care that the performance of his duties at any time is not affected in any way by the influence of any such drink or drug.
- Refrain from consuming any intoxicating drink or drug in a public place.
- Not appear in a public place in state of intoxication.
- Not use any intoxicating drink or drug in excess so that he is unable to control his behavior.
- Violation of Anti-bigamy Act and Anti-dowry Act in any manner directly or indirectly.
-

Teachers and Authorities

Teachers should:-

- Discharge their professional responsibilities according to the existing rules and adhere to procedures and methods consistent with their profession in initiating steps through their own institutional bodies and/or professional organizations for change of any such rule detrimental to the professional interest.
- Retain from undertaking any other employment and commitment including private tuitions and coaching classes which are likely to interfere with their professional responsibilities.
- Co-operate in the formulation of policies of the institution by accepting various offices and discharge responsibilities which such offices may demand.
- Co-operate through their organizations in the formulation of policies of the other institutions and accept offices.
- Co-operate with the authorities for the betterment of the institutions keeping in view the interest and in conformity with dignity of the profession.

- Should adhere to the conditions of contract.
- Give and expect due notice before a change of position is made.
- Refrain from availing themselves of leave except on unavoidable grounds and as far as practicable with prior intimation, keeping in view their particular responsibility for completion of academic schedule.

Teachers and Guardians

Try to see through teacher's bodies and organizations, that institutions maintain contact with the guardians, their student, send reports of their performance to the guardians whenever and meet the guardians in meeting convened for the purpose for mutual exchange of ideas and for the benefit of the Institution.

Teachers and Society

- Recognize that education is a public service and strive to keep the public informed of the educational programmes which are being provided.
- Work to improve education in the community and strengthen the community's moral and intellectual life.
- Be aware of social problems and take part in such activities as would be conducive to the progress of society and hence the country as a whole.
- Perform the duties of citizenship, participate in community activities and shoulder responsibilities of public offices.
- Refrain from taking part in or subscribing to or assisting in anyway activities which tend to promote feeling of hatred or enmity among different communities, religions or linguistic group but actively work for National Integration

CODE OF CONDUCT FOR PRINCIPAL/HOD

- Principal as the head of Institute is solely responsible for addressing and resolving all issues concerned with the stakeholders of education. This code of conduct provides an explicit definition of the standards of professional conduct expected from the Principal as a Head of Institute.

RESPONSIBILITIES OF THE PRINCIPAL

- Subject to the supervision and general control of the management, the Principal as the Academic Head of the Institute, shall be responsible for:-

Academic growth of the Institute

- Participation in the teaching, research and training programmes of the Institute.
- Assisting in planning and implementation of academic programmes such as refresher/orientation course, seminars, in-service and other training programmes organized by the Institute. Institute for academic competence of the Faculty Member.
- Admission of students, maintenance of disciplines of the Institute.
- Receipts, expenditure and maintenance of true and correct accounts.
- The overall administration of the Institute and recognized Institution and their libraries and Hostels, if any.

Correspondence relating to the administration of the Institute

- Administration and supervision of curricular, co-curricular/extracurricular or extra-mural, students welfare activities of the Institute and Recognized Institution and maintenance of records.
- Observance of the Act, Statutes, Ordinance, Regulation, Rules and other Orders issued there under by the Institute authorities and bodies, from time to time.
- Supervision of the examination, setting of question papers, moderation and assessment of answer papers and such other work pertaining to the examination of Institute/ recognized Institution.
- Overall supervision of the Institute Examinations.
- Observance of provisions of Accounts code.
- Maintenance of Self–Assessment Reports of teachers and their service Books.
- Any other work relating to the Institute or recognized Institution relating to the administration of the Institute as may be assigned to him/her by the Management from time to time.

National Voter's Day: 25th Jan 2024

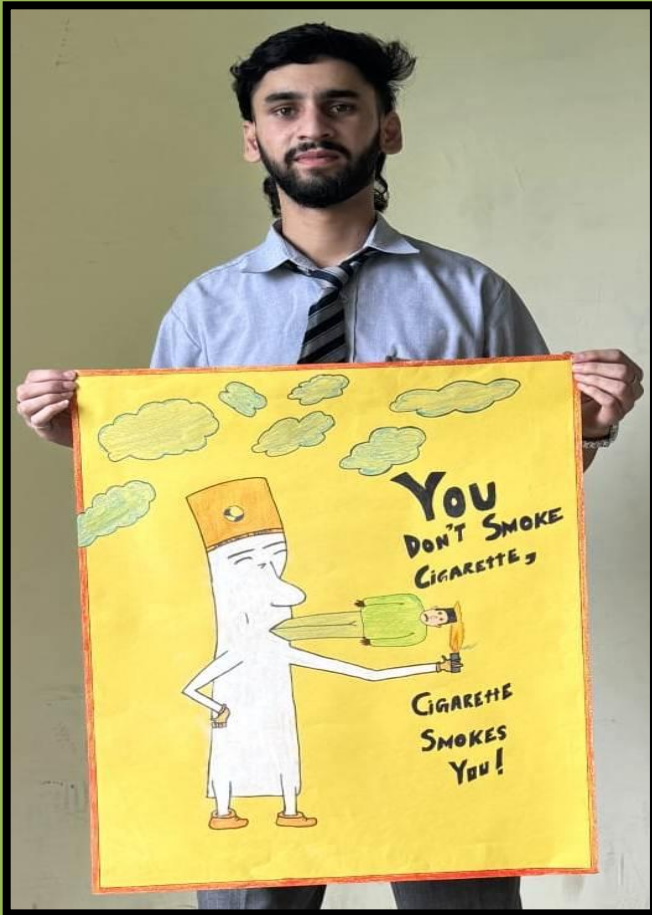


WORLD AIDS DAY: 1 Dec, celebrated on 30/11/2024





World No Tobacco day: 31 May 2024





7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice 1

1. Title of the Practice: Mentor System Mechanism (MSM)

2. Objectives

The objective of the mentor system is to implement a system that helps in the overall development of the student during his/her stay in the institute. The system also aims to keep the parents/guardians informed about the academic progress of their children on a regular basis helping them to guide their wards in the right direction.

3. The Context

The mentor system requires continuous interaction of the student and the mentor. The mentor and student should meet at the beginning of the semester to discuss the goals for the semester and analyze the previous year performance. The meeting between the mentor and the student should happen before and after every internal assessment test to discuss his/her performance and any other issue he/she might be having during the semester.

Every teaching faculty in the department will be a mentor.

The teaching faculty has been assigned a group of 20 students as their mentor towards counseling.

To empower student for decision making and self-confidence beyond educational transitions and the curriculum.

4. The Practice

A faculty member is assigned as a mentor to every student as soon as he/she enters the campus. The mentor's role is to act as a guide, a mentor, a role model and a counselor for the student during his/her stay in the campus. The mentor happens to be the first point of contact for the student regarding any issues within the institute that he/she has with respect to guidance and support. Numerous students from various parts of the country enrolled at the college forcing them to live away from home. The mentor can help such student in settling down in the campus by acting as a counselor and guiding them in the right direction. The parents who are too anxious at the beginning regarding their wards being away from home can interact with the mentors to find out the performance and well-being of their children. Once the student settles in the college he/she will have numerous decisions to take, like choosing the right elective, choosing the correct company for the placements, attending various Extra-curricular activities, during the course for all of which the mentor can act as a guide.

5. Evidence of Success

The mentors guide the students in the college, the feedback from parents and students have clearly shown that the guidance obtained by students by mentor system has helped them in completing the course successfully. The parents also have provided positive feedback on receiving regular updates about the performance of their children. The results of this approach include more regular attendance, better discipline on campus, respectful relationship between teachers and students. This approach has enhanced the student's employability and enrollment in higher education.

6. Problems Encountered and Resources Required

MSM requires continuous updates of the activities of the students, their marks, attendance. Sometimes the students fail to communicate the problem. It takes a lot of effort for the mentor to encourage and convince such students to open up and communicate. Still with all the efforts there are cases when the mentor system fails in its objectives and students either drop out of the college or fail in their examination. This clearly indicates that the system on the whole can be improved further to achieve greater results.

Best Practice 2

1. Title of the Practice: Infrastructure with Clean and Green Environment

2. Objectives

To make sure the better inculcation of knowledge with proper technical skills and also to ensure the friction-free imparting of both soft skills and also core skills for the purpose of making the engineering graduates highly competitive, innovative, creative and kind-hearted to be an invaluable asset to the society.

3.The Context

The objective of nurturing meticulous infrastructure of all kinds along with constant maintenance of clean and clear atmosphere is to attract the minds of the students towards improving academic credentials. The college envisioned to provide vibrant but serene ambiance in order for warding off pessimistic attitude among the students.

The clean and hygienic condition of the college campus results in the reduction of the spreading of communicable health issues. The college is proud in up-grading the laboratory facilities time to time commensurate to the current trends practiced in the best industries.

The institute has the strong vision in strengthening the mental as well the physical vitality of the students through proper sporting facilities and activities. The partial dependency of the institute on solar power generation which is installed on the roof top of the hostel building to satisfy the energy needs of the hostel.

4. Implementation

The institute provides the excellent infrastructure with clean and impeccable environment. All the physical constructions of the campus are being refurbished time to time and the same are being painted periodically to keep them far off from fungus, de-coloring and dust formation.

Adequate technical staff is maintained for supporting the faculty and guiding the students during the lab sessions. Enough number of sweepers and cleaners are deputed on shift basis to maintain the college campus clean and neat.

The ground facility is envisioned to be the best detoxifier of the minds of the students.

The installation of roof-top solar power panels minimizes our reliance on green-house gas emitting power sources. The practice of using Green Technology for electric power generation encourages the students to adapt to renewable sources of energy in their future endeavors.

5. Evidence of Success

It has been found that the alumni of the institute are efficient and effective in their challenging projects. Students' absenteeism is minimized because of the soothing and clean class room atmosphere as this is being achieved due to the peaceful ambiance of the campus.

The nurturing of the man-managerial skills among the students through sports events and regular Sports hours create an avenue for the friction-free personal life and career progress. By adaptation of the conservation methods, students are equipped with the knowledge of using the electric energy effectively with recent technologies.

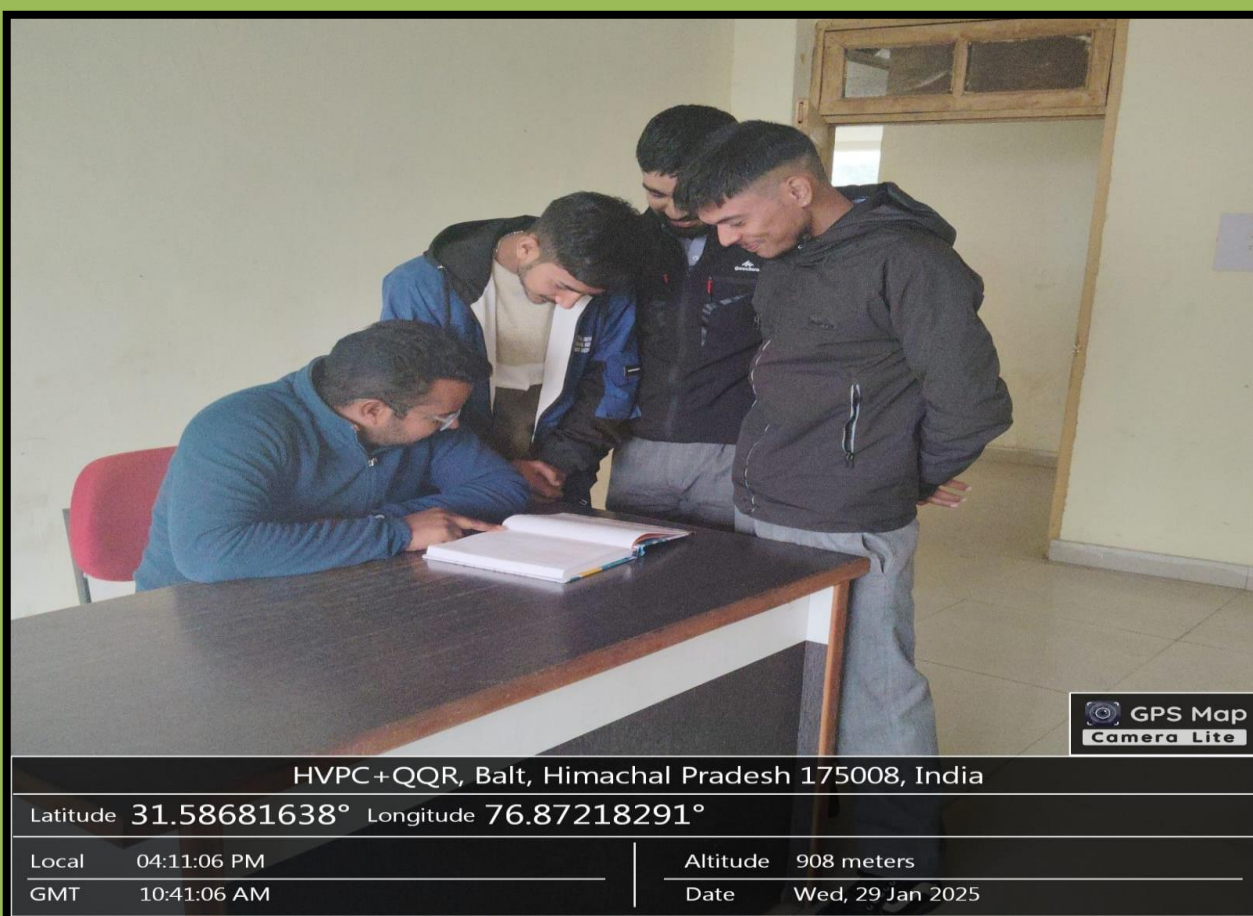
6. Problems Encountered

- (i) We faced difficulties in sensitizing a very few students to dispose the waste by using dustbins.
- (ii) The institute always encounters hurdles in encouraging the female students to participate in sporting activities.

Best Practice 1

Title of the Practice: Mentor System Mechanism (MSM)

- Mentors provide to help students with their questions and doubt



Best Practice 2

Title of the Practice: Infrastructure with Clean and Green Environment

- Institute is surrounded with green trees and plants





- Institute is equipped with Solar Panel/Light and solar water heating system as a green energy resource





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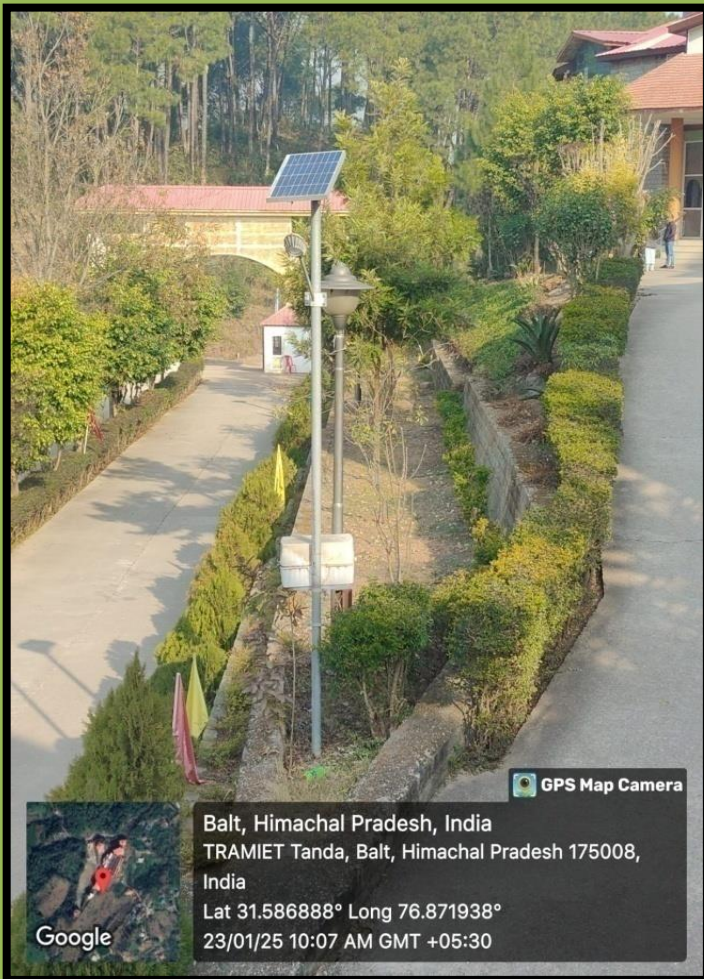


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- Institute provides to collect the following types of degradable and non-degradable waste



- Cleanliness awareness campaign by the students for the community.



