

IIIT UNA



**भारतीय सूचना प्रौद्योगिकी संस्थान
ऊना**

**INDIAN INSTITUTE OF
INFORMATION TECHNOLOGY UNA
HIMACHAL PRADESH**

A. Establishment of the Institute

The Ministry of Education, Govt. of India, has established the Indian Institute of Information and Technology Una at Saloh in the State of Himachal Pradesh. The project aims to meet the current and future demands of the IT industry in the state. IIIT Una (HP) is one of the 20 IIITs setup, funded, and managed by the Ministry of Education, Govt. of India under the Public Private Partnership (PPP) model. The partners setting up IIIT Una (HP) are the Ministry of Education, Govt. of India, the Govt. of Himachal Pradesh, HP Power Corporation Limited, and HP Power Transmission Corporation Limited. Admissions to the undergraduate programs in the Institute are made through the Joint Entrance Examination.

The land measuring 60 acre as shown in Figure 1 has been transferred to the institute in Mar'15. Further, an additional 03 acre land has been transferred for developing additional infrastructure in Mar'21.

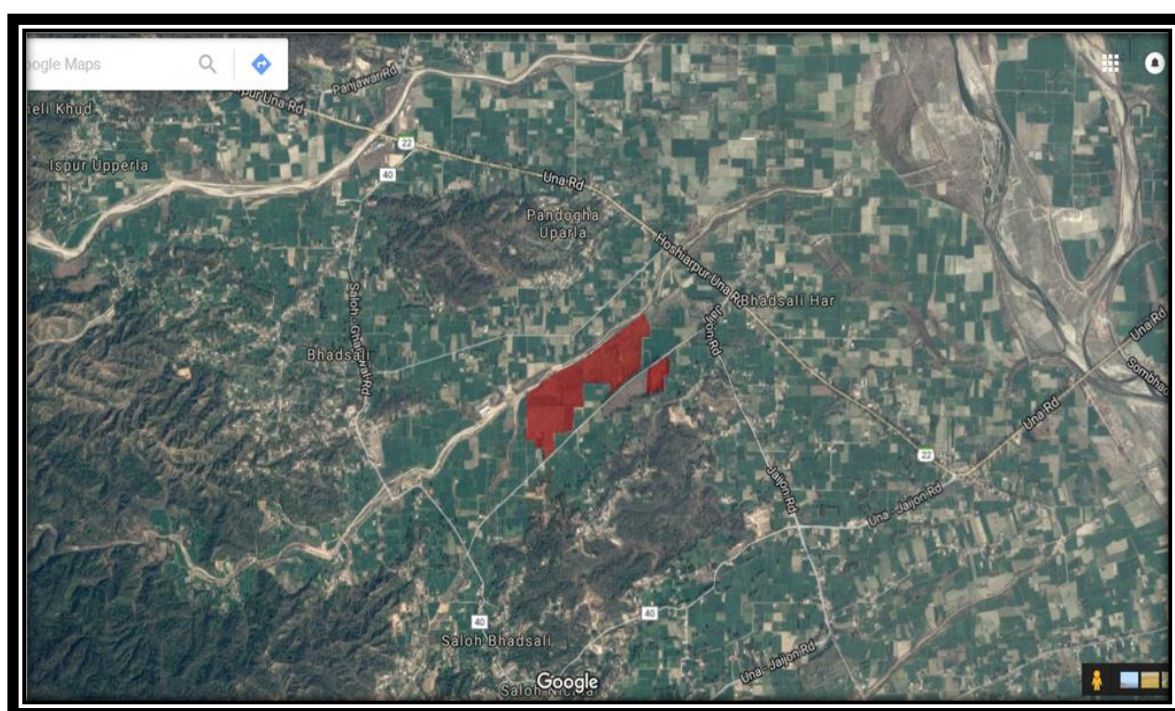


Fig.1. The aerial view of the allotted land to the institute.

The empanelment of the architectural/design consultancy service for various buildings of IIIT Una campus was awarded to M/S Design Action Group New Delhi and M/S Suresh Goel and Associates, New Delhi in Aug'16.

The work of boundary wall construction was executed by the construction cell of the erstwhile mentor institute, NIT Hamirpur. The work was awarded to M/S Suket construction Pvt. Ltd. in Jan'17 and was completed in Mar'18.

The MoU was signed between IIIT Una and CPWD for the construction of the permanent campus of IIIT Una in June'18.

The founder Director of the institute Prof. S. Selvakumar was appointed by the visitor of the institute, viz., the Honourable President of India and joined in July'18.

The institute requirement specification was given to the architects in July'18. The Master plan of the institute was got approved in Oct'18. The total Budget estimate of the project is Rs.128/-Cr. The details of the buildings are as follows:

1.	Academic Block	G+3
2.	Admin Block	G+1
3.	Hostel-I	G+3
4.	Hostel-II	G+3
5.	Hostel-III	G+3
6.	Transit House	G+2
7.	Director Residence	G+1

B. Developments Since July 2018

The mentor institute could not accommodate the students of our institute from the academic year 2019-20 onwards and thus pushing the institute to face the challenges of hiring alternative campus. The challenge was overcome by hiring a transit campus in Chandpur, Una in May'19 for first year students. The transit campus was setup with the necessary standards for Teaching Learning Process.

With the objective of completing the construction works at the earliest possible the CPWD was instructed to split the works into two tenders and the same were floated by the CPWD in Sept'19. The work was awarded to the contractors in Dec'19.

The split up of the works are as follows:

Tender-1A	Administrative Block, Academic block	M/S Mukesh Ranjan and Contractors, Hoshiarpur
Tender-1B	Hostel-I, Hostel-II, Hostel-III, Transit House, Director Residence and External facilities.	M/S Kamaladityya Construction Pvt. Limited, Bokaro

The Bhoomi Pooja, Figures 2 and 3, was conducted in Jan.'19 and work was commenced by both the agencies.



Fig. 2. Bhoomi Pooja of Tender-1A



Fig. 3. Bhoomi Pooja of Tender-1B

The time estimate for the completion of work was 14 months, which was revised after the first and second wave of the Covid-19. In spite of Covid pandemic the work was completed to the satisfaction of the institute without compromising the quality.

The institute has celebrated its first event on 15, Aug.'21, the Independence Day in the permanent campus of the institute, Figure 4.



Fig. 4. Celebration of First Event

C. Highlights of Permanent campus

The institute has started full-fledged operation from its the permanent campus on 28, Oct.21. The work of all buildings has been physically completed on 11, Apr.'22. The inventory handover work and defect rectification work is in progress by the CPWD. The actual images, Figures 5 & 6, and detailing of the buildings are as follows:

1. Administrative Block

- Area : 2190 sq.m.
- Admin Office, Director Office, Registrar Office, Interview Rooms, Senate Hall, Career Development Centre Labs, Pre Placement Talks Room, Dean Offices
- Lifts, UPS and DG Backup, Centralized ACs, CCTV, Fire Fighting System, Disable Friendly Provisions.



Fig. 5. Administrative Block

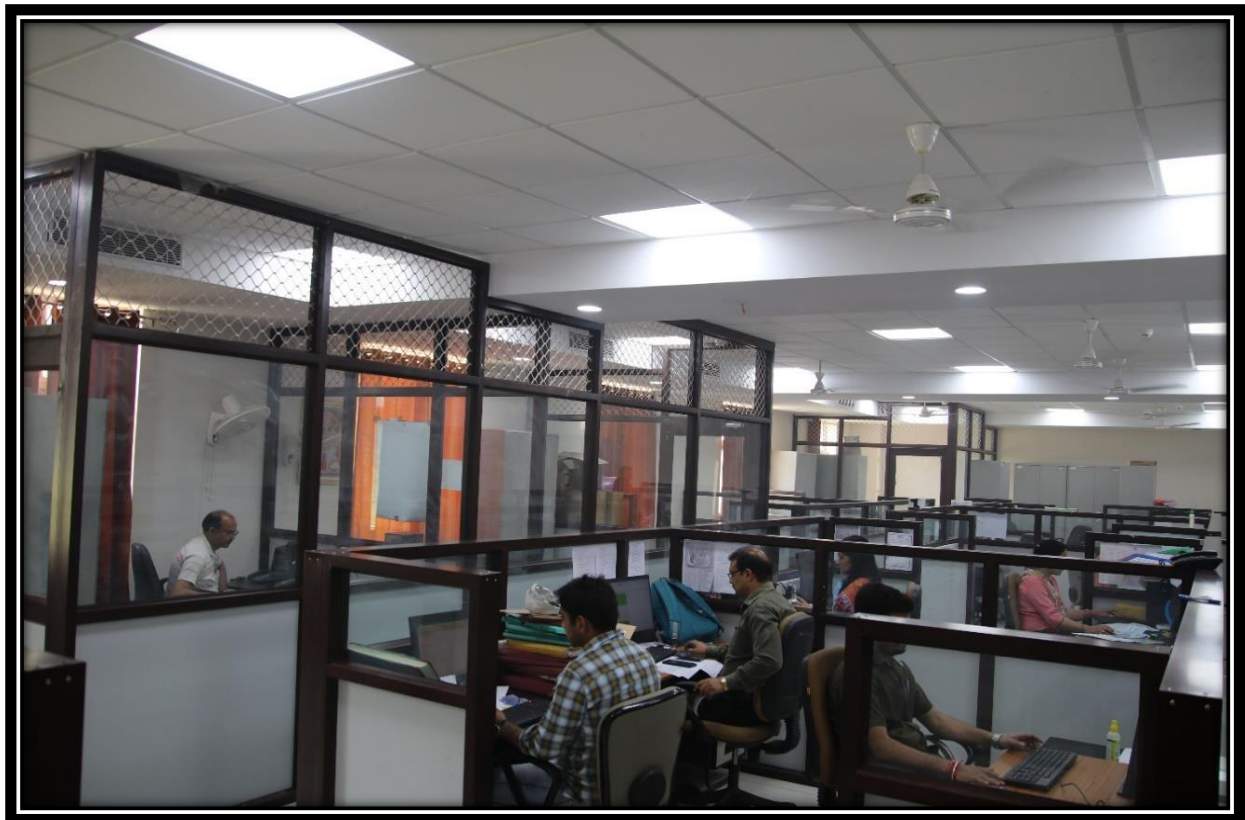


Fig. 6. Cabins for Administrative Staff

2. Academic Block

- Area: 10770 sq.m., Figures 7 to 16.
- 12 Classrooms, 18 Labs, 05 Examination Halls, 02 Lecture Halls, 01 Library, 40 Faculty Rooms, HoD Rooms, Research Scholar Rooms, Library.
- Two Lifts, UPS and DG Backup, Centralized ACs, CCTV, Fire Fighting System, Disable Friendly Provisions.



Fig. 7. Front Elevation of Academic Block



Fig. 8. Side Elevation of Academic Block



Fig. 9. Chemistry Lab



Fig. 10. Electrical Engineering Lab



Fig. 11. Physics Lab

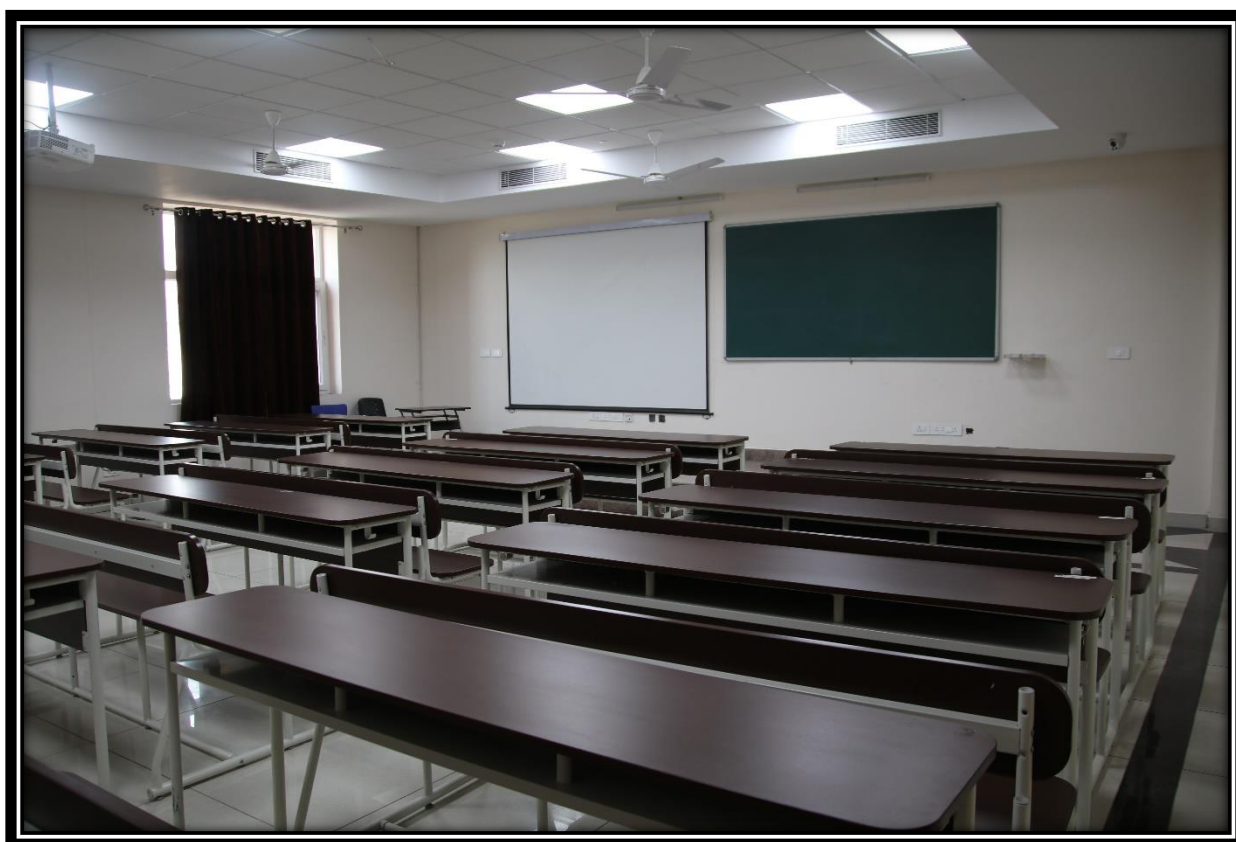


Fig. 12. Smart Classrooms



Fig. 13. Library



Fig. 14. Mini Auditorium



Fig. 15. Electronics Lab



Fig. 16. Computer Lab

3. Hostels –I, II, and III

- Area: 4970 sq.m., Figures 17 to 20.
- 262 Student capacity, Indoor Stadium, Laundry Rooms provision, Modern Kitchen Equipments
- Two Lifts, Electric Water Heater, UPS and DG Backup, CCTV, Fire Fighting System, Disable Friendly Provisions.



Fig. 17. Hostel I and II



Fig. 18. Hostel III

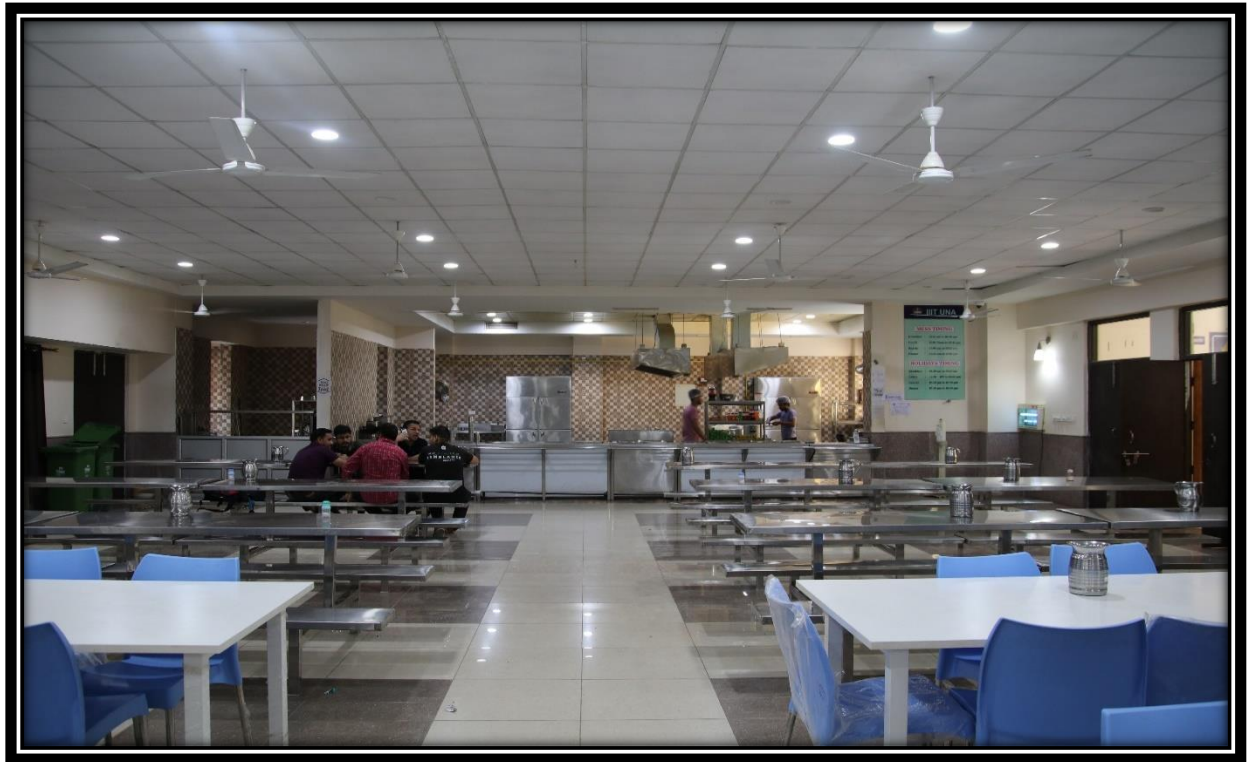


Fig. 19. Modern Kitchen and Dining Hall



Fig. 20. Indoor Stadium

4. Transit House

- Area: 1512 sq.m., Figure 21.
- Gymnasium, Institute Health Centre, Music/Dance Room, Dining Hall, Lounge Room, 06 Guests Rooms, 06 Research Labs
- Two Lifts, UPS and DG Backup, Split ACs, CCTV, Fire Fighting System, Disable Friendly Provisions.



Fig. 21. Transit House

5. Director Residence

- Area: 340 sq.m., Figure 22.



Fig. 22. Director Residence

6. External Facilities

- Rigid concrete Pavement of 1.5 Km, Figure 23, with Street Lights, both side Footpath and CCTV cameras throughout the road.
- WTP-: 75+75 KL for water filtration and delivery to each building.
- STP-: Packed Type Skid Mounted Unit-150 KLD, treated water is used for irrigation and flushing purposes.

- Institute has its Own 11 KV, 2X1000 KVA Electrical Substation, Figure 24 and 25, with two DG sets of 500 KVA and 250 KVA, which is providing backup in case of power failure.



Fig. 23. RCC road inside campus



Fig. 24. Electrical Substation with DG sets



Fig. 25. Control Panels of Substation

The Main gate construction work, Horticulture works, and establishment of sports facility are among some new work which has been recently added to the institute infrastructure works.



Fig. 26. Main Gate Entrance



Fig. 27. Green Campus

The main gate construction and Horticulture operation work, Figures 26 and 27 has been completed.

The various sports facility planned in the premises, Figures 28 and 29, are as follows:

1. Cricket Ground
2. Basketball Ground
3. Football Ground
4. Athletic Track
5. Volleyball Ground
6. Badminton Ground
7. Lawn Tennis



Fig. 28. Cricket and Athletic Grounds



Fig. 29. Sports Grounds

The establishment work of sports activities is in progress and work is expected to be completed within a month.

The institute celebrated various other programs and events during its journey to this date, Figures 31 to 39.



Fig. 30. Tree Plantation Drive by the DC, Una



Fig. 31. Ganesh Pooja



Fig. 32. Blood Donation Camp



Fig. 33. International Day of Yoga 2022



Fig. 34. Pariksha Pe Charcha 2022



Fig. 35. MoU Signing with SBI Bank



Fig. 36. Courtesy Visit to the Office of the Governor, HP to invite for Fourth Convocation



Fig. 37. Orientation of 1st Year Students

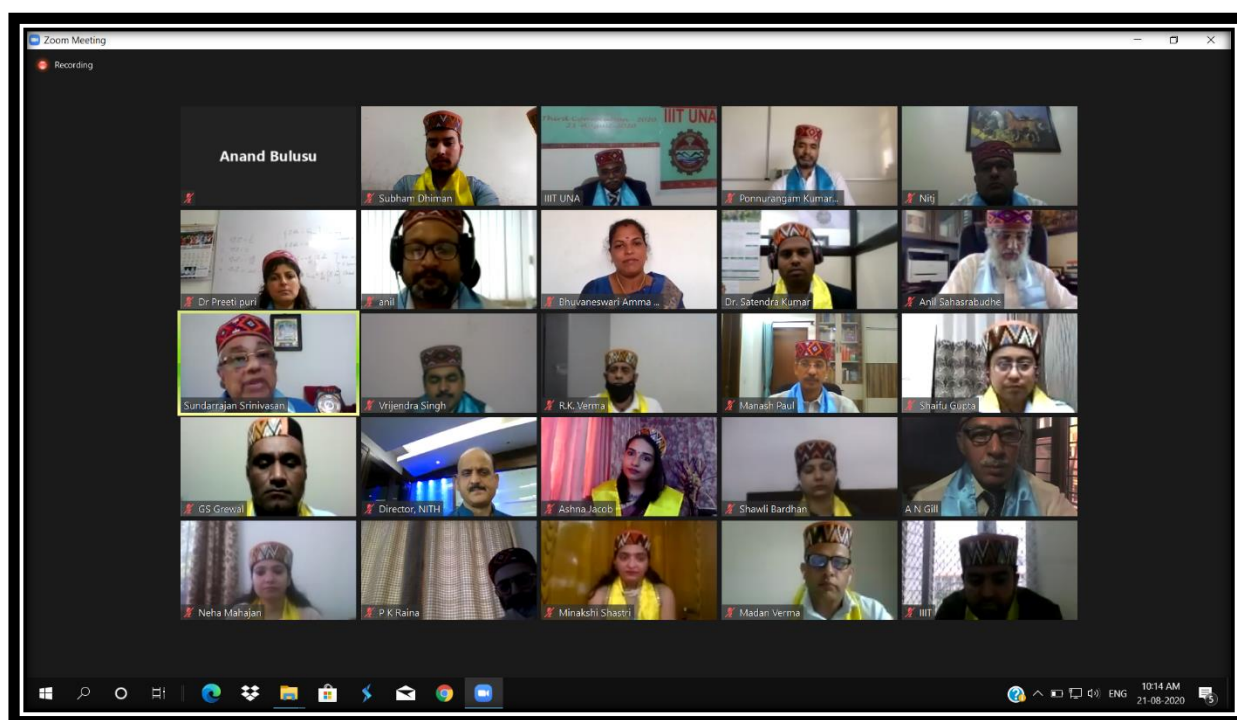


Fig. 38. Third Convocation 2021



Fig. 39. Swachtha Pakhwada: Cleanliness Drive

D. Financial Status

Sl. No.	Stakeholders	Total Share	Funds received as on date	Contribution Pending
1.	MoE	64.00	64.00	Full contribution received
2.	Govt. of HP	44.80	44.80	Full contribution received
3.	HPPCL	09.60	04.80	4.80
4.	HPPTCL	09.60	09.60	Full contribution received

E. Commencement of Classes

The IV and II semester in-person classes have been commenced in the permanent campus on 14, Mar.'22 and 09, May'22 respectively. The even semester of AY 2021-22 has been successfully completed and the odd semester of AY 2022-23 will be commenced on 18, July'22.

F. Faculty, Non Faculty Members Recruitment

F1. The recruitment of regular faculty members in School of Computing and School of Electronics has been completed during 27-30, Nov.'21. With the approval of the Competent Authority of the Institute sixteen faculty members have been offered appointment order and twelve members have already joined the Institute and the others are expected to join soon.

F2. The Ordinance, Rules, and Regulations for the recruitment of Non faculty members have been prepared and the approval for the same is awaited.

F3. Faculty members are appointed to teach the courses with the Student to Teacher Ratio of 15:1.

Currently, 18, 09, and 10 faculty members are working in School of Computing, School of Electronics, and School of Basic Sciences respectively.

G. Commencement of MTech Program

The BoG has approved the recommendations of the Senate to commence the MTech Program in CSE with specialization in Cyber security or Data Science from the AY 2022-23 onwards.

Moreover, the BoG has sanctioned 15 students with stipend and 15 students without stipend.

The Institute has registered with CCMT for the PG admission of stipendiary seats with roster. The non-stipendiary seats will be admitted through institute counselling as per the roster based on GATE score in CSE/IT.

H. Faculty Achievements

G.1 Publications

Number of Journal Publications	: 44
Number of Conference Publications	: 08
Number of Publications in Books/Book Chapters	: 18
Number of Patents	: 02
Number of Workshops attended	: 25
Number of FDPs attended	: 23
Number of FDPs conducted	: 03

I. Students Achievements:

Number of Journal Publications	: 03
Number of Conference Publications	: 05

I.1 Placement

Upto 2018	:	Managed by NIT Hamirpur
From July 2018	:	Managed by IIIT Una

Batch	Max. Package	Avg. Package
2015-19	Rs.10/- LPA	Rs. 6.0/- LPA
2016-20	Rs.14/- LPA	Rs. 8.4/-LPA
2017-21	Rs.42/- LPA	Rs. 9.0/-LPA
2018-22	Rs.47/-LPA	Rs.12.06/-LPA

I.2 Technical and Non Technical Associations

FORCE	:	CSE and IT Association
AVESH	:	ECE Association
HASH	:	Software project development club
SURGE	:	Hardware project development club
AMOGH	:	Literary club
YALGAAR	:	Sport Association
EvMaC	:	Event Management Club
Data Science	:	Data Science Club
Info Sec	:	Security Club

Two days conference on Model United Nation Conferences was held in which 42 outside and 38 Institute students participated. The three sessions simulated were the following:

1. United Nations Human Rights Council (UNHRC)
2. United Nations Security Council (UNSC)
3. All India Political Parties Meet (AIPPM)

The juries presented awards to the first three winners in each of the sessions.

I.3 First Prize in Smart India Hackathon

The following students represented our institute in the Smart India Hackathon competition and won the First prize:

- | | | |
|--------------------|---|--------------|
| 1. Prashant Sengar | : | CSE III Year |
| 2. Ritesh Singh | : | CSE III Year |
| 3. Aryan Verma | : | CSE III Year |
| 4. Mohit Saini | : | CSE III Year |
| 5. Niti Kaur | : | CSE II Year |
| 6. Vishal Pal | : | ECE II Year |

I.4 Convocation:

Convocation No.	Batch	Date of Convocation
First	2014-18	29, Mar.'19
Second	2015-19	30, Nov.'19
Third	2016-20	21, Aug.'20
Fourth	2017-21	11, Mar.'22
Fifth	2018-22	To be held shortly

J. ICT

The ICT details of our Institute are as follows:

Internet Bandwidth	:	500 Mbps
Computer System	:	360 Nos.
Network Switch	:	26Nos.
Distribution Switch	:	01 No.
Wireless Access Point	:	56 Nos.
Firewalls	:	2 Nos.
Software	:	Mathworks Orell Talk ORCAD VLSI (Vivado)

K. Sponsored Projects

Title	Sponsor	Amount	Duration
“Nagarik Rog Pratirakshak: Unified Smart Immunization Coverage Monitoring and Analysis (UniSICMA)”	Biotechnology Industry Research Assistance Council (BIRAC), New Delhi	Rs.106/- Lakhs	18 Months
Child Death Review	Ministry of Health, Govt. of Himachal Pradesh	--	02 Months
“Development of nanomaterial immobilised enzymes system for the production of food-grade esters”	Australian High Commission (AHC), New Delhi.	Rs.7.75/- lakhs	1.5 Years
“Nanobiotechnological route for improving the enzymatic saccharification of forest waste of Himachal Pradesh”	Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE)	Rs.6.15/- lakhs	02 Years

L. ATAL FDP

The institute organized one ATAL FDP on Advance Data Science during 27-31, Dec.’21, with sponsorship from AICTE Teaching and Learning Academy (ATAL). The coordinator of the FDP was Prof. S. Selvakumar and the Assistant coordinator was Dr. Nishtha Hooda of School of Computing.

Fourteen sessions, including twelve technical sessions, one session on yoga, and one session on Test and feedback were conducted. The resource persons from IIM, IIT, NIT, IIIT Una delivered lectures and conducted hands on sessions. Two hundred faculty members from all the states participated. The feedbacks from the participants were excellent.

M. Memorandum of Understanding (MoU)

Two MoUs have been executed with the following Institutes for academic and research collaboration:

Sl. No.	MoU with	Objective
1.	IIT Ropar	1. Achieving excellence in Teaching Learning Process and research outcome 2. The joint research collaborative projects, workshops, seminars, Conferences. 3. Co-guidance of PhD students. 4. Sharing of Lab, Library, and other resources. 5. Sharing of Faculty Members.
2.	IIT Mandi	
3.	HPTU Hamirpur	
4.	Shri Lal Bahadur Shastri Government Medical College & Hospital, Nerchowk, Mandi (HP).	
5.	Himachal Pradesh University Shimla (HP)	
6.	SSN College of Engineering Chennai, Tamil Nadu	Collaborative Project sponsored by BIRAC, DBT, GoI
7.	HP Police Training College Kangra, Himachal Pradesh	To train police officials of HP State

N. Launch of e-bike

The Product Development Laboratory of the Institute has designed and developed an electric bike (e-bike).

It was launched by Shri. Bimal Gupta, Principal/DIG, Himachal Pradesh Police Training College (HPPTC), Daroh – 176 092 on 13, April'22 during the MoU signing ceremony.

O. Visiting Professor under Fulbright Scholarship Scheme

Prof. Paul Joseph of Georgia Tech, Atlanta, USA will be visiting the Institute during 25, July'22 to 06, Aug.'22. The following academic activities have been planned during his visit to the Institute:

- a) He will be delivering lectures to V semester students.
- b) A one day workshop on 'Advances in Nanotechnology' will be conducted for the faculty members of Engineering Institutes and Arts and Science Colleges in Himachal State.
- c) A seminar on 'Introduction to Nanotechnology' will be organized in two schools in Una.
- d) The syllabus for the subject Nanotechnology will be reviewed by him.
- e) A collaborative project proposal for the establishment of Nanotechnology Excellence Centre will be prepared.
- f) A MoU with Georgia Tech Atlanta, USA will be planned for the long-term association for continuing research collaboration/internship/credit transfer of courses, etc.

P. PHASE-2 DEVELOPMENTS

The planned work of the Phase-I development has been completed. The institute has planned for the following works order wise in the Phase-2 developments of the premises:

1. Construction of the Hostel-IV.
2. Establishment of Open Air Auditorium.
3. Construction of Gate No.2.
4. Construction of Shed over the pathway from the academic block to Hostel-II.
5. Railing and Paver block development beside the existing pond.
6. Installation of the Boom Barrier in the Main Gate Entrance.
7. Rain Water Drain Connectivity from WTP to the Pond via Main Gate.
8. Establishment of Institute Annexe shops and external facilities
9. Construction of the Hostel-V
10. Construction of Academic Block-II
11. Construction of Tech Park Block.
12. Construction of 500 seated Auditorium.
13. Construction of Residential Quarters in Pocket-B.
14. Establishment of Electric Vehicles Charging Station in Parking area.
15. Construction of Indoor Stadium and Recreational Area
