

## AICTE : MANDATORY DISCLOSURE

### NAME OF THE INSTITUTE:

1. **Name** : Jaypee University of Information Technology, Established by H.P. State Legislature Act No. 14 of 2002  
(Approved by UGC under Section 2(f) of the UGC Act)
2. **Address**  
**Location** : Wagnaghat, P.O. Wagnaghat, Teh. Kandaghat  
**Pin code** : 173234  
**District** : Solan  
**State** : Himachal Pradesh
3. **Tele / Fax / Website**  
**Vice Chancellor** : (O) 01792-239201 Fax : 01792-245362  
(R) 01792-239250, 245361  
**Registrar** : (O) 01792-239203  
(R) 01792-239272  
**EPBAX** : 01792-257999 (30 Lines)  
**Fax** : 01792-245362  
**Website** : [www.juit.ac.in](http://www.juit.ac.in)

### 4. Name & Address of Vice Chancellor

Prof. (Dr.) Vinod Kumar,  
Jaypee University of Information Technology,  
Wagnaghat, PO-Wagnaghat, Tehsil Kandaghat  
Distt-Solan, Himachal Pradesh. Pin - 173234

### 5. Name of Affiliating university

The Institution is a self financing, State University. Set up by Act No. 14 of 2002 vide Extraordinary Gazette notification of Government of Himachal Pradesh dated May 23, 2002. Approved by the University Grants Commission under section 2(f) of the UGC Act. The sponsoring body of the University is Jaiprakash Sewa Sansthan (JSS). JUIT is a member of the Association of Indian Universities since 2002.

## GOVERNANCE

### 6. Officers of the University

- |                 |   |  |
|-----------------|---|--|
| Chancellor      | - | H.E. Acharya Devvrat, Governor of HP                               |
| Pro-Chancellor  | - | Shri Manoj Gaur, Executive Chairman, Jaiprakash Associates Limited |
| Vice Chancellor | - | Prof. (Dr.) Vinod Kumar  |
| Registrar       | - | Maj Gen Rakesh Bassi, SM (Retd.)                                   |

7. **Authorities Of The University**

[a] **GOVERNING COUNCIL**

**Pro-Chancellor - Chairman**

Shri Manoj Gaur  
Executive Chairman  
Jaiprakash Associates Limited

**Two Members of the Trust nominated by the Pro-Chancellor**

Shri Sunil Sharma - Member  
Executive Vice Chairman  
Jaiprakash Associates Ltd.

Shri Sunny Gaur - Member  
Managing Director (Cement)  
Jaiprakash Associates Ltd.

**Two Representative of the collaborating Universities**

Prof. William Webster - Member  
Ex-Acting Vice Chancellor (Budget & Finance)  
University of California Berkeley, USA

Prof. Sartaj Sahni - Member  
Distinguished Professor  
University of Florida at Gainesville, USA

**Three Distinguished Academicians/Professionals nominated by the Chancellor in consultation with the Pro-Chancellor**

Prof. Onkar Singh - Member  
Vice Chancellor  
MMM University of Technology, Gorakhpur

Prof. P.K. Jain - Member  
Director  
IIITDM, Jabalpur

Prof. Manoj Arora - Member  
Professor, IIT Roorkee  
Roorkee

**Two Experts Representing Other Disciplines such as Finance, Law and Management nominated by the Pro-Chancellor**

Sh. S.S. Mittal - Member  
Advocate, Shimla

Sh. Pankaj Gaur - Member  
Jt. Managing Director (Construction)  
Jaiprakash Associates Ltd.

**Vice Chancellor of the University**

Prof. Vinod Kumar - Member

**One Head of Another Institute/Laboratory of the Trust**

Prof. S.C. Saxena - Member  
Vice-Chancellor  
JIIT, Noida

**Two Deans of the University by Rotation**

Prof. Samir Dev Gupta - Member

Vacant

**Three Secretaries of Government of Himachal Pradesh**

Secretary (IT), Govt. of HP - Member

Secretary (Education), Govt. of HP - Member

Secretary (Technical Education), Govt. of HP - Member

**Three Representatives of the Industry Nominated by the Pro-Chancellor**

Sh. Alok Gaur - Member  
Head, HR Department  
Jaiprakash Associates Limited

Sh. C.S. Verma - Member  
Former Chairman  
Steel Authority of India Limited  
(4086, Pocket C4, Vasant Villas, Vasant Kunj,  
New Delhi – 110070)

Sh. B Prasada Rao - Member

Former Chairman & Managing Director, BHEL  
699, Mahavir Prasad Block,  
Asian Games Village Complex,  
New Delhi - 110049

**Non Member Secretary**

Maj Gen Rakesh Bassi, SM (Retd.)  
Registrar

[b] **EXECUTIVE COUNCIL**

**A) CHAIRMAN**

The Vice Chancellor of the University

Prof. (Dr.) Vinod Kumar

**B) MEMBERS**

**i) Two Members of Governing Council nominated by the Pro-Chancellor**

- a. Sh. Sunil Sharma  
Executive Vice Chairman  
Jaiprakash Associates Ltd.
- b. Sh. S.S. Mittal  
Advocate  
Shimla

**ii) One Dean of the University**

Prof. Samir Dev Gupta  
Dean (Academic & Research)

**iii) One Academician of repute nominated by the Pro-Chancellor**

Prof. S.C. Saxena  
Vice Chancellor  
Jaypee Institute of Information Technology (JIIT)  
Noida

**C) NON- MEMBER SECRETARY**

Maj Gen Rakesh Bassi, SM (Retd.)  
Registrar & Dean of Students

[c] **ACADEMIC COUNCIL**

The Academic Council is the premier and august body of scholars, which decides and monitors the implementation of Academic policies and profile of the University. The powers and functions of the Council are defined in the Regulations of the Institute. Amongst other major functions, the Academic Council controls and approves the courses in various curricula, defines the thrust areas, objectives and constantly reviews the activities of the Departments to ensure improvements in standards.

**CHAIRMAN**

**The Vice Chancellor of the University**

Prof. (Dr.) Vinod Kumar

**MEMBERS**

**i) Two Professors other than Heads of Departments by Rotation and by Seniority**

Prof. (Dr.) Sunil Kumar Khah – COE

Prof. (Dr.) Ashish Kumar – Dept of Civil Engineering

**ii) Two Distinguished Academicians nominated by the Pro-Chancellor**

Prof. Manoj Arora,

Vice Chancellor

PEC University, Chandigarh

Prof. Padam Kumar

Dean (R&D)

JIIT, Noida

**iii) Two Industry Professionals nominated by the Pro – Chancellor**

Sh. Sunil Sharma

Executive Vice Chairman

Jaiprakash Associates Ltd.

Sh. Vinod Sharma

Executive President

Jaiprakash Associates Ltd.

**iv) One Member from amongst the Heads of other Institution of the Trust**

Prof. S.C. Saxena

Vice Chancellor

Jaypee Institute of Information Technology (JIIT), Noida

v) **The Deans of all Faculty of the University**

Prof. Samir Dev Gupta  
Dean (Academic & Research)

vi) **Heads of the Departments/ Centres of the University**

- a) Prof.(Dr.) M. J. Nigam, HOD, Dept. of ECE
- b) Prof. (Dr.) Karanjeet Singh, HOD, Dept. of Mathematics
- c) Prof. (Dr.) P.B. Barman, HOD, Dept. of Physics & Material Science
- d) Prof. (Dr.) Brig. S.P. Ghrera (Retd.), HOD, Dept. of CSE & IT
- e) Prof. (Dr.) Ashok Kumar Gupta, HOD, Dept. of Civil Engineering
- f) Prof. (Dr.) Sudhir Kumar, HOD, Dept. of BT&BI
- g) Dr. Anupriya Kaur, HOD, Dept. of HSS

**NON – MEMBER SECRETARY**

Maj Gen Rakesh Bassi, SM (Retd.)  
Registrar & Dean of Students

[d] **FINANCE COMMITTEE**

**CHAIRMAN**

**The Vice Chancellor of the University**

Prof. (Dr.) Vinod Kumar

**MEMBERS**

**i) One Nominee of the Pro-Chancellor**

Sh. Sunil Sharma  
Executive Vice Chairman  
Jaiprakash Associates Ltd.

**ii) One Nominee of the Governing Council**

Maj Gen Rakesh Bassi, SM (Retd.)  
Registrar & Dean of Students

**iii) One Dean (by rotation) on the basis of Seniority**

Prof. Samir Dev Gupta  
Dean (Academic & Research)

**NON-MEMBER SECRETARY**

**The Finance Officer of the University**

Sh. Hemant Vyas  
Finance Officer

[e] **CONTROLLER OF EXAMINATION:**

Prof. Dr. Sunil Kumar Khah

[f] **BOARDS OF STUDIES**

- Electronics & Communication Engineering
- Computer Science & Engineering and Information Technology
- Bioinformatics/Biotechnology
- Civil Engineering
- Physics & Materials Science
- Mathematics
- Humanities & Social Sciences

8. **ORGANISATIONAL CHART AND PROCESS:**

<http://www.juit.ac.in/attachments/ORGANIZATION%20CHART.pdf>

(a) **Chancellor :**

The Chancellor by virtue of his office is the Head of the University and presides over the convocations of the Institute. The Governor of Himachal Pradesh is the Chancellor of the University.

(b) **Pro-Chancellor :**

In the absence of the Chancellor, the Pro-Chancellor presides over the Convocation of the University. He presides over the meetings of the Governing Council and is the Managing Trustee of Jaiprakash Sewa Sansthan (JSS) the Sponsoring Body of the University.

(c) **Vice Chancellor :**

The Vice Chancellor is a whole time salaried officer of the University and is appointed by the Chancellor from a panel of three names suggested by a Search Committee and presides over the Executive Council, Academic Council and the Finance Committee of the University.

(d) **Governing Council :**

The Governing Council is the principal policy defining body of the University. It is a compact and homogeneous body enabling it to provide new directions and focus to the University and monitor how well they are implemented and based on the progress assesses how the considered decisions is able to more effectively take the University forward in today's knowledge explosive world more efficiently.

(e) **Executive Council :**

The Executive Council is the executive body of the University. Its constitution and the terms of the office of its members, other than ex-officio members, are as prescribed in the Statutes.

(f) **Finance Committee :**

The Finance Committee is responsible for budgeting and management of funds of the University. It examines, scrutinizes proposals, annual accounts, estimates and fixes ceiling on expenditures both recurring and non-recurring.

9. **Nature and Extent of Involvement of Faculty and Students in Academic Affairs / Improvements**

(a) The Philosophy behind Faculty Student Involvement:

The University has been concentrating on Education, Training & Research in areas of Information Technologies, Biotechnology, Civil Engineering and IT-enabled Services. These are globally recognized as emergent areas of rapid growth in the next two decades. India is already recognized as a source and repository for highly trained manpower in IT related areas and is fast developing in Biotechnology applications. Graduates will have ample opportunity for employment in all these areas, and in contributing to national prosperity and global competitiveness of Indian industry. The University is committed to developing excellence in education, training and research. Institutionalized attempts are being made to promote and foster excellence in developing knowledge, learning and problem solving skills in all our students with positive attitudes and commitment to values in every student, faculty and staff.

(b) At JUIT, special emphasis has been placed on developing an environment highly conducive to building of a solid foundation of knowledge, personality development, confidence building, pursuit of excellence, self-discipline and enhancement of creativity through motivation and drive, which helps to produce professionals who are well trained for the rigors of professional and social life. All Students are encouraged to make life outside the classroom vibrant and enjoyable by engaging themselves in multiple extracurricular areas. Fun creativity, competition, distinction, establishing relationships with fellow students and others in the community and ultimately enhancing the value of their educational experience, is at the heart of all extracurricular activities.

(c) Concept of Faculty Involvement: The faculty focuses on mentoring, guiding and counselling the students for strengthening their critical thinking, problem solving, analysis, design, team work, communication skills and preparing students for life long learning. The faculty uses innovative techniques, interactive lectures, guided case studies, literature survey, regular lab assignments, project work for critical and creative thinking. As a pedagogical practice starting from first year courses itself, students are required to explore, study, summarise, critique, validate and evaluate classical as well as current research literature published by eminent research publishers. The faculty stresses on learner centric, active and



collaborative learning. Labs are used for developing skills to use and apply various theoretical concepts with professional competence. Every student has to undertake a Course project in each course to help him learn the knowledge application aspects of the course.

- (d) Each Department lays down Departmental visions, objectives and roles in shaping the profile of the graduates. These are discussed, validated and converted in curricula and teaching practice to achieve the desired goals. Thus every course has well defined outcome objectives that are quantified through the assessment process.
- (e) Faculty Development Programme(s) - JUIT believes in continuous training and development of its staff and teachers. The faculty is both multi-skilled and field specialized. Each year JUIT organizes FDPs to impart to its faculty the lessons in professionalism and pedagogy for improving the quality of teaching. The concept of treating students as a customer and caring for them assists the faculty in getting feedback and incorporating necessary improvements. Faculty Development Programme-Emphasizes on course preparation, lecture, tutorial and laboratory delivery, assessment techniques and obtaining feedback. This is undertaken through specific lectures by senior colleagues, followed up by 'demo sessions' and participation in coordinated work groups. At the end of every program, there is a review session along with interaction with Assessment Committee Members
- (f) Symposiums / Interactive Sessions / Seminars / Lectures / Presentations are frequently organized; both inhouse and by inviting eminent external speakers to improve the quality of knowledge and skills and contribute to the knowledge as also the developmental effort of the State & the Country.
- (g) Students are encouraged to explore the environment through participation in professional / curricular / co-curricular activities outside the University.
- (h) System of student mentoring has been put in place. Feedback is analysed at Departmental levels as also during meetings of various fora as to imbibe and include new and valid suggestions.
- (i) Faculty is encouraged for undertaking R&D projects and do research to upgrade their knowledge and contribute to the knowledge generation as also the developmental effort of the State and the Country.
- (j) Faculty is supported through financial incentives to attend conferences / make oral presentations / attend seminars and submit the reports, which are shared in the department for mutual benefit and enhancement of knowledge.
- (k) Students have formed a Youth Club called JYC, this is the sole student body of the college, which believe in furthering the development of the students as a whole, and strive to provide a climate that nurtures the holistic development of our students, an environment that is trusting and spontaneous; and encourages flexibility, celebration and recognition. This is achieved through annual cultural, technical fests, various events, parties, treks, outings and other spontaneous activities to maintain high levels of enthusiasm and team integration. Focusing on technical, literary, sports, and cultural competitive activities, apart from serving as a retreat from intense academic loads, these extracurricular activities present situations with opportunities that build confidence, encourages teamwork and gives students a strong sense of

achievement and belonging. The motto followed by them is "We're looking for commitment and passion for activities outside of the academic setting we're looking for depth rather than breadth."

- (l) Student profiling is undertaken in association with internal and external agencies to draw out the strengths of each student for guiding them in placement, entrepreneurship and research as per their aptitude.

#### 10. **MECHANISM / NORMS & PROCEDURES FOR DEMOCRATIC / GOOD GOVERNANCE**

The University has developed following methods:

- (a) Weekly Departmental meetings amongst HODs & faculty
- (b) Meeting of Vice Chancellor & HODs once in a fortnight.
- (c) Faculty meeting presided by the Vice Chancellor once in a month to discuss issues of Academics, Administration, feedbacks and suggestions besides reviewing the progress over all points.
- (d) Nomination of students' counsellors. Each faculty has been assigned specific number of students for mutual interaction. The role of faculty as student mentor is listed below:
  - (i) Act as local guardian of the students and therefore to perform all such activities as a local guardian should perform.
  - (ii) Continuously monitor their wards academic performance including attendance, marks in quizzes, minor tests, major tests and discipline,
  - (iii) Teach at least one course to such students as far as possible.
  - (iv) Discuss all issues with the students whether personal or official.
  - (v) Be in constant touch with their parents to inform of their progress.
  - (vi) Meet every student at least once every fortnight.
  - (vii) Appraise VC of the progress of the students once in a month.
  - (viii) Seek the help of the administration or VC to resolve problems, if necessary.
- (e) Direct access of faculty and students to the Vice Chancellor, HODs, Registrar and Administrative Heads. No timings have been laid down. Thus all problems are attended to with due urgency.
- (f) Forms have been devised to report any difficulty in the class-rooms which need attention of maintenance staff. The same are routed through the Vice Chancellor.

#### 11. **Grievance Redressal Mechanism for Faculty, Staff and Students**

- (a) Grievances of Faculty and staff: These are redressed through normal channel of HODs, Dean, Vice Chancellor, Pro Chancellor. Grievance Redressal Cell led by the Senior Functionaries of the University has been formed. For reporting Grievances of the staff / students, Grievance redressal platform is

available at the website of the University, wherein staff may report their grievances if any. Such reports are directly forwarded to the Chairman of the Cell and considering the nature of grievance necessary proceedings are made in the case, to the fullest satisfaction of the complainant. Also the University provides an Internal Complaint Committee (ICC) to address any Complaint from the girls students or lady teachers or non teaching staff as per the norms.

- (b) Students : -
- (i) Through Dean of Student (Welfare) and then to Vice Chancellor in matters other than Academics.
  - (ii) Through respective course coordinators HODs --Deans Vice-Chancellor in Academic matters.
  - (iii) Through Counsellors-- Vice Chancellor on all matters where student so desires.
  - (iv) Students have direct access to the Vice Chancellor without any laid down timings.

12. Names of Programmes being conducted

- (a) Bachelor of Technology in:
- (i) Electronics & Communication Engineering
  - (ii) Computer Science & Engineering
  - (iii) Information Technology
  - (iv) Biotechnology
  - (v) Bioinformatics
  - (vi) Civil Engineering
- (b) Master of Technology in:
- i) M. Tech – Civil Engineering (Specialisation in Structural Engineering)
  - ii) M.Tech – Civil Engineering (Specialisation in Construction Management).
  - iii) M.Tech – Computer Science & Engineering
  - iv) M. Tech. – Civil Engineering (Specialisation in Environmental Engg)  
This Programme has not been commenced in Academic Year 2018-19 due to inadequate response.
  - v) M.Tech- Bio Technology: This Programme has not been commenced in Academic Year 2018-19 due to inadequate response.
  - vi) M.Tech-Electronics & Communication Engineering: This Programme has not been commenced in Academic Year 2018-19 due to inadequate response.

vii) M.Tech- Computer Science & Engineering (Information Security) - :  
This Programme has not been commenced in Academic Year 2018-19 due to inadequate response.

(c) M.Sc. Programs in: This Programme has not been commenced in Academic Year 2018-19 due to inadequate response

- i) Biotechnology
- ii) Bioinformatics
- iii) Statistics
- iv) Physics

(c) Ph.D programmes in Computer Science, Electronics & Communication, Biotechnology and Bioinformatics, Physics & Materials Science, Humanities & Social Sciences and Mathematics.

13. Names of Programmes Accredited by the AICTE - The following are Accredited:

- 1) Electronics & Communication Engineering
- 2) Biotechnology

14. Details of Each Programme :

Name	No.of Seats	Duration
<b>(a) UG Programme (B Tech)#</b>		
ECE	90	4 Years
CSE	240	4 Years
IT	60	4 Years
BT*	60	4 Years
BI*	30	4 Years
Civil	90	4 Years

\*50% of seats in programs marked \*(Biotechnology & Bioinformatics only) shall be allotted through JEE Main rank on merit basis. The balance 50% seats in these programs (Biotechnology & Bioinformatics only) shall be allotted on the basis of merit at 10+2 examination for the students having Biology/Biotechnology at 10+2. #20% Seats shall be allotted in the basis of merit at 10+2 examination.

**(b) PG Programme (M Tech)**

- i) M.Tech- Bio Technology - 18 Seats
- ii. M.Tech- Civil Engineering (Specialization: Environmental Engineering)-18 Seats
- iii. M.Tech- Civil Engineering (Specialization: Structural Engineering) - 18 \ Seats
- iv. M.Tech- Civil Engineering (Specialization: Construction Management) - 18 Seats

- v. M.Tech-Electronics & Communication Engineering- 18 Seats
- vi. M.Tech- Computer Science & Engineering- 18 Seats
- vii. M.Tech- Computer Science & Engineering (Information Security))- 18 Seats

**d) M.Sc. – This program has not commenced in Academic Year 2018-19 due to inadequate response.**

M.Sc. Bioinformatics -30	}	These programs has not been commenced in Academic Year 2018-19 due to inadequate response.
M.Sc. Biotechnology – 30		
M.Sc. Statistics – 30		
M.Sc. Physics – 30		

**(c) Ph.D Programmes are run for 3 years and onwards with course requirement to be completed within one year.**

**(d) Cut-off mark / Ranking for Admission in last two years :**

- (i) UG Programme : 80 per cent admissions to B.Tech. programme are based on JEE(Mains) – All India Rank and 20 percent based on 10+2 marks merit. Last two years cut off rankings are as under:-

<b>Year</b>	<b>JEE Rank</b>		<b>10+2 Marks merit</b>	
	<b>Min</b>	<b>Max.</b>	<b>Min.</b>	<b>Max.</b>
2017	65909	1102233	59	93.6
2018	50017	108290	57.4	91.8

- (ii) PG Programmes : The students to PG Programmes have been admitted based on merit in GATE or internal entrance test (PGET) followed by interview. The cut off percentage for last two years is as under:-

<b>Year</b>	<b>GATE</b>		<b>UG%</b>	
	<b>Min.</b>	<b>Max.</b>	<b>Min.</b>	<b>Max.</b>
2017	-	-	6.02	9.05
2018	443	443	6.8	8.7

**15. Placement Facilities :**

- (a) Training and Placement is an important activity. T&P cell is mainly responsible for arranging practical training of the Undergraduate students to meet their degree requirement and to facilitate the placements of undergraduate & postgraduates' students in suitable jobs in the Industry and various private & public sector organizations. To facilitate placements T&P cell invites senior executives of Major industries /organizations to give talks to the

students at Campus which helps them acquire better knowledge about the organization prior to campus interviews.

- (b) The students are given training in various skills to make them well tuned to the needs & requirements of the industry. Various internal & external professionals are involved in these trainings on regular and continuous basis.
- (c) Placement Status

Please visit the link for detail (<http://www.juit.ac.in/training-placement>)

- 16. Names and Duration of programme(s) having affiliation / collaboration with Foreign Universities / Institutions - Please visit the link for detail (<http://www.juit.ac.in/international-linkages> )
- 17. Details of Foreign University / Institution : Please visit the link for detail (<http://www.juit.ac.in/international-linkages> )

#### FACULTY :

- 18. Branch-wise List of Faculty : provided on the JUIT website [www.juit.ac.in](http://www.juit.ac.in)
- 19. Visiting Faculty : The Institute has following visiting faculty;

#### LIST OF VISITING/GUEST FACULTY

S.No.	Name	Branch
1.	Dr. Anu T. Singh, Dabur Research Foundation	BT & BI
2.	Dr. Mohd. Aslam, DBT, New Delhi	BT & BI
3.	Dr. M.K. Sahib, DBT, MoST, Mumbai	BT & BI
4.	Dr. Shriram Raghavan, Evolva Biotech Pvt. Ltd., Chennai	BT&BI
5.	Dr. Steffen Danielsen, Nobozymes, Bangalore	BT&BI
6.	Prof. K K Jain, JUET, Guna	CE
7.	Dr. Ajay Shanker, University of Florida, USA	CE
8.	Prof. H.M. Gupta, IIT, Delhi	ECE
9.	Prof. Om Vikas,	CSE
10.	Prof. Himanshu Rai, IIM, Lucknow	HSS
11.	Prof Alok Rai, FMS-BHU	HSS
12.	Dr. Neha Sharma - German Language	HSS
13.	Ms. Seema Sharma - German Language	HSS

#### 20. Adjunct Faculty :

- (a) Prof. Nalin Sharda, Associate Professor in Computer Science and Multimedia, Victoria University.
- (b) Dr. Mukul K Sinha, MD, Expert Software System and visiting Professor, Indian National Academy of Engineering.
- (c) Dr. Om Vikas, Former Director, Atal Bihari Vajpayee Indian Institute of Information Technology & Management(ABV-IIITM), Gwalior.

21. Guest Faculty :

The University avails the expertise and experience of following through guest lectures and presentation. The Guest faculty / lecturers who have participated / conducted important events over last two years are as follows :

- (a) Prof. William C. Webster - University of California, Berkley, USA
- (b) Prof. Karl Dieter Entian Director, Institute of Microbiology, University of Frankfurt, Germany
- (c) Prof. V Sitaraman Head of the Department, Biotechnology, Pune University

22. Emeritus Professor of this University : Prof. Sukumar Basu

23. Faculty : Student Ratio : 1:16

24. No. of faculty employed and left during last three years

- (a) Left - 54
- (b) Employed - 60

**PROFILE OF FACULTY :**

25 The profile and details of faculty as per laid down format are given on the University website: [www.juit.ac.in](http://www.juit.ac.in)

**FEE :**

26. Details of fee approved by the Governing Council:

- (a) UG Programmes
  - (i) Tuition Fee (per Semester) - Rs. 95,000 per Semester
  - (ii) Hostel Charges Including boarding, Lodging and Laundry - Rs. 47,500 per Semester
  - (iii) Caution Money (refundable) - Rs. 10,000 one time
- (b) Time Schedule for payment of fee - For details of Fee schedule visit Admission Link
- (c) No. of fee waiver granted with amount and name of student  
Following types of waiver are allowed as approved:
  - (i) Students from Bhutan under Scholarship Scheme - 100% Tuition & Hostel Charges are waived off for 36 Bhutanese students, enrolled in all program. List is as below,

SL NO	ENRL NO	STUDENT NAME	GENDER
1	151113	AKAL SINGH GURUNG	M
2	151438	CHE CHEY	F
3	151439	SONAM MENDA	F
4	151440	DEM ZAM	F
5	151441	TSHEWANG DEMA	F
6	151610	KUENZANG SC CHODEN	F
7	161628	SANGAY ZANGMO	F
8	161629	NGAWANG DOLKAR	F
9	161630	PEMA ZANGMO	F
10	161631	SONAM TSHOMO	F
11	161632	CHEKU DORJI	M
12	161692	LEKI WANGCHUK	M
13	161693	KARMA YANGZOM	F
14	161694	PEMA YANGDEN	F
15	161695	PARMILA GURUNG	F
16	161698	NGAWANG DORJI	M
17	171388	DAWA TENZIN	M
18	171672	TENZIN	M
19	171673	LEKI	M
20	171674	PASSANG WANGDI	M
21	171675	SONAM WANGMO	F
22	171676	BIKASH SUBBA	M
23	171677	KINZANG PELDON	F
24	171678	GANGA RAM GHALLEY	M
25	171679	TSHECHIK DEMA	F
26	171680	SONAM RINCHEN	M
27	181647	SONAM DORJI	M
28	181648	PASSANG DORJI	M
29	181649	PHUB DORJI	M
30	181650	SONAM TSHERING	M
31	181651	TSHERING GYELTSHEN	M
32	181652	KINLEY ZAM	F
33	181653	SONAM TSHEWANG DEMA	F
34	181654	DECHEN TSHOMO	F
35	181655	NAMGAY WANGMO	F
36	181656	PEMA YUDEN	F

- (ii) Students who are wards of Jaypee Group - As per prevailing policy at the time of admission of the student. Normally concession in Tuition Fee and Hostel charges are being given considering the length of services / rank of the employee. Continuation of the same is subject to good academic performance of the student. As on date 09 students are availing this partial fee waiver. List is as below



SL NO	ENRL NO.	NAME	GEN D ER
1	151376	DIVYA AMETA	F
2	161115	SARTHAK SRIVASTAVA	M
3	161811	SHIVANGINI SINGH	F
4	171002	AYUSH KUMAR JAISWAL	M
5	171335	AYUSH SINGH	M
6	171460	ABHINAV MISHRA	M
7	181016	KAMLESH KUMAR	M
8	181017	KSHITIJ SHARMA	M
9	181468	MANVI TIWARI	F

(d) No. of Scholarships offered by the Institute, Duration & Amount

The Institute offers Prof. William C. Webster merit cum means scholarship which provides for tuition fee waiver for one semester in a year, amount equivalent to one semester tuition fees. The selection is carried out by a Committee. Selection are done after first semester result and this scholarship is continued if student maintain the requisite criteria for subsequent semester. At any given time four students @1 per batch are entitled some students are availing this scholarship. List is as below,

SL NO	ENRL NO	NAME	GENDER
1	141677	VIKASH KUMAR	M
2	151013	MOHIT PATEL	M
3	161330	SATYAM AGGARWAL	M
4	171043	SAURAV ANAND	M

(e) Criteria for waiver / scholarship

(i) Tuition fee waiver - See Para 26 (d) above

(ii) Scholarship: - See Para 26(d) above

(aa) Combined income of parents should be less than 1.5 lacs per annum.

(ab) Merit is based on marks in 10th standard, 10+2 standard and Ist semester in ratio of 15%, 35% and 50% respectively.

(f) Estimated cost of boarding and lodging : See 26(a)(ii) above.

(g) Scholarship for M. Tech. Rs. 12000/- per month to GATE qualified candidates

(h) Research Fellowship for Ph.D. Students Rs.22000/- per month to Full Time Research Scholars.

## **ADMISSION**

27. Number of seats sanctioned with the year of approval :

The intake is reviewed and approved by the Governing Council. Currently for Academic Year 2018-19 it is as follows:

(a) UG Programs - ECE-90, CSE -240, IT-60, BT-60, BI-30, CE-90

Note: These includes seats under NRI / NRI sponsored quota.

(b) PG Programmes – 126 (M.Tech.) + 120 (M.Sc.)

(c) Ph.D - As per recommendations of Ph.D Scholars Selection Committee and availability of Supervisors.

28. Admission Status for the Academic Year 2018-19

[http://www.juit.ac.in/attachments/Admission\\_status2018-19.pdf](http://www.juit.ac.in/attachments/Admission_status2018-19.pdf)

29. No. of Applications Received During last two years for Admission under Management Quota and Nos. admitted : No such quota available. Seats offered in order to merit of candidate based on JEE (Mains) All India Rank / 10+2 Marks Merit of the candidate.

30. **Admission Procedure**

<http://www.juit.ac.in/admissions.php>

31. **Calendar for Admission :**

(i) Last date for request and Submission for Application : 25<sup>th</sup> June, 2018

(ii) Dates for Announcement of Results : On the day of physical counselling itself.

(iii) Release of Admission list and Waiting list : After Counselling

(iv) Starting of Registration : 16 & 18 July 2018

(v) Refund policy :

## Refund Policy

If a student leaves the program, fee shall be refunded as per UGC D.O Letter no. 1-3/2007(CPP-II) dated 6th December 2016 as below:

S.N	Percentage of Refund of Aggregate fees*	Point of time when notice of withdrawl of admission is served to University
1	100% **	15 days before the formally notified last date of admission, i.e 30th August 2017
2	80%	Not more than 15 days after the formally notified last date of admission, i.e by 14th September 2017
3	50%	More than 15 days but less than 30 days after formally notified last date of admission, i.e between 15th September 2017 to 29th September 2017
4	00%	More than 30 days after formally notified last date of admission, i.e after 29th September 2017.

\* (Inclusive of course fee and non-tuition fees but exclusive of caution money and security deposit) \*\* 10% of the aggregate fee from the refundable amount shall be deducted as processing charges. Fess shall be refunded to an eligible student within 15 days from the date of receiving a written application from him/her. Further, it may be noted that the Hostel charges shall be refunded on pro-rata basis (calendar month based deductions – part month stay treated as full month)starting from the date of occupying the hostel seat.

1<sup>st</sup> Year classes to commence – 17 July, 2018

### CRITERIA AND WEIGHTAGE FOR ADMISSION:

32. Criteria for Admission :

(a) UG Programmes :

(i) All UG

Merit based on JEE (Mains) All India Rank / 10+2 Marks Merit (50% seats of BT/BI offered through 10+2 merit & rest through JEE Mains). (For branches other than BT/BI 80% seats

through JEE (Mains) All India Rank and rest 20% through 10+2 Marks Merit).

- (ii) NRI/NRI Sponsored Seats: 60% aggregate in 10+2 examination with Physics & Mathematics as compulsory subjects (for branches other than BT/BI) and Biotechnology/Biology & Physics as compulsory subjects (for BT/BI branches).

- (b) Post Graduate Programme

Merit based on GATE Score / Joint Entrance Test (PGET) conducted by the University.

33. Minimum Level of Acceptance : To be decided by the Admission Committee from year to year.

34. Level of percentage & percentile score in Admission Test for last three years :

(a) UG Programme :	<u>Last Three Years JEE (Mains)</u>		
		<u>Min.</u>	<u>Max.</u>
	2016	58483	558097
	2017	65909	1102233
	2018	50017	1008290

- (b) NRI/NRI Sponsored :

<u>Year</u>	<u>NRI / NRI Sponsored</u>	
	<u>Min.%</u>	<u>Max.%</u>
2016	60	88.2
2017	78.1	93
2018	-	-

- (c) PG Programme(s) :

<u>Year</u>	<u>GATE</u>		<u>CGPA</u>	
	<u>Min.</u>	<u>Max.</u>	<u>Min.</u>	<u>Max.</u>
2016	380	433	6.38	83.5%
2017	-	-	6.02	9.05
2018	443	443	6.8	8.7

35. Students attending physical counselling are called in order of merit for confirming seats to their desired program / course and live status of availability of the seats are being displayed in Hall through Projector.

## ADMISSION FORMS

36. The Admission Forms, Procedures and Schedule of admission is available on the University website, <http://www.juit.ac.in>.

## LIST OF APPLICANTS

37. The list of candidates who qualify for the counselling is displayed on the web site, along with JEE ranking and 10+2 merit. The candidates are also advised to report for counselling through SMS & e-mail in case individual letters sent to the merit listed candidates fail to reach them.
38. No Lists are applicable against Management Quota, as JUIT does not offer any such quota.

## RESULTS OF ADMISSION UNDER MANAGEMENT SEATS / VACANT SEATS:

39. "NOT APPLICABLE AS NO ADMISSIONS ARE ALLOTTED AGAINST VACANT SEATS, THROUGH MANAGEMENT QUOTA. ALL SEATS ARE FILLED THROUGH COUNSELLING" ON MERIT.

## INFORMATION ON INFRASTRUCTURE

40. Library :

The LRC of the Institute is a state of Art modern, student friendly complex which provides all facilities needed by the students to assist them in their studies. Briefly the features of LRC are given below:-

(a)	Seats	:	295
(b)	PC Terminals	:	65
(c)	Titles	:	20,595
(d)	Volumes	:	39,077
(e)	Journals Bound Vol. International	:	1394
	(i) National (Print)	:	48
	(ii) International (Print + Online)	:	19+2438=2457
	(iii) Magazine	:	41
(f)	<b>Electronics Database</b>		
	(i) IEEE	:	207 (Journals) + 3855 (Conf. Proceedings)=4062
	(ii) ACM	:	66 (Journals) + 1082 (Conf. Proceedings)=1148
	(iii) Springer's Link	:	1700 (Journals)
	(iv) ASCE	:	37 (Journals)
	(v) IET	:	31 (Journals) + 1494 (Conf. Proceedings)=1525
	(vi) ASTM	:	9 (Journals) + 1715

- (vii) South Asia Archive : (Monographs, etc)=1724  
388 (Journals) + 213 (Conf. Proceedings)=601, 2595 (e-Books)
- (viii) World eBooks : 41+ Lakh
- (ix) MathSciNet : Abstracting Databases
- (x) SIAM : 372 (e-Books)
- (g) Daily Newspapers : 12 (48 Copies)

41. Laboratory:

(1) IT Infrastructure Centre

The main objectives of the Server Room ( IT Infrastructure Center) are to provide support to all the members of JUIT on all aspects of academic computing, to implement and maintain IT infrastructure and application software, to impart introductory and advanced instructions to users, generate trained manpower to maintain IT infrastructure ( Servers, Desktops, Network, Projectors, Printers, UPS, Wi-Fi, sound system, scanner ), to provide support to institute computerization efforts, to do in house research & development, and to serve a user population of more than 3500 users consisting of undergraduate students, postgraduate students, research scholars, faculty and staff of the institute.

In addition, it also owns the responsibility to develop and implement application software for various needs of the Institute like finance, payroll, results, MIS reports and electronic attendance system etc.

- **General Computing Facilities**

The Server Room is equipped with IBM X series Server for high performance Unix Computing Server, Intel Xeon servers with multiple processors, High end Intel Pentium server with multiple processors, various engineering and technical computing software, network management tools, Client/Server Database computing system connected over a switched fast Ethernet with Optical fiber backbone.

For our printing needs we have total 65 printers with 14 heavy duty Network Printers and 1 Line matrix printers.

- **Hardware configuration**

<u>Server Details</u>			
S.No	Server	Configuration	Quantity
1	IBM X Series 235	Intel® XEON 2.4 GHz 4 GB RAM 73 GB SCIC HDD with RAID Support.	2

2	IBM X Series 226	Intel® XEON 3.0 GHz 4 GB RAM 140 GB SCIC HDD with RAID Support.	1
3	IBM System X 3400	Intel® XEON 2.0 GHz 4 GB RAM 956.32 GB SCIC HDD with RAID Support.	6
4	IBM server X 3100 M4	Intel® XEON E31220 @ 3.10 GHz 8 GB DDR IV RAM 1200 GB SCIC HDD with RAID 5 Support , 17 inch TFT monitor	3
5	CR 1000i	10 10/100/1000 Gigabit ports with 3.5 Gbps firewall throughput and 600 Mbps anti-virus throughput	2
6	IBM X Series 3500	Intel® XEON 2.26 GHz 6 GB DDR III RAM 1200 GB SCIC HDD with RAID 5 Support , 17 inch TFT monitor	6
7	HP ML 110G SERVER	Intel XEON QUAD Core X3430 Processor, 4 GB DDR III RAM 250 GB HDD sata , 18.5 inch TFT monitor	2
8	Dell	Dell Precision Tower 3420 with Intel Xeon E3-1225 3.3 ghz,8gb ddr4,19 inch tft and mouse	10
9	IBM X3300	IBM server x3300 m4 server 16 gb ram,1200 gb hdd with raid 5 card	1
10	HP rack server	hp dl 60 gen 9 intel xeon e5 (2.1 ghz/8core/20 mb/85w) Additional processor 2620 v4 2.1 ghz,8 core & 20 mb 13,16 gb X3 ram,HPE 240 smart HBA,hpe 6 tb hdd X4	1
11	HP rack server	hp dl 60 gen 9 intel xeon e5 (2.1 ghz/8core/20 mb/85w) Additional processor 2620 v4 2.1 ghz,8 core & 20 mb 13,16 gb X3 ram,HPE 240 smart HBA,hpe 3 tb hdd X3	2
12	HP rack server	hp dl 60 gen 9 intel xeon e5 (2.1 ghz/8core/20 mb/85w) Additional processor 2620 v4 2.1 ghz,8 core & 20 mb 13,16 gb X3 ram,HPE 240 smart HBA,hpe 2 tb hdd X3	1
<b>Total Number of Server</b>			37

### Desktop Details

S.No	Brand	CONFIGURATIONS	QTY
1	IBM	P IV with 3 GHz, 80 GB HDD & 512 MB RAM and 17 inch monitor	99
2	IBM	Core 2 due 2.4 Ghz, 160 GB HDD & 1 GB RAM 17 inch Monitor	52
3	IBM	P4 2.8 Ghz,40 GB HDD,512 MB RAM & 15 inch Monitor	9

4	IBM	P4 3.06 Ghz,80 GB HDD,512 MB RAM & 15 inch Monitor	10
5	IBM	Celeron 2.4 Ghz,40 GB HDD,256 MB RAM & 15 inch Monitor	10
6	IBM	Dule core 1.8 Ghz,80 GB HDD ,1 GB RAM & 17 inch Monitor	40
7	IBM	Dule core 1.8 Ghz,80 GB HDD ,512 MB RAM & 17 inch Monitor	15
8	IBM	INTEL CORE 2 DUO,160 GB HDD,4 GB RAM & 17 inch Monitor	2
9	IBM	INTEL CORE 2 DUO,160 GB HDD,2 GB RAM & 17 inch Monitor	50
10	IBM	INTEL CORE 2 DUO,160 GB HDD,2 GB RAM & 17 inch Monitor	125
11	IBM	core i3-530 (2.92 GHz) with 2 GB RAM ,250 GB Sata HDD,18.5 inch TFT Monitor	90
12	IBM	Core I3- 2100 3.10 GHz with 2 GB RAM ,320 GB Sata HDD,18.5 inch TFT Monitor	80
13	IBM	Core I3- 2100 3.10 GHz with 4 GB RAM ,500 GB Sata HDD,dvd rom,18.5 inch TFT Monitor	120
14	HP	Intel core i5-6500 3.2 G 6M 2133 4C CPU with 18.5 inch TFT ,KB and Mouse	190
15	Dell	Desktop Dell i5 7th gen,8 gb ram,1 tb HDD with 18.5 inch tft	300
<b>Total Number of computers</b>			<b>1192</b>

### **Engineering and Technical Computing Software.**

<b>Software Details</b>		
<b>S.No</b>	<b>Product Title</b>	<b>No of Licenses</b>
1	Hyperchem Release 7	10
2	Matlab ver 7.1	30
	Simulink	30
	CDMA Reference Blockset	5
	Communications Blockset	5
	Communications Toolbox	5
	Signal Processing Toolbox	5
	Wavelet Toolbox	5
3	Library Automation – Alice	Unlimited
4	MS Office Professional Plus 2007	100



5	Windows Server Enterprises 2003	3
6	Adobe Premier Pro Ver 7.0	20
7	Cold Fusion MVLP Ver 6.1	10
8	Flash MX 2004 MVLP	20
9	Micro Media Director Shockwave Studio for windows English AE	10
10	Symantec Anti virus	1000
11	SQL Server 2000 Standard Edtn	1
12	Windows Server CAL 2003 English OLP NL AE Device CAL	4
13	VStudio .Net Pro 2003 Win32 English OLP NL AE	15
14	Office XP Pro Win 32 English	20
15	VStudio .Net Pro 2002 Win32 English	9
16	ISA Server 2000 English	1
17	Windows Advanced Svr 2000 English.	1
	Windows CAL 2000 English OLP NL AE	23
18	DB2 UBD Enterprise Server Edition .	1
19	IBM Tivoli Storage Managed Processor	1
20	Cyberoam software for internet	1
21	Schrodinger For Biotech	1 user 25 Token
22	Lotus Domain	100
23	AutoCad 2005 Education	5
24	A'Desk 3 ds Max 6 (Edu)	20
25	Rational suit Enterprise Software	20
26	Mathematica Ver 5.0	10
27	Autocad 2004 Network User	10
28	Maple 9.5	1
29	Sun Solrix Ver 8	35
30	Window XP Proffesional	20
31	Oracle 9i	10
32	Visual Prolog ver 6.1	15
33	Soft image xsi Ver 4.0	20
34	Staad Pro	5
35	SPSS Base 16.0	15
36	Oracle 11g	1
37	Clarity Digital Multimedia Language Lab	31
	Clarity English Teaching Software from U.K	
	1. Sky Pronunciation Suite	5
	2. Connected Speech	5

	3. Tense Buster Compilation	5
38	NI Lab View Academic Site License 2010	50
39	Pasw Amos 18.0	3
40	Windows Server Enterprise 2008 with media	10
41	Antivirus Symantec Protection Suite enterprise edition 3.0	1000
42	Bentley Civil of perpetual network based software a.Mx Road V8 b.Power Civil c.Power Map	5
43	Ansys release 12.1	
44	HyperLynx 3d EM Super Structure Designer V 15.2	3
45	Auto CAD 2013	30
46	Matlab ver 10	50
	Simulink	10
	Filter Design Toolbox	10
	Communications Blockset	10
	Communications Toolbox	10
	Signal Processing Toolbox	10
	Video and Image processing Blockser	10
47	Window server standard 2012	4
48	Geo 5 suit of Software with various modules	50
49	Xilinx UEF-VIVADO_SYSTEM	25
	Base2 100	7
	Atlys Spartan-6 FPGA Development Board	1
50	8.1 V Clarity Snet Language Lab software 1 teacher + 30 User	30 user
	Tense Buster V9 for 20 user	20 user
	Business writing for 30 user	30 user
51	SPSS Base 24.0	1
	SPSS Advance Statistics	1
	SPSS regression	1
	SPSS Neural Network	1
	SPSS conjoint	1
	SPSS Amos 24.0	1
	<b>SPSS Categories</b>	<b>1</b>
52	Acrobat Pro 2017	10
53	Windows server 2016 pro	4

The Server Room has a Client/Server Database Computing System – Oracle 11g with Developer 2000 version 6.0 at front end, the platform is windows NT/2000/2003.

### Network Services

The University Local Area Network (LAN) is a state of the art switched network with Fiber Optical and enhanced CAT5e/CAT6 UTP Backbone. It consists of more than 3500 network access points spread using 73-3 com switches, 3 Cisco Routers, 26 Cisco switches, 17 Cisco AP, 6 HP AP and 16 VLANs.

The network access is provided to every room in student's hostel, faculty & staff residence, doctors at JUIT hospital, mess, laboratories and rooms in guest houses.

Internet connection has been provided through a router. We have 1 Gbps (1: 1) leased circuit from BSNL and Railtel (27 MBPS) on OFC. Apart from internet and intranet many more services including mail, web, and library book search, domain name, antivirus and software upgrades are being provided over this network.

JUIT is using Cyberoam Suite to manage internet bandwidth and mailing services. Cyberoam is consists of software firewall, anti spam controller, content filtering and antivirus protection at gateway level. Lotus Domino is being used by JUIT for official mailing services.

LAB DETAIL (Please visit the website [www.juit.ac.in](http://www.juit.ac.in))

- 1) [Department of Electronics and Communication](http://www.juit.ac.in/electronics-and-communication-laboratories)  
(<http://www.juit.ac.in/electronics-and-communication-laboratories>)
- 2) [Department of Computer Science & Engineering and Information Technology](http://www.juit.ac.in/departament/cse&it/CSE&ITLaboratories.php)  
(<http://www.juit.ac.in/departament/cse&it/CSE&ITLaboratories.php>)
- 3) [Department of Biotechnology and Bioinformatics](http://www.juit.ac.in/biotechnology-and-bioinformatics-laboratories)  
(<http://www.juit.ac.in/biotechnology-and-bioinformatics-laboratories>)
- 4) [Department of Civil Engineering](http://www.juit.ac.in/civil-engineering-laboratory) (<http://www.juit.ac.in/civil-engineering-laboratory>)
- 5) [Department of Physics and Material Science](http://www.juit.ac.in/physics-and-materials-science-laboratories) (<http://www.juit.ac.in/physics-and-materials-science-laboratories>)
- 6) [Department of Humanities and Social Sciences](http://www.juit.ac.in/humanities-and-social-sciences-language-lab)  
(<http://www.juit.ac.in/humanities-and-social-sciences-language-lab>)

## TEACHING LEARNING PROCESS

42. Teaching Learning Process:

### **Project Based Learning**

To train the students in applying the knowledge acquired in each course and to understand and develop the problem solving skills, every student has to complete a minor project in each course and then at the end of the program has to complete a major project with specific credits mentioned in the course structure.

### **Group & Self-Learning**

This is a very effective means towards preparing professionals who are proactive in seeking and acquiring knowledge rather than having it imparted only in the classroom. Free exchange of ideas among the group members through discussions and presentations not only leverages on time effort but also enhances teaching and communication skills. Every course syllabus has a list of URL's from where the

student can get additional content and learning resources. This encourages the student to explore, learn & expand the classroom teaching and also equips them to enhance self learning capabilities. Aptitude is developed for self-study and use of web resources and data banks to foster life long learning.

### **Problem Solving Exercises**

Problem solving is an integral part of the teaching-learning process. Lectures emphasize this aspect through carefully set, open-ended design problems. Students are organized in small groups where an opportunity is provided to do problem solving, engage in design exercises, and perform information search and processing.

#### 43. Academic Calendar of the University :

Please visit the link for detail:

Academic Calendar 2018-19

<http://www.juit.ac.in/attachments/AcademicCalendar2018-2019.pdf>

Academic Calendar 2017-18

<http://www.juit.ac.in/attachments/AcademicCalendar2017-2018.pdf>

#### 44. Internal Continuous Evaluation System :

The teaching-learning process :

It is to develop a number of qualities in students. These are as follows:

- Sustained Disciplined Work

Since the University uses multidimensional assessment model which demands that the teacher provides students the opportunity to participate in quizzes, R&D seminars, tests and assignments throughout the semester hence the ability to put in sustained and disciplined hard work over the entire length of semester is one of the key factors to success in professional life. A typical semester is designed in an intensive and a modular fashion with an emphasis on regular and continuous work. The Evaluation System (see section 3) is designed to encourage this concept.

- Self Learning

In its attempt to move away from teacher-centered learning to student-specific learning, the curriculum actively encourages self learning. For this purpose 15% of the time allotted to theory and tutorial classes is specifically earmarked for independent study. That is, Self learning time per course = (theory time + tutorial time)\*0.15

- Flexibility in Pace of Learning

The evaluation system makes special provision for different paces of learning for different students. Yet, it attempts to inculcate respect for deadlines. Thus, while specifying a time limit within which tutorial/practical work must be completed, there is scope to submit such work beyond the deadline. However, there will be a small penalty for late submission. The faculty will notify of the penalty for late submission for each tutorial/practical session and also the time up to which late submissions will be accepted.

- Design Orientation

The curriculum is structured so that basic implementation skills and design skills are interwoven together. Thus, for example, a student of Programming Systems learns not only how to program but also how to design programs (The teaching-learning process structures a course in the two levels of implementation and design).

- **Quality Consciousness**

Students are made to be aware of the importance of continuous improvement, building zero-defect products and doing quality work. All courses emphasize on quality as an integral part of teaching the various standards and how they are used. Students are taught how to test and certify their laboratory work and how to evaluate the worth of theoretical results.

- **Co-operative Working**

Given the complexity of technological problems of today, large multi-disciplinary & multi domain teams work together to provide solutions. Thus, it is very important to learn group dynamics and to work in teams. Through co-operative project work wherever possible, the Institute encourages students to learn to select teams, resolve leadership and group issues and in general, to make effective operational process based work & activity models.

- **Evaluation System :**

Refer JUIT Regulations and Ordinances available link : [http://www.juit.ac.in/attachments/ORDINANCES\\_UGPGPHD.pdf](http://www.juit.ac.in/attachments/ORDINANCES_UGPGPHD.pdf)

45. Student Assessment of Faculty : System in Place on-line and the feedback so obtained for the course, teaching-learning environment and teachers note is used to improve the curricula on a continuous basis.

The system of interaction of students, HODs and Vice Chancellor either directly or through counsellors have proved effective in management of issue.

46. Research Activities

The University has a large focus on R&D and has started from its very inception to encourage faculty members to engage in research. The University is a recognized “Centre of Excellence” by DBT and assisted by DST under FIST. It has also been rated as the No. 1 Biotechnology Department in India among the private Universities.

At the University, a “Computer Communication Research Group” (CCRG) has been set up. The CCRG is dedicated to basic and applied research in computer communication. Research focuses on new algorithms, protocols, and architecture for wireless networks based on packet switching (i.e. packet-radio networks), internetworking, multipoint communication, and the control of resources by multiple administrative authorities.

#### Wireless Networks, Channel Access and Mobile Computing

The Group is developing new algorithms and protocols for wireless networks based on packet switching, i.e. packet-radio networks. A multi-hop packet-radio network is an ideal technology to establish an “instant communication infrastructure”

in disaster areas, which support Indian military needs, and extend the global communication infrastructure to the wireless mobile environment.

The research problems being addressed include channel access, routing, multicasting, congestion control, topology management, end-to-end reliable communication, and security.

#### Internetworking

Internetworking technology has been tremendously successful. As the Internet continues to evolve, today's internetworking technology is challenged by growth, the provision of multiple types of services at varying speeds, the support of collaborative environments that require real-time multipoint communications, the control of resources by multiple administrative authorities, and the interoperation of different types of high-speed internets.

Research problems being addressed in this area include scalable routing architectures and protocols, scalable multicast routing, end-to-end reliable multicasting, and security.

#### Multimedia Collaboration

Ultimately, computer communication research aims at supporting and augmenting people's ability to communicate, coordinate, and collaborate remotely, using online tools and information in a distributive manner.

The Group is developing new protocols and middleware for group coordination and distributed multimedia resource allocation, augmenting tele-collaboration and distance learning.

Future plans for new courses include starting a UG and PG program in Biotechnology, relevant PG (M.Tech.) courses in the disciplines of Electronics & Communication, Computer Science & Engineering and Information Technology, Bioinformatics, and Civil Engineering.

### **INNOVATIVE PROGRAMS**

- (i) The University has been introducing many new concepts and techniques in pedagogy as also in the ICT applications in Education, Training & Research using State-of-Art Information & Communication Technologies, Bioinformatics/Biotechnology, and IT-enabled Services. These are globally recognized areas of rapid growth in this decade. India has been already recognized as a source and repository for highly trained manpower in IT, ITeS and related areas and is fast developing in Bioinformatics/Biotechnology applications. Our Graduates have been excelling in all these areas, and in contributing to national prosperity and global competitiveness of Indian industry.
- (ii) JUIT is committed to developing excellence in education, training and research through innovative process and methodologies. Institutionalized attempts are being made to promote and foster excellence in developing knowledge skills and attitudes in all students and commitment to values in faculty and staff.
- (iii) Faculty Development Program - Conducted once every year with emphasis on outcome based course preparation, lecture, tutorial and laboratory delivery assessment techniques, and feedback based continuous upgradation of course contents pedagogy and assessment methodology is yielding encouraging results. .

This is undertaken through specific lectures by senior colleagues, followed up by 'demo sessions' and participation in coordinated work groups. At the end of every program, there is a review session along with interaction with Experts.

- (v) Student Profiling - Undertaken in association with Internal & External Agencies, build on the strengths of each student.

### **Course Curriculum**

Link -> <http://www.juit.ac.in/coursecurriculum.php>

### **PUBLICATIONS**

For Publication click the link below:

#### **Electronics and Communication Engineering**

Link -> <http://www.juit.ac.in/faculty.php?id=389&dep=ece&page=0>

#### **Computer Science & Engineering and Information Technology**

Link -> <http://www.juit.ac.in/faculty.php?id=63&dep=cse&page=0>

#### **Biotechnology and Bioinformatics**

Link -> <http://www.juit.ac.in/faculty.php?id=91&dep=bio&page=0>

#### **Civil Engineering**

Link -> <http://www.juit.ac.in/faculty.php?id=143&dep=civil&page=0>

#### **Physics and Materials Science**

Link -> <http://www.juit.ac.in/faculty.php?id=70&dep=physics&page=0>

#### **Mathematics**

Link -> <http://www.juit.ac.in/faculty.php?id=131&dep=maths&page=0>

#### **Humanities and Social Sciences**

Link -> <http://www.juit.ac.in/faculty.php?id=47&dep=pd&page=0>

### **PROJECTS**

#### **Electronics & Communication Engineering**

<http://www.juit.ac.in/ece-project>

#### **Computer Science & Engineering and Information Technology (CSE&IT)**

<http://www.juit.ac.in/department/cse&it/CSE&ITAcademicResearchProjects.php>

#### **Biotechnology and Bioinformatics**

<http://www.juit.ac.in/biotechnology-and-bioinformatics-rd>

#### **Civil Engineering**

<http://www.juit.ac.in/civil-projects>

#### **Physics & Materials Science**

<http://www.juit.ac.in/physics-and-materials-science-projects>

## Invited Talks by JUIT Faculty

S. No.	Name	Place	Date
1	Dr. Jata Shankar	'Invited Keynote Speaker, Deciphering Host-response in Aspergillus Medicated Infection. ZInternational Conference on Emerging Researches in Bioscience (ICERB-2018 at Guru Ghasidas Viswavidyalay – Central University Bilaspur, Chattisgarh	28 <sup>th</sup> - 30 October 2018
2	Dr.Raghu M. Yennamalli	Invited as Resource Person for DBT sponsored workshop on “Application of Bioinformatics Research in Teaching and Research” <b>October 25-26, 2018</b> at Himachal Pradesh University, Summer Hill, Himachal Pradesh.	October 25-26, 2018
3	Dr. Ashok Kumar	Invited for oral presentation for Royal society of Chemistry and British council co-sponsored UK-India Interdisciplinary Workshop on Advanced Biomaterials and Biosensors(ABB-2018) at IIT Ropar Punjab India.	ABB-2018
4	Dr. Ashok Kumar	Invited for oral presentation at one day seminar at school of Chemistry Indian Institute of Technology, Mandi Himachal Pradesh India	
5	Dr. Hemant Sood and Dr Anil Kant	Attended Conclave of Chief Ministers and Parliamentarians of Himalayan States on organized by Himachal Pradesh Council for Science Technology & Environment (HIMCOSTE) at Peterhoff, Shimla	5 <sup>th</sup> October, 2018
6	Dr. Rahul Shrivastava	delivered Expert Lectures on topics 'Requisite of Antibody Engineering to Mankind' and 'Antibody Engineering - Applications and Job Potential' at G.B. Pant Engineering College, Pauri (Uttarakhand).	18 <sup>th</sup> September, 2018
7	Dr. Hemant Sood	Had guest lecture on Production of medicinal compounds for Commercial and Endangered Medicinal Plants through Cell and Tissue Culture Technology for Herbal Industry in Refresher Training Course for Indian Forest Services Officers (IFS) officers at HFRI, Panthaghati, Shimla	13 <sup>th</sup> September, 2018
8	Dr. Sudhir Kumar	Invited as a resource person for a Workshop on Biogas Plant fabrication, maintenance and use organized by the Swachh Bharat Mission (Gramin), Drinking Water and Sanitation Department, Ranchi, Jharkhand	23 <sup>rd</sup> July, 2018



9	Dr. Sudhir Kumar	Was invited for a lecture on “Biogas Production for Sustainable Energy Generation in Rural Himachal Pradesh using one-stage digester.” On Launch of GOBAR-DHAN scheme by Ministry of Sanitation and Drinking Water at NDRI, Karnal	30 April, 2018
10	Dr. Sudhir Kumar	delivered a lecture on “Biogas Model of Himachal Pradesh” in Ministry of Sanitation and Drinking Water, New Delhi”	11 April, 2018.
11	Dr. Raghu M. Yennamalli	Delivered lectures and conducting hands-on practical on “Identification and quantification of the complete complement of proteins (the proteome) of a biological system” at Himachal Pradesh University, Shimla, Himachal Pradesh	Nov, 2017
12	Dr. Tiratha Raj Singh	delivered an invited talk entitled "Annotation of Complex Biological Networks Through Simple Network Motifs" in National Symposium of Bioinformatics and Computational Systems Biology (NSBCSB) held at <b>Central University of Himachal Pradesh, Dharmshala</b>	12-14 Nov, 2017
13	Dr. Sudhir Kumar	delivered lecture Biogas Production from Solid Waste.” Workshop on Science and Technology for Women at Hotel Holiday Home, Shimla. Organized by HIMCOSTE and DST	8 <sup>th</sup> – 9 <sup>th</sup> , Sept, 2017
14	Dr. Sudhir Kumar	delivered lecture on “Solid Waste Management at Household Level” at NIT Hamirpur, organized by HP Rural Development Department, HP Govt. Honoured by Rural Development Minister – Sh. Anil Sharma.	04 <sup>th</sup> Sept, 2017
15	Dr. Raghu M. Yennamalli	delivered lectures and conducting hands-on practical on “Application of Bioinformatics Tools in Plant Sciences” at Dr Y S Parmar University of Horticulture and Forestry, Nauni	24 <sup>th</sup> - 25 <sup>th</sup> August, 2017
16	Dr. Tiratha Raj Singh	delivered invited talks in National Training Program on "Application of Bioinformatics Tools in Plant Sciences" Dr. Y.S. Parmar University of horticulture and Forestry, Nauni, Solan	22-23, August, 2017
17	Dr. Hemant Sood	has given an expert Lectures in the In-service Training Programme for Lectures/PGT of Biology on “Plant tissue Culture Technology and Its applications and IPR for Developing Knowledge Economy”. State Council Of Education Research and Training, Solan HP	10 <sup>th</sup> – 11 <sup>th</sup> July, 2017

18	Dr. Jata Shankar	Has given oral presentation on Proteome profile provided molecular insight into germination of Aspergilli and biosynthesis of secondary metabolites. 5 <sup>th</sup> International Congress on Analytical Proteomics (V ICAP 2017), Portugal.	3 <sup>rd</sup> – 6 <sup>th</sup> July 2017
19	Prof. RS Chauhan	Invited lecture on “NGS Transcriptomics to Unravel Biosynthetic Pathways for Phytopharmaceuticals in Medicinal Herbs” in 2 <sup>nd</sup> National Conference on “Next Generation Sequencing” jointly organized by the Bioserve and the CCMB, Hyderabad	22-24 Feb, 2017
20	Dr. Hemant Sood	presented paper entitled as Optimization of culture conditions for the production and germination of artificial seeds of <i>Nothapodytes nimmoniana</i> in 6 <sup>th</sup> <b>International Conference on Recent Trends in Engineering, Science &amp; Management</b> , National Institute of Technical teachers Training & Research, Chandigarh. 8 <sup>th</sup> Jan, 2017	. 8 <sup>th</sup> Jan, 2017
21	Dr Hemant Sood	d\Delivered an expert lecture on Electronic waste: Impact and Management in “National Seminar on issues of E-waste Management” at <b>Govt. Degree College, Arki, Solan, Himachal Pradesh.</b>	17 Dec, 2016
22	Dr. Sudhir Kumar	delivered an expert lecture on Electronic waste: Impact and Management in “National Seminar on issues of E-waste Management” at Govt. Degree College, Arki, Solan, Himachal Pradesh	17 December 2016
23	Dr. Rahul Shrivastava	Delivered a guest lecture on ‘Identification of novel genes responsible <i>M. fortuitum</i> drug resistance’ in UK -India Workshop on “Tackling the emergence of antimicrobial resistance: increasing virulence and facilitating research network” funded by the British Council and the Royal Society of Chemistry under the prestigious Newton Link Research Grants [IMTECH, Chandigarh	7-10 November 2016
24	Dr. Harish Changotra	Gave invited talk on “Host Genetics and Hepatitis B Virus infection” in International Symposium on Genomic Medicine: personalized care for me and you at <b>Doaba College Jalandhar, Punjab, India</b>	18 <sup>th</sup> Oct, 2016
25	Dr. Harish Changotra	“Molecular Biology Techniques” invited talk cum workshop at Doaba College, Janandhar, Punjab, by Jawaharlal Nehru Government	9 <sup>th</sup> April 2016

		Engineering College, Sundernagar, Mandi, HP.	
26	Prof.Sudhir Kumar	“Extremophilic xylanases for efficient conversion of lignocellulosic biomass” in the second international conference on “Recent advances in Bio-energy research” ICRABR- at S.S.S. National Institute of Renewable Energy, Kapurthala, Pb. (An Autonomous Institution of the Ministry of New and Renewable Energy, Govt. of India).	25 <sup>th</sup> – 27 <sup>th</sup> February 2016
27	Dr. Sudhir Kumar	Biogas for community service” in the ‘National Biogas Convention 2015’ at Centre of Rural Development and Technology, IIT Delhi	15 <sup>th</sup> – 16 <sup>th</sup> Sept, 2015
28	Dr. Tiratha Raj Singh	"Computational predictions and evaluations for biological parameters and regulatory patterns for Alzheimer’s disease" in the XXXIII Annual Conference of Indian Academy of Neurosciences at PU, Chandigarh	31 <sup>st</sup> Oct., 2015
29	Dr.Tiratha Raj Singh	CNRST, Rabat, MOROCCO.	Sept., 9, 2014
30	Dr.Tiratha Raj Singh	CSK HP Agricultural University, Palampur, H.P.	Nov., 14-16, 2014.
31	Prof.Sudhir Kumar	DST INSPIRE, Fategarh Sahib, Punjab	25 Mar, 2013
32	Prof.Sudhir Kumar	DST INSPIRE, Fategarh Sahib, Punjab	11 Feb, 2013
33	Prof.Sudhir Kumar	Workshop on energy, J.N. Govt. Engg. College, Sundernagar, HP	2 Mar, 2013
34	Dr.Chanderdeep Tandon	2nd International Conference on Translational Medicine, Chicago-North Shore, USA	5-7 Aug, 2013
35	Dr.Dipankar Sengupta	National Conference on “Bioactive Compounds And Functional Foods in Health and Disease Management , National Institute of Food Technology Management and Entrepreneurship (NIFTEM), Karnal	15-16 Nov, 2013
36	Dr.Gargi Dey	8 <sup>th</sup> Nutra Summit, Mumbai	13-16 Mar, 2013
37	Dr.Maneesh Jaiswal	Workshop on Biotechnology policies for Himachal Pradesh, 2nd Revision, Shimla	29 Nov, 2013
38	Dr.Rahul Shrivastava	Safety Week Celebration, Shoolini University, Solan	Aug, 2013
39	Dr.Rahul Shrivastava	G.B. Pant Engineering College, Pauri (U.K.)	Oct, 2013
40	Dr.Tiratha Raj Singh	Bioinformatics Centre, HPU, Shimla	20 Sept, 2013
41	Dr.Tiratha Raj Singh	MANIT, Bhopal, India	24 Sept, 2013

42	Prof.Sudhir Kumar	World's std. Day, BIS, Govt. of India, HP	17 Oct, 2012
43	Dr.Dipankar Sengupta	Dept. of Bioinformatics, GGSDS College, Sector 32-C Chandigarh, India	21 Jan, 2012
44	Dr.Gargi Dey	Bangalore INDIA BIO, Bangalore	6-8 Feb, 2012
45	Dr.Kuldeep Singh	Recent Advances in Chemical Sciences: Emphasis on Healthy life (RACE for Healthy Life), ITM Gwalior	21-22 Sept, 2012
46	Dr.Rahul Shrivastava	DST sponsored six weeks technology Based Entrepreneurship Development Program , Kurukshetra University, Kurukshetra	Aug, 2012
47	Dr.Tiratha Raj Singh	CSK HP Agricultural University, Palampur	2-3 Mar, 2012
48	Prof.Sudhir Kumar	Seminar on Biol. Engg., SDSMT, USA.	11 Oct, 2011
49	Prof.Sudhir Kumar	Sigma XI , Rapid city, SD, USA	17 May, 2011
50	Dr.Dipankar Sengupta	Bioinformatics Center, Department of Agriculture Biotechnology, CSK HPKV Palampur, H.P., India	15-16 Mar, 2011
51	Dr.Harvinder Singh	DBT sponsored Workshop on Use of Bioinformatics Tools in Genomics & Proteomics., CSK HPKV, Palampur	Mar, 2011
52	Dr.Kuldeep Singh	NITM, Sitholi, Gwalior M.P.	10 Dec, 2011
53	Dr.Tiratha Raj Singh	Thapar University, Patiala.	12 Dec, 2011
54	Dr.Tiratha Raj Singh	BioMining, 2011, ENSA, Tangier, Morocco	24 Nov, 2011
55	Dr.Tiratha Raj Singh	Bioinformatics Centre, Kerala Agricultural University (KAU), Thrissur, Kerala.	May 3-7, 2011.
56	Dr.Chanderdeep Tandon	3rd Annual Protein & Peptide Conference (PepCon 2010), Beijing, China	21-23 Mar, 2010
57	Dr.Chanderdeep Tandon	International Conference on Analytical & Bioanalytical, Hyderabad, India	1-3 Nov, 2010
58	Dr.Dipankar Sengupta	Bioinformatics Center, Himachal Pradesh University, Summer Hills, Shimla, H.P.,	16 Sept, 2010
59	Dr.Kuldeep Singh	Eternal University, Baru Sahib, Himachal Pradesh	27 Nov, 2010
60	Dr.Hemant Sood	Workshop on challenges and opportunities for growth of medicinal plant sectors in North-West Himalayas HFRI (ICFRI) Shimla.	18 <sup>th</sup> -19 <sup>th</sup> March 2010

61	Dr.C Rout	Workshop on Functional and Structural Proteomics : An In Silico approach, Himachal Pradesh University, Shimla, India	26-30 Oct, 2009
62	Dr.Hemant Sood	Expert Lecture in the AICTE sponsored National Workshop on “Fermentation Technology JUIT, Wagnaghat, H.P	Feb. 20-March 1, 2008,
35	Ashok K. Gupta	Koldam, NTPC, Bilaspur	2011
35	Rajesh Goyal	Kol Dam, NTPC, Bilaspur	2011
36	Anil Kumar	Kol-Dam, NTPC, Bilaspur	2011
37	S.K. Jain	IIT, Madras	2012
38	Ashok K. Gupta	BITM, Shimla, Himachal Pradesh	2013
39	S.K. Jain	IIT, Madras	2011
40	S.K. Jain	PEC, Chandidgarh	2008
41	S.K. Jain	IISc Bangalore	2008
42	Anil Kumar	BITM, Shimla, Himachal Pradesh	2013

S. No.	Name	Detail	Date
1	Chandra Pal Gautam	Conducted Workshop on Auto CAD software in Training Programme on Rural Civil Works for Engineer of RD, PR, Agriculture, Horticulture, PWD and I & PH Department in H.P. Institute of Public Administration (HIPA)	From 07.08.18 to 09.08.18
2	Chandra Pal Gautam	Conducted Workshop on Auto CAD software in Training Programme on Rural Civil Works for Engineer of RD, PR, Agriculture, Horticulture, PWD and I & PH Department in H.P. Institute of Public Administration (HIPA)	From 11.09.18 to 13.09.18

3	Pankaj Kumar	Madhya Pradesh Council of Science and Technology sponsored workshop on 'Recent Trends in Earthquake Resistant Design of Buildings' at Sagar Institute of Science, Technology & Engineering, Gandhi Nagar, Bhopal, Madhya Pradesh, India.	1-3 November, 2018 DL (2-3 November, 2018)
4	Rajiv Ganguly	BITM, Shimla, Himachal Pradesh	2013
5	Rajiv Ganguly	IIT Delhi, Delhi	27/11/2016 – 02/12/2016
6	Rajiv Ganguly	Ambient Air Quality Status and its prediction in Tier-II city (Shimla) at Department of Environmental Science and Engineering at ISM Dhanbad	17/10/ 2017
7	Dr. Saurav	Saraswati Higher Education and Technical College of Engineering, Varanasi, AKTU Lucknow	01/11/2018
8	Niraj Singh Parihar	Modern Geotechnical Engineering at Technocrats Group of Institutions, Bhopal	28/04/2018
9	Aakash Gupta	Smart Highways at Technocrats Group of Institutions, Bhopal	30/04/2018
10	Dr. Veeresh Gali	Jaypee University Anoopshahr	19/03/2016 – 20/03/2016
11	Mr. Anil Kumar	Analysis and Design of Structures using SAP and ETABS" at University of Petroleum & Energy Studies (UPES), Dehradun;	12/03/2016
12	Mr. Anil Kumar	Finite Element and Modal Analyses of Structures using ANSYS at University of Petroleum & Energy Studies (UPES), Dehradun;	13/03/2016
13	Mr. Anil Kumar	Abnormal Loadings on Structures and their Mitigation" at one-week short-term course on Disaster Mitigation and Management, held at National Institute of Technology (NIT), Kurukshetra,	June 22-26, 2015.
14	Ms. Poonam	Advances in Earthquake Mitigation Techniques in one-week short-term course on Disaster Mitigation and Management, National Institute of Technology (NIT), Kurukshetra, June 22-26, 2015.	June 22-26, 2015.
15	Dr. S.K. Jain	Indian Geotechnical Society at IIT Delhi	12/12/2012

16	Mr. Anil Kumar	Bells Institute of Management and Technology, Shimla.	May- 2013
17	Dr. Ashok Kumar Gupta	Bells Institute of Management and Technology, Shimla.	May- 2013
18	Dr. S.K. Jain	IIT Madras	17-22 Sept. 2012
19	Dr. Raja Durai	JUIT, Wagnaghat	4-9 June 2018
20	Dr. Rakesh Bajaj	SCERT Solan	31-05 August 2018
21	Dr. Rakesh Bajaj	SCERT Solan	19-24 Sept 2016
22	Dr. Rakesh Bajaj	SCERT Solan	19 Dec 2015
23	Dr. Rakesh Bajaj	JUIT, Wagnaghat	29 Nov. 2015
24.	Dr. Neelkanth	SCERT Solan	02 August 2017

S. No.	Date	Year	Title of Event	Resource Person	Place	Seminar/Workshop/Conference
1	30-Nov	2018	Service Oriented Architecture And Its Research Issues	Dr. Rajni Mohana	JUIT, Wagnaghat	Expert Lecture
2	25-Jul	2018	Fog Computing	Dr. Hemraj Saini	JUIT, Wagnaghat	Expert Lecture
			2017-18			
S. No.	Date	Year	Title of Event	Resource Person	Place	Seminar/ Workshop/ Conference
1	10-May	2018	Detection of Rnamed Clones (Type-2) using Directed Acyclic Graph	Dr. Hemraj Saini	JUIT, Wagnaghat	Seminar

2	10-May	2018	SALT Cryptography for Privacy in Mobile Crowd Sourcing	Dr. Geetanjali	JUIT, Wagnaghat	Seminar
			2016-17			
<b>S. No.</b>	<b>Date</b>	<b>Year</b>	<b>Title of Event</b>	<b>Resource Person</b>	<b>Place</b>	<b>Seminar/Workshop/Conference</b>
1	05-Jun	2017	SLA and Performance Efficient Heuristics for Virtual Machines Placement in Cloud Data Centers	Dr. Hemraj Saini	JUIT, Wagnaghat	Seminar
2	05-Jun	2017	Proposed IoT Framework using Third Party with Enhanced Security	Dr. Geetanjali	JUIT, Wagnaghat	Seminar
			2015-16			
<b>S. No.</b>	<b>Date</b>	<b>Year</b>	<b>Title of Event</b>	<b>Resource Person</b>	<b>Place</b>	<b>Seminar/Workshop/Conference</b>
1	15-Sep	2016	Fast Handoff Technique in Wireless Mesh Network (FHT in WMN)	Dr. Hemraj Saini	JUIT, Wagnaghat	Seminar

### Invited Talks by External Speakers at JUIT

S. No.	Name
1	Prof. Alok Bhattacharya, JNU, New Delhi
2	Dr. Naidusubba Rao, JNU, New Delhi
3	Dr. Shriram Raghavan, Vice-President Evolva Biotech Ltd.



4	Prof. NN Dutta, JUET, Guna
5	Dr. OP Sharma, former Director IVRI Res. Station, Palampur
6	Dr. Asha Kembhavi, Connect & Innovate Consultant, Novozymes South Asia Private Ltd.
7	Dr. Anu T. Singh, Director (R&D), Dabur Research foundation
8	Dr. S.K. Mahla, Vice Principal, GGS CMT, Kharar
9	Dr. Manju Ray, Bose Institute, Kolkata
10	Dr. Manju Ray, Bose Institute, Kolkata
11	Dr. Koushik Das Sarma, Associate Director, Jubilant Chemsys, Noida
12	Dr. Koushik Das Sarma, Associate Director, Jubilant Chemsys, Noida
13	Emeritus Professor Jeffrey G Duckett, Biodiversity (Bryophytes), Department of Botany, Natural History Museum, Cromwell Road, London
14	Dr Silvia Pressel, Biodiversity (Bryophytes), Department of Botany, Natural History Museum, Cromwell Road, London
15	Dr. Sumeet Dua, Louisiana Tech University, Ruston, LA, USA
16	Dr. Sumeet Dua, Louisiana Tech University, Ruston, LA, USA
17	Dr. Sumeet Dua, Louisiana Tech University, Ruston, LA, USA
18	Dr. Sachiko ISOBE, Kazusa DNA Research Institute, Japan
19	Basant Kumar, AGM, IRCON International
20	Dr. Subramaniam D.Rajan, Professor, Arizona State University, Tempe, USA
21	Dr. Vineet Kamat, Associate Professor, University of Michigan, Ann Arbour, USA
22	Dr. Abdol Chini, Professor, University of Florida, Gainesville, USA
23	Dr. Ajay Shankar Professor, University of Florida, Gainesville, USA
24	Dr. Chandrashekhhar Putcha, Professor of Civil Engineering, California State University, Fullerton, USA
25	Dr. S. Prakash, Prof. Emiretus, Dept of Civil Engineering, University of Missouri, Rolla, USA

26	Dr. Bala Asthakala, Professor, Concordia University Ontario, Canada
27	Dr. Nick Barton, Principl, Nick Barton & Associates, Norway
28	Dr. K.G. Sharma, Professor of Civil Engineering, IIT Delhi
29	Dr. P.K. Garg, Professor of Civil Engineering, IIT Roorkee
30	Dr. Z. Ahmed, Associate Professor of civil engineering, IIT Roorkee
31	Dr V Pandya, Vice President, Jaypee Cements
32	Dr. Manoj Datta, Director, PEC
33	Dr. Rajbal Singh, Jt. Director, CSMRS, New Delhi
34	Graham Morphett, Director, Uretek India Pvt. Ltd.
35	Dr. J.T. Shahu of IIT Delhi
36	Dr. R.G. Robinson of IIT Madras
37	Dr. Altaf Usmani of EIL, New Delhi
38	Dr. Narayanmurthy, IIT Madras
39	Dr. V M Sharma, Director, AIMIL Ltd.
40	Er. Anil Sharma, Chief Engineer
41	Pro. Yosi Shacham Diamand, Tel Aviv University, Israel
42	Dr R. D. Garg, IIT Roorkee
43	Mr. Hemant Singh, REVIT
44	Mr. Hemant, Innovian's Technologies
45	Prof. G. D. Ransingchung R. N, IIT Roorkee
46	Prof. V K Sehgal

S. No.	Name of Visitors	Affiliation	Date
1	Mr. Faiz Abuzer	Account Manager, Academics & Government, IP & Science, Thomson Reuters	29-Jul-15
2	Mr. G. S. Krishnan	Regional President, Novozymes South Asia Pvt. Ltd. Bangalore	24-25 Sept 2015
3	Dr. Mads Bjørnvad	Director, Head of R&D, Novozymes South Asia Pvt Ltd. Bangalore	24-25 Sept, 2015

4	Mr. Narayan Suresh	COO, ABLE India	24-25 Sept, 2015
5	Mr. Divakar Rao	Advisor to Life Sciences Sector, Member-Vision Group on Biotech & Member-Governing Council, SBDB, Govt. of Karnataka, Bangalore	24-25 Sept, 2015
6	Mr. Girish Minocha	CEO of Minchy's industries, Shimla	15 October 2015
7	Dr. M. Aslam	Advisor, DBT, New Delhi	15 October 2015
8	Dr. Sanjay Gulati	Paediatrician, Gulati Pediatric Centre, Shimla	5 December 2015
9	Dr. G.P.S. Raghava	IMTECH, Chandigarh	18 March 2016
10	Dr. Debasis Dash	IGIB, Delhi	18 March 2016
11	Dr. Vinod Scaria	IGIB, New Delhi	18 March 2016
12	Dr. Vikram Singh	CUHP, Dharmashala	18 March 2016
13	Dr. Vivek Thakur	IRRI, Los Banos, Philippines	18 March 2016
14	Dr. Somdatta Sinha	IISER, Mohali	19 March 2016
15	Dr. Debasisa Mohanty,	NII, Delhi	19 March 2016
16	Dr. Pritish Kumar Varadwas	IIIT, Allahabad	19 March 2016
17	Dr. Alok Bhattacharya	JNU, Delhi	20 March 2016
18	Dr. Suresh Sharma	PU, Chandigarh	20 March 2016
19	Dr. Shriram	R&D Head, Evolve Biotech, Chennai	13 April 2016
20	Prof Ashish Sen Gupta	Indian Statistical Institute, Kolkata	11 June 2016
21	Dr. Suresh K Sharma	PU, Chandigarh	13-14 June 2016
22	Dr. Arun Kumar Aggarwal	PGIMER, Chandigarh	15 June 2016
23	Dr. Athar Ali Khan	AMU Aligarh	16 June 2016
24	Dr. Amar Nath Gil	PU, Chandigarh	17-18 June 2016
25	Dr. Parminder Singh	GNDU, Amristar	17-18 June 2016
26	Dr. Rajesh Sani	Associate Professor - Chemical and Biological Engineering, South Dakota School of Mines and Technology, SD, USA	30 July 2016
27	Mr. Sandeep Singh Kohli	Co-Founder, Xlpat Labs, Chandigarh	30 August 2016
28	Dr. M. Aslam	Advisor, DBT	17 September 2016
29	Dr. Bhavnesh Kumar	Application Specialist, DSS Takara Bio India Pvt. Ltd.	23 September 2016
30	Mr. G. S. Krishnan	Regional President, Novozymes South Asia Pvt. Ltd. Bangalore	28-29 Sept 2016
31	Dr. Mads Bjørnvad	Director, Head of R&D, Novozymes South Asia Pvt Ltd	28-29 Sept 2016
32	Mr. Narayan Suresh	COO, ABLE India	29 September 2016
33	Mr. Divakar Rao	Advisor to Life Sciences Sector, Member-Vision Group on Biotechnology & Member-Governing Council, KSDB, Govt of Karnataka, Bangalore	29 -30 Sept 2016

34	Dr. Rangaraj M. Rangayyan	Professor Emritius, Schulich School of Engineering, University of Calgary, 2500 University Drive N.W. Calgary, Alberta, Canada	19 January 2017
35	Dr. T. Stobdan	Senior Scientist of Defence Institute of High Altitude Research (DIHAR), Leh	31 July 2017
36	Dr. Suresh Kumar Sharma,	Professor, Department of Statistics & Coordinator, Centre for Systems Biology and Bioinformatics, Panjab University, Chandigarh	09 September 2017
37	Dr TR Sharma	Director NABI, Chandigarh	30 November 2017
38	Prof. Yosi S. Diaman	TAU, Israel	12 December 2017
39	Dr. Debasis Pattanayak	National Research Centre on Plant Biotechnology (IARI, New Delhi)	16 December 2017
40	Dr VK Gupta	Department of Biochemistry, Kurukshetra University, Harayana	29 January 2018
41	Prof. K Balamugan	Department of Biotechnology, Alagappa University, Tamil Nadu	27 February 2018
42	Dr Mamta Bhatia	Senior Manager. Paraxel International Ltd., Chandigarh	16 March 2018
43	Dr Mohar Singh	Principle Scientist cum office Incharge ICAR-NBPGR Research Station, Shimla	16 March 2018
44	Dr Harash Nayyar	Department of Botany, PU Chandigarh	29 March 2018
45	Prof. Diwan S Rawat	Delhi University	16 April 2018
46	Dr Naveen Chandra Bisht,	National Institute from Plant Genome Research, JNU Campus, New Delhi	19 May 2018
47	Prof. S. S. Kanwar,	Department of BT, HPU	23 - 24 May, 2018
48	Prof. A J S Bhanwer	Department of Human Genetics, Guru Nanak Dev University, Amritsar, Punjab	26 May 2018
49	Dr Jagtar Singh	Department of Bt, South Campus, BMS Block, PU Sector 25, Chandigarh	14 July 2018
50	Dr Asitbaran Mandal	Director (A) ICAR-Central Avian Research Institute, Izatnagar, UP	27 August 2018
51	Dr Munish Garg	Prof. and HOD of pharmaceutical sciences, Maharishi Dayand University, Rohtak, Haryana	07 September 2018
52	Professor A. S. Ahluwalia	(P.N. Mehra Chair Professor) of Department of Botany, Panjab University, Chandigarh	11 September 2018
53	Dr Naveen Kumar Navani	Associate Professor, Department of Biotechnology, IIT Roorkee, UK	22 September 2018
54	Dr. Kamal Raj Pardasani	Professor of Mathematics, Former head of Mathematics, Bioinformatics and Computer Applications, Maulana Azad National Institute of Technology, Bhopal	29 September 2018
55	Prof MV Rajam	Department of Genetics, Delhi University- South Campus, New Delhi	05 October 2018
56	Dr Savita Gupta	Director UIET & Professor CSE Punjab University, Chandigarh	20 October 2018

57	Dr Anil Kumar Chillar	Director, Centre for Biotechnology, Maharshi Dayanand University, Rohtak, Haryana	24 November 2018
58	Dr. Ashutosh Pastor	Manager, Biotechnology Business Incubation Facility, IIT Delhi	27 November 2018

<b>S. No.</b>	<b>Date</b>	<b>Year</b>	<b>Title of Event</b>	<b>Resource Person</b>	<b>Affiliation of Resource Person</b>
1	09 Feb-10Feb	2018	FarmerZone: Distributed Machine Intelligence for Sustainable Food Security	Prof. Timothy A. Gonsalves	Director IIT Mandi, Himachal Pradesh, INDIA
2	09 Feb-10Feb	2018	Algorithms of quantum key distribution	Dr. Pljonkin Anton	Institute of Computer Technologies and Information Security, Southern federal university, RUSSIA
3	09 Feb-10Feb	2018	The Evolution of Cyber Attacks and Next Generation Threats	Dr. Ioan-Cosmin MIHAI	"Alexandru Ioan Cuza" Police Academy, ROMANIA
4	09 Feb-10Feb	2018	DevOps and Security Principles, Practices and Current Trends	Dr. Abhijit Sen	Computer Science and Information Technology, Kwantlen Polytechnic University, CANADA
5	09 Feb-10Feb	2018	Wireless Computing: from Mobile Computing to IoT	Dr. Mohd Helmy Abd Wahab	Senior Lecturer & Academic Advisor Embedded Computing Research Focus Group (EmbCoS), Department of Computer Engineering   Faculty of Electrical and Electronic Engineering, Universiti Tun Hussein Onn MALAYSIA
6	21-23 December	2017	Image Information Processing	Dr. K K Shukla	Department of Computer Sc. & Engineering, IIT, BHU, UP

7	21-23 December	2017	Image Information Processing	Prof. Dr. Joaquim Jorge	Instituto Superior Técnico (IST/UTL), School of Engg. Of the Technical University, Lisboa, Portugal
8	21-23 December	2017	Image Information Processing	Dr. Lipo Wang	School of Electrical and Electronic Engineering, Nanyang Technological University , Singapore
9	21-23 December	2017	Image Information Processing	Prof. Dr. Maheshkumar H.Kolekar	Electrical Engineering Department, Head- Center for Advanced Systems Engineering, IIT Patna, India
10	23-27 Oct	2017	Cloud Computing Through ICT	Er. Mala Kalra, Assistant Professor	NITTTR, Chandigarh
11	23-27 Oct	2017	Cloud Computing Through ICT	Er. Aditya Bhardwaj, Research Scholar	NITTTR, Chandigarh
12	23-27 Oct	2017	Cloud Computing Through ICT	Dr. Rajinder Sandhu (Post Doc., University of Melbourne, Australia)	JUIT, Wagnaghat
13	23-27 Oct	2017	Cloud Computing Through ICT	Er. Vipin Gupta, U-Net Solutions, Moga	Moga

14	23-27 Oct	2017	Cloud Computing Through ICT	Er. Rohit Handa, Assistant Professor,	PEC University of Technology, Chandigarh
15	23-27 Oct	2017	Cloud Computing Through ICT	Dr. Gaurav Kumar, Director	Magma Research & Consultancy Pvt. Ltd.
			<b>2016-2017</b>		
<b>S. No.</b>	<b>Date</b>	<b>Year</b>	<b>Title of Event</b>	<b>Resource Person</b>	<b>Affiliation of Resource Person</b>
1	22-24 December	2016	Exploiting parallelism of hadoop/spark kind of systems for data analytics algorithms	Prof. Raj K Bhatnagar	University of Cincinnati, USA
2	22-24 December	2016	Challenges and Opportunities in Heterogeneous High Performance Computing Systems	Prof. R. Govindarajan	Supercomputer Education and Research Center (SERC) and Department of Computer Science and Automation, Indian Institute of Science (IISc), Bangalore, INDIA
3	22-24 December	2016	Applications of Distributed Computing for the Next Generation of On-line Education: Real World Use Cases	Prof. Santi Caballé	Universitat Oberta de Catalunya, Barcelona, SPAIN
4	22-24 December	2016	PDGC 2017	Prof. R.K. Ghosh	Department of Computer Science and Engineering , IIT, Kanpur, INDIA.

5	22-24 December	2016	Web Phishing detection schemes	Prof. Manoj Misra	Department of Computer Science and Engineering , IIT, Roorkee, INDIA.
6	13-Jun	2017	Software Defined Network	Professor Manu Sood	HPU, Shimla
7	6-10 Feb	2017	Cyber Crime and Forensic Tools Through ICT	Prof.C.Rama Krishna	NITTTR Chandigarh
8	6-10 Feb	2017	Cyber Crime and Forensic Tools Through ICT	Sh. Amit Doegar	NITTTR Chandigarh
9	6-10 Feb	2017	Cyber Crime and Forensic Tools Through ICT	Dr. Rakesh Kumar	NITTTR Chandigarh
10	6-10 Feb	2017	Cyber Crime and Forensic Tools Through ICT	Mr. Amrendra Sharan	NITTTR Chandigarh
11	6-10 Feb	2017	Cyber Crime and Forensic Tools Through ICT	Er. Saurabh Kaushal	NITTTR, Start-Up Head
12	6-10 Feb	2017	Cyber Crime and Forensic Tools Through ICT	Dr. Gaurav Kumar	CEO-Magma Consultancy, Ambala
13	6-10 Feb	2017	Cyber Crime and Forensic Tools Through ICT	Mr. Vipin Gupta, Director	U-NET Solution, Moga
			<b>2015-2016</b>		
<b>S. No.</b>	<b>Date</b>	<b>Year</b>	<b>Title of Event</b>	<b>Resource Person</b>	<b>Affiliation of Resource Person</b>
1	21-24 December	2015	Multimedia Big Data: Challenges, Opportunities, and Applications	Professor Shu-Ching Chen	Florida International University, Miami, USA.
2	21-24 December	2015	Real-Time Image Processing: From Research to Reality	Professor Nasser Kehtarnavaz	Dept. of Electrical Engineering, University of Texas, Dallas, USA



3	21-24 December	2015	Smartphones as Implementation Platforms for Real-Time Signal & Image Processing	Professor Nasser Kehtarnavaz	Dept. of Electrical Engineering, University of Texas, Dallas, USA
4	21-24 December	2015	Image Information Processing	Professor A G Ramakrishnan	MILE Laboratory, Professor & Chairman, Department of Electrical Engineering, Indian Institute of Science, Bangalore, India
5	21-Jun	2016	Data Sciences	Professor Mayak Dave	NIT, Krukshetra
6	22-Jun	2016	Cloud Computing	Professor Ashutosh Singh	NIT, Krukshetra

### **Department of Physics**

S.No	Name	Topic	Date
1.	Prof. Yosi Shacham Diamand, Prof. of Electrical Engineering, The Bernard L. Schwartz Chair for Nano Scale Information Technologies, Dept. of Phys. Elect., Faculty of Engineering, Tel Aviv	An expert talk on the topic "A Study on Various Nanoparticle Based Bioelectrochemical Sensors	12-12-2017

### **Details of Individual Faculty Members:**

Please click the link below for detail of Individual faculty member

#### **Electronics and Communication Engineering**

Link -> <http://www.juit.ac.in/faculty.php?id=389&dep=ece&page=0>

#### **Computer Science & Engineering and Information Technology**

Link -> <http://www.juit.ac.in/faculty.php?id=63&dep=cse&page=0>

#### **Biotechnology and Bioinformatics**

Link -> <http://www.juit.ac.in/faculty.php?id=91&dep=bio&page=0>

## **Civil Engineering**

Link -> <http://www.juit.ac.in/faculty.php?id=143&dep=civil&page=0>

## **Physics and Materials Science**

Link -> <http://www.juit.ac.in/faculty.php?id=70&dep=physics&page=0>

## **Mathematics**

Link -> <http://www.juit.ac.in/faculty.php?id=131&dep=maths&page=0>

## **Humanities and Social Sciences**

Link -> <http://www.juit.ac.in/faculty.php?id=47&dep=pd&page=0>

## **Industrial Consultancy, Research and Development (during the past 5 years)**

Amount of Industrial Consultancy earned (in lakhs of Rupees)	:	Nil
No. of Sponsored research projects completed	:	65
No. of Patents produced	:	20
No. of research projects in progress	:	18
No. of Papers published in Scopus indexed journals	:	1172
No. of Papers published in non-Scopus peer-reviewed journals	:	464
No. of papers published in conference proceedings	:	1100
No. of International Conferences Conducted	:	18
No. of National Conferences, Seminars and Workshops Conducted	:	64
No. of Expert lectures organised	:	195
No. of Training Programmes / Short Terms Courses Conducted	:	23