

National Institute of Technology, Uttarakhand



4TH June, 2015



**AGENDA FOR SEVENTH MEETING
OF
BOARD OF GOVERNORS**

Seventh Meeting
Board of Governor
National Institute Of Technology Uttarakhand

Date : 4th June, 2015
Time : 2:00 PM
Venue : Hotel Shanti Palace, New Delhi

Agenda

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Director

BoG 07.01 Confirmation of the Minutes of the Sixth meeting of the Board of Governors

Minutes of the sixth meeting of the Board of Governors, duly approved by the Chairman were circulated vide letter no.NITUK/Mtngs/2014/4897 dated 4th March 2014 with request to confirm if they have been recorded correctly or need modification(s) in any respect. No comments / suggestions were received by the Institute. Minutes are enclosed as **Annexure BOG 07.01**.

The Board is requested to confirm the minutes.

राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड
NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

MINUTES OF THE 6th MEETING OF THE BOARD OF GOVERNORS, HELD ON 18th JULY 2014

The following members were present:

- | | | |
|----------------------------|---|----------|
| 1. Shri Bhaskar Bhat | - | Chairman |
| 2. Shri R. Srinivasan | - | Member |
| 3. Shri Navin Soi | - | Member |
| 4. Prof. Pradipta Banerjee | - | Member |
| 5. Prof. S. C. Lakkad | - | Member |
| 6. Prof. H. T. Thorat | - | Member |
| 7. Dr. A. S. Dhundi | - | Member |
| 8. Dr. Pawan Kr. Rakesh | - | Member |

Prof. Geetha Nambissan could not attend the meeting due to prior commitments.

At the outset, the Chairman welcomed all the members. The Board placed on record contribution of outgoing member Prof. V K Sharma. Prof. Sharma resigned from services of NIT Uttarakhand for his personal reasons. The Board welcomed Dr. Pawan Kumar Rakesh, Asst. Prof. and Head of Mechanical Engineering Department who has been nominated on Board as a teacher representative.

The Committee discussed the following agenda:

BoG 06.01: Confirmation of the Minutes of the Fifth meeting of Board of Governors.

Resolution: Minutes of the Fifth meeting of the Board of Governors are confirmed.

BoG 06.02: Action Taken Report

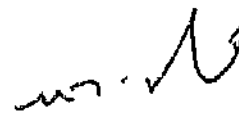
Resolution: Action Taken Report is noted.

As regards Item BoG 05.07, NBCC shall be informed that the agency charges charged to NIT Uttarakhand shall be on par with those charged for IIT Kanpur.

BoG 06.03 To approve the draft Annual Report for the year 2013-14

Agenda: A draft Annual Report for the year 2013-14 prepared as per Ministry of HRD guidelines. A copy of draft Annual Report is enclosed as Annexure- BoG 06.02 for consideration and approval of the Board.

Resolution: Approved, with a suggestion to drop pages 48 and 49.


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BoG 06.04 Ratification of notes approved by the Chairman

Agenda: The Annual Reports for the year 2009-2010, 2010-2011, 2011-12 and 2012-13 were submitted to Ministry of HRD with approval of the Chairman, Board of Governors. Copy of the approval is enclosed as Annexure- BoG 06.03. Annual Reports will be tabled. The Board is requested to ratify.

Resolution: Ratified.

BoG 06.05: To approve the Record Retention Schedule (RRS).

Agenda: For effective and efficient functioning of administration, paper record is required to be judiciously maintained and stored. Even, ever increasing computer data is not exempted from this. Realizing its importance, it is felt necessary to ascertain the periodicity for retention of various types of records. Department of Administrative Reforms and Public Grievances, Ministry of Personnel, Public Grievances and Pension, Government of India has prepared Record Retention Schedule (RRS) which is followed by Central Government Offices. Based on norms and guidelines of the Central Government, the Institute has prepared RRS for NIT, Uttarakhand. The same is placed at Annexure- BoG 06.04.

The Board is requested to approve the Record Retention Schedule (RRS).

Resolution: The Board approved the proposal with the suggestion that the record also shall be digitized and maintained.

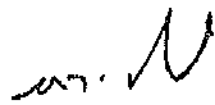
BoG 06.06: To approve the constitution of Special Cell.

Agenda: The Institute is observing Reservation policy of Government of India. As per the provision, a Special Cell is required to be constituted to ensure that the reservation is observed as per the Government of India's policy and in true spirit.

The following constitution is proposed:

- | | |
|---|---------------|
| 1. A senior Faculty* | : Chairperson |
| 2. Liaison Officer SC / ST* | : Member |
| 3. Liaison Officer OBC* | : Member |
| 4. Representative of Director IIT Roorkee | : Member |
| 5. One member from outside the NIT Uttarakhand,
preferably from reserved category* | : Member |
| 6. Registrar | : Member |

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7. Assistant Registrar (Establishment) : Secretary

The term of member at Sl. no. (1), (4) and (5) shall be of two years.

*To be nominated by the Director.

The Board is requested to approve the proposed constitution of Special Cell.

Resolution: Approved as proposed.

BoG 06.07: Approval regarding nomination of Heads of the Department, Deans and Associate Deans on the Senate

Agenda: The Institute does not have senior faculty in the position of Professor and hence, members in the Senate are restricted to external members and Dean (Academics). To increase the participation of the Institute faculty in Senate, it is proposed to induct Heads of the Department as members of Senate in the capacity of Chairpersons, Board of Studies. Similarly, all Deans and Associate Deans may also be inducted as members. This will provide the Senate a structure having sizeable membership from within the Institute.
The proposal regarding nomination of HoDs, Deans and Associate Deans on the Senate may be approved.

Resolution: BoG advised that HoDs, Deans and Associate Deans shall attend and participate in Senate meeting as Special Invitees.

BoG 06.08: Approval regarding change in nomenclature

Agenda: The Institute has received sanction for teaching and non-teaching posts. Non-teaching posts in Ministerial (Higher) cadre has a post of Superintendent / Accountant in PB2 GP 4200/-. Both the designations carry same pay and job responsibilities. Further, such employees are transferable from one section to another as per the requirement of the Institute administration. The scope of Accountant is limited to Account Section and hence it is requested to change the nomenclature of accountant to Superintendent. There is no financial implication on this account.

The Board is requested to consider the above proposal.

Resolution: The BoG approved the proposal as per the Recruitment Rules.

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BoG 06.09: To note and approve the minutes of the Senate meeting.

Agenda: Meeting of the Senate was held on 10th May 2014, copies of the minutes are placed at Annexure- BoG 06.05.

Resolution: The Board noted and approved the minutes of the Second Senate meeting along with Item approved by circulation. The Board further suggested that Director in consultation with Chairman BOG shall decide the chief guest for the First Convocation and report to the Board in next meeting.

BoG 06.10: To approve the formats of Annual Performance Assessment Report (APAR).

Agenda: Annual Confidential Report (ACR) has significant role in every employee's service career. Recently, the Government of India changed its nomenclature to Annual Performance Assessment Report (APAR) with certain modifications. The Institute adopted Civil Services Rules as applicable to Central Government employees. The formats of APAR have been designed for NIT, Uttarakhand on the lines of Central Government guidelines. The same are placed at Annexure- BoG 06.06.

The Board is requested to approve.

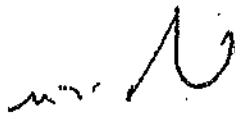
Resolution: Noted and Approved. It was further suggested that the Reporting and Reviewing officer for all faculty and officers shall be the Director.

BoG 06.11: Permission to recruit Deputy Registrar and Assistant Registrar

Agenda: The Institute receives sanction from the Ministry of HRD to recruit teaching and non-teaching staff on prescribed ratio of Students:Teachers:Non-teaching staff. The present sanctioned strength of non-teaching staff is based on student actually admitted upto 2013-14. Sanction for some more posts on subsequently increased students strength is under process. At present the sanction received from the Ministry of HRD for non-teaching posts is Officers- 07 and others- 37. Out of these 05 Officers and 15 others are in position. Five Officers include Assistant Registrar- 02, Assistant Librarian- 01, Medical Officer- 01 and Students Activity and Sports Officer- 01.

For effective supervision and control, the Institute should have one administrative Officer at senior level. The post of Registrar was advertised twice since 2013 but could not get a suitable candidate so far. Perhaps, may be because the post is contractual. The Institute is seeking ad-hoc services from retired officers but need of regular officer who shall be entrusted responsibility and accountability cannot be ruled out. It is, therefore, proposed to recruit one Deputy Registrar, against the

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vacancy of Registrar, keeping the post of Registrar in abeyance till the Institute receives sanction for Deputy Registrar's post.

Similarly, the post of Executive Engineer was advertised twice but no candidate reported for interview. Posts of Junior Engineer are approved and Institute shall make recruitment against these posts in near future. Faculty in Civil Engineering can be entrusted the responsibilities of Executive Engineer. Institute administration is suffering for want of Assistant Registrars. It is proposed to recruit one Assistant Registrar against the vacancy of Executive Engineer, keeping the post of Executive Engineer in abeyance till the Institute receives sanction for Assistant Registrar post.

This arrangement will not have additional financial implications.

The Board is requested to approve the above proposal.

Resolution: Item withdraw

BoG 06.12: Items for information.

Agenda: a) 'Faculty and Officers recruitment.

The Institute processed the recruitment of faculty and Officers recruitment in May-June 2014 and appointment orders are issued to the selected candidates. The statistics is as under:

i. Trainee Teacher	-	10
ii. Assistant Professors (on contract)	-	22
iii. Medical Officer	-	01

List of the candidates to whom appointment letters offered is enclosed herewith as Annexure- BoG 06.07.

b) Temporary campus development

Institute has occupied the buildings constructed at ITI campus. Administration and all Engineering Departments are functioning from ITI campus. The Polytechnic campus houses hostels, classrooms, library, Computer centre, dispensary, sports section and auditorium.

c) Permanent campus development

Construction of compound wall has started.
Building plans are being finalized.

Resolution: Noted

BoG 06.13: To consider the Institute Memento.

Agenda: Distinguished visitors carry the memories of the places they visit. Memento helps them to recollect their visit. This NIT being located in Uttarakhand, it is desirable to have a memento with a special feature of State of Uttarakhand. State of

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NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

Uttarakhand has many unique features, State Flower '*Brahma-kamal*' which is one of them.

Brahma-kamal grows at altitudes higher than 4000 m and is found only in Himalayas. The plant belongs to cactus category and is a protected species. *Brahma-kamal* is a part of culture of people of Uttarakhand. *Brahma-kamal* shall be good memento for NITUK as it represents the State of Uttarakhand and our Institute's commitment to protect environment.

Some photographs of '*Brahma-kamal*' are placed at Annexure- BoG 06.08. A model prepared accordingly is being placed on table for consideration of the Board. If approved, the memento will be casted in three different sizes viz for eminent personalities, distinguished guests and students.

Submitted for approval.


Resolution: Approved, with a suggestion that the shade should match with Brahamkamal shown in photo shall be captured in toto.

BoG 06.14: Any other Item(s) with the permission of the Chair

Agenda: To approve the minutes of the 5th meeting of the Finance Committee held on 18th July 2014.

Resolution: Minutes of Fifth Finance Committee meeting duly approved by Chairman, Board of Governors, shall be circulated to all the members.

The meeting ended with Vote of thanks to the Chair.



Prof. H. T. Thorat
Director

Submitted for Approval



The Chairman
Board of Governors
NIT, Uttarakhand

BoG 07.02 Actions Taken Report

On minutes of the Sixth Meeting of the Board the Action Taken Report is as below.
The Board is requested note the same.

Item No.	Agenda Items	Action Taken
BoG 06.01	Confirmation of the Minutes of the Fifth meeting of Board of Governors	Confirmed
BoG 06.02	Action Taken Report	Noted
BoG 06.03	To approve the draft Annual Report for the year 2013-14	Approved and forwarded to MHRD after due correction
BoG 06.04	Ratification of notes approved by the Chairman	Necessary action has been taken
BoG 06.05	To approve the Record Retention Schedule (RRS)	Noted for implementation, digitization of records is under process
BoG 06.06	To approve the constitution of Special Cell	Necessary action has been taken
BoG 06.07	Approval regarding nomination of Heads of the Department, Deans and Associate Deans on the Senate	Necessary action has been taken
BoG 06.08	Approval regarding change in nomenclature	Implemented
BoG 06.09	To note and approve the minutes of the Senate meeting	Noted and Implemented
BoG 06.10	To approve the formats of Annual Performance Appraisal Report (APAR)	Noted and implemented
BoG 06.11	Permission to recruit Deputy Registrar and Assistant Registrar	Item withdrawn and hence no action necessary
BoG 06.12	Items for information	Necessary action has been taken
BoG 06.13	To consider the Institute Memento	Necessary action is being taken
BoG 06.14	To approve the minutes of Fifth FC	Necessary action is being taken

BoG 07.03 Ratification of notes approved by the Chairman

Approval was taken from the Chairman, BOG for emergent and inevitable items.

1. Resignations of following members of faculty
 - a. Mr. Anand Kumar Mishra
 - b. Mr. Sarath S
 - c. Ms. Kripa Meena.
 - d. Dr. A.S. Dhundi
 - e. Mr. Nitish Kumar (Trainee Teacher)
2. Assigning responsibilities of Dean/Associate Dean
3. To consider the request of Mr. Kumar Gaurav for continuation in service.
4. Missing documents-regarding
5. Permission to attend international conference abroad-
 - a. Dr.P.K.Rakesh
 - b. Mr. Suvadip Batabyal
 - c. Ms.Sweta

The notes duly approved by the Chairman are placed at **Annexure- BoG 07.02.**

The Board is requested to ratify.

Dr. H. T. Thorat
Director

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National Institute of Technology,
Uttarakhand



Ref. No.NITUK/Estt./Pers.(AS)/2014/085/ 1930

Date:27/10/2014

NOTE SUBMITTED TO THE CHAIRMAN

Sub: Resignation of Mr. Anand Kumar Mishra.

Sir,

Mr. Anand Kumar Mishra, Assistant Professor (on contract), Department of Mechanical Engineering has tendered the resignation on 27/10/2014. As per clause 11 of his contract agreement dated 31/07/2014, he can be relieved from the Institute against one month notice.

I recommend that the resignation may be accepted and permission may be granted to relieve him on 26/11/2014 as per rules.

Director

Approved/Not Approved

(Bhaskar Bhat)
Chairman, BoG
NIT Uttarakhand



Vineeta Negi <negivineeta@gmail.com>

Fw: FW: Resignation of Mr. Sarath, Assistant Professor in Electronics

hemant thorat <htthorat@yahoo.com>
Reply-To: hemant thorat <htthorat@yahoo.com>
To: Vineeta Negi <negivineeta@gmail.com>

Sat, Feb 21, 2015 at 11:22 AM

----- Forwarded Message -----

From: Bhaskar Bhat <Bhaskarb@titan.co.in>
To: "htthorat@yahoo.com" <htthorat@yahoo.com>
Sent: Friday, January 16, 2015 11:11 AM
Subject: FW: FW: Resignation of Mr. Sarath, Assistant Professor in Electronics

We may accept the resignation of Mr Sarath.
Sent from my Xperia™ tablet

----- Bhaskar Bhat wrote -----

From: hemant thorat [mailto:htthorat@yahoo.com]
Sent: 23 December 2014 12:48
To: Bhaskar Bhat; MD's Office
Subject: Resignation of Mr. Sarath, Assistant Professor in Electronics

To
Shri. Bhaskar Bhat
Chairman, Board of Governors,
National Institute of Technology, Uttarakhand

Subject: Resignation of Mr. Sarath S

Respected Sir,
Mr. Sarath S, Assistant Professor in Electronics has resigned to join Govt. Polytechnic in Kerala near his home-town. Formal letter for acceptance of his resignation is attached for your kind approval. The resignation of Mr. Sarath may kindly be approved.

With regards,
Yours since

(H T Thorat)
Director

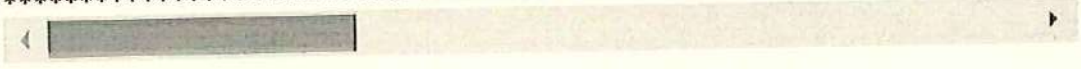
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For More information and a chance to win exclusive Singham goodies, log on to www.policewatches.in

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Ref. No.NITUK/Estt./Pers.(AS)/2015/062/ 219

Date: 8/5/2015

NOTE SUBMITTED TO THE CHAIRMAN

Sub: Resignation of Ms. Kripa Meena.

Sir,

Ms. Kripa Meena, Assistant Professor (on contract), Department of Electronics Engineering tendered the resignation on 09/03/2015. As per clause 11 of her contract agreement dated 28/07/2014, she has been relieved from the Institute services against one month salary i.e. Basic+ DA.

Postfacto approval may be granted for her discharge from duties as per rule.

Director

Approved/Not Approved

Bhaskar Bhat
Chairman, BoG
NIT Uttarakhand



Ref. No.NITUK/Estt./Pers.(AS)/2015/012/ 218

Date: 8/5/2015

NOTE SUBMITTED TO THE CHAIRMAN

Sub: Resignation of Dr. A.S. Dhundi.

Sir,

Dr. A.S. Dhundi, Assistant Professor in Mechanical Engineering Department has submitted his resignation on 25th March 2015. In his resignation letter Dr. Dhundi has indicated his inability to continue in the Institute service because of his severe health problems.

As per the rules, the notice period for leaving the service expires on 24th June 2015. He can therefore be relieved from the Institute service on 24th June 2015.

I recommend that the resignation may be accepted and permission may be granted to relieve him as per rules.

Director

Approved/Not-Approved

Bhaskar Bhat
Chairman, BoG
NIT Uttarakhand

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Ref. No. NITUK/Estt./Pers.(AS)/2015/073/220

Date: 8/5/2015

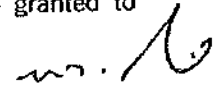
NOTE SUBMITTED TO THE CHAIRMAN

Sub: Resignation of Mr Nitish Kumar.

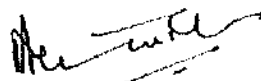
Sir,

Mr Nitish Kumar, Trainee Teacher in Electrical Engineering Department has submitted his resignation on 21st April 2015. As per clause 5 of his contract agreement dated 15th July 2015, he can be relieved from the Institute against three month notice. As per the rules, the notice period for leaving the service expires on 20th July 2015. He can therefore be relieved from the Institute service on 20th July 2015.

I recommend that the resignation may be accepted and permission may be granted to relieve him as per rules.


Director

Approved/Npt-Approved



Bhaskar Bhat
Chairman, BoG
NIT Uttarakhand

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Ref. No. NITUK/Estt./Pers.(AS)/2014/004/A-46

Date: 04/12/2014

NOTE SUBMITTED TO THE CHAIRMAN

Sub:- Assigning responsibility of Dean/Associate Dean (Examination).

Sir,

This Institute has appointed two Deans and four Associate Deans. It is necessary to have another Deans/Associate Deans for the purpose of monitoring Examination Cell.

In this connection, it is proposed to nominate Dr. M. S. Khatri, Assistant Professor, Department of Sciences & Humanities for Associate Dean (Examination) for a period of 2 years w.e.f. 4th December, 2014.

Submitted for approval please.

(H.T. Thorat)
Director

Approved/Not-Approved

Bhaskar Bhat
Chairman, BoG

Dr. H. T. Thorat
Director

राष्ट्रीय प्रौद्योगिकी संस्थान,
उत्तराखण्ड
National Institute of Technology,
Uttarakhand



Ref. No.: NITUK/Mtngs/2014/LL61

Date: 14.08.2014

Note submitted to the Chairman, Board of Governors.

Sub: - To consider the request of Mr. Kumar Gaurav for continuation in service.

Sir,

Mr. Kumar Gaurav was appointed as Assistant Professor on contract in the Department of Electronics Engineering for a period of 5 years. The appointment is subject to condition that he has to complete his Ph.D. within 5 years from the date of appointment. Mr. Kumar Gaurav was deputed to IIT Delhi for one semester to complete his Ph.D. course work. He was paid total salary during the period of deputation. The order of deputation stipulates that in case of unsatisfactory progress, his services at NIT, Uttarakhand will be terminated and Mr. Kumar Gaurav has to pay the amount of Bond (which he committed in writing) to the Institute. Mr. Kumar Gaurav left the Ph.D. course work midway and returned to the Institute. He also communicated in writing that he could not complete the required CGPA at IIT Delhi and therefore, need de-registration. This amounts to unsatisfactory performance. Mr. Kumar Gaurav was, therefore, issued a show cause notice to give reason why his services at NIT, Uttarakhand be not terminated. In response to our show cause notice, Mr. Kumar Gaurav pleaded that he could not complete the requirement of Ph.D. work due to ill health and requested another opportunity to do the Ph.D.

The request of Mr. Kumar Gaurav be considered favorably and give him one more opportunity to complete his work satisfactorily. However, the salary paid to him during the period of deputation be recovered from him as per rules.

Yours Sincerely

Director

~~Approved/Not Approved~~

Chairman,
Board of Governors,
NIT, Uttarakhand
26/8/2014

Dr. H. T. Thorat
Director

राष्ट्रीय प्रौद्योगिकी संस्थान,
उत्तराखण्ड
National Institute of Technology,
Uttarakhand



Ref.No.NITUK/Estt./Mtngs./1(B)/ 5332

Date: 28/03/2015

NOTE SUBMITTED TO THE CHAIRMAN

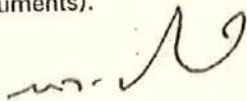
Sub: Missing document.... regarding

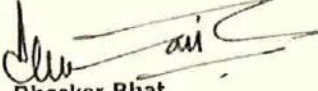
Sir,
Consequent to termination of Dr. Bhole Shankar Sikhwal the charge of store section was given to Ms. Beena Rawat (Senior Assistant) and then to Ms Anjali Gupta (Superintendent). During verification of records it is revealed that many important documents (such as Purchase Order, tender enquiries etc.) from various files dealt by Dr. Bhole Shankar Sikhwal were missing. Data from the computer provided to store section and operated by Dr. Bhole Shankar Sikhwal was also found deleted.

Immediately the concerned staff was instructed to ascertain the types and number of documents missing from those files. Report of the same will be placed before the Board.

Efforts are being made to recreate the missing records (based on supplementary documents).

This is for your information only.


Director


Bhaskar Bhat
Chairman, BoG
NIT Uttarakhand

Encl: Details of Missing Documents



Ref. No.NITUK/Estt./Pers.(AS)/2015/005/ 5782

Date: 16/02/2015

NOTE SUBMITTED TO THE CHAIRMAN

Sub: Permission to attend International Conference abroad.

Sir,

The paper of Dr. Pawan Kumar Rakesh, Assistant Professor, Department of Mechanical Engineering has been accepted for presentation in International Conference. The details are as under:-

Title of Paper: **Recent Developments in Natural Fiber Reinforced Composites**

Accepted in: **4th International Conference on Material Modeling (ICMM4)**

Place of Conference: **University of California, Berkeley, California (USA)**

Date of Conference: **27th to 29th May, 2015**

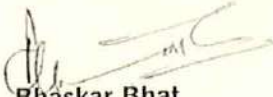
The expenditure towards his travel, registration fees, local allowances etc. will be made from the Cumulative Professional Development Allowance (CPDA) of individual concern.

Your approval for sending the above faculty-member to attend International Conference abroad is requested.

This is in conformity of the provision of NIT Statutes 14 (ii).


Director

Approved/Not Approved


Bhaskar Bhat
Chairman, BoG
NIT Uttarakhand

Dr. H. T. Thorat
Director

राष्ट्रीय प्रौद्योगिकी संस्थान,
उत्तराखण्ड
National Institute of Technology,
Uttarakhand



Ref. No.: NITUK/Mtngs/2014/1171

Date: 14.08.2014

Note submitted to the Chairman, Board of Governors.

Sub: Permission to attend International Conference abroad.

Sir,

The paper of Mr. Suvadip Batabyal, Assistant Professor, Department of Computer Science & Engineering has been accepted for presentation in International Conference. The details are as under:-

Title of Paper: Analysis of Social Structure and Routing in Human based Delay Tolerant Network

Accepted in: 17th ACM/IEEE International Conference on Modeling, Analysis and Simulation of Wireless and Mobile System (MSWiM'14)

Place of Conference: Montreal, Canada

Date of Conference: 21-26 September, 2014

The expenditure towards his travel, registration fees, local allowances etc. will be made from the Cumulative Professional Development Allowance (CPDA) of individual concern.

Your approval for sending the above faculty member to attend International Conference abroad is requested.

This is in conformity of the provision of NIT Statutes 14 (ii).

Yours Sincerely

Director

Approved/Not Approved

Chairman,
Board of Governors,
NIT, Uttarakhand

Temporary Campus-Government Polytechnic Srinagar (Garhwal), Distt. Pauri Garhwal, Uttarakhand Pin-246174
Phone: 01346-257400 (O), Fax: 01346-251095 E-Mail: nituttarakhand@gmail.com, Website: www.nituk.com

Dr. H. T. Thorat
Director

राष्ट्रीय प्रौद्योगिकी संस्थान,
उत्तराखण्ड
National Institute of Technology,
Uttarakhand



Ref. No.NITUK/Estt./Pers.(AS)/2014/059/ 1929

Date: 27 /10/2014

NOTE SUBMITTED TO THE CHAIRMAN

Sub: Permission to attend International Conference abroad.

Sir,

Research paper of Ms. Sweta Agarwal, Assistant Professor on contract, Department of Electronics Engineering has been accepted for presentation in International Conference. The details are as under:-

Title of Paper: Frequency Reconfigurable Active Antenna

Accepted in: 19th International Symposium on Antennas and Propagation (ISAP2014)

Place of Conference: Kaohsiung, Taiwan

Date of Conference: 2nd – 5th December, 2014

The expenditure towards her travel, registration fees, local allowances etc. will be made from the Cumulative Professional Development Allowance (CPDA) of individual concern.

Your approval for sending the above faculty member to attend International Conference abroad is requested.

This is in conformity of the provision of NIT Statutes 14 (ii).

Director

Approved/Not Approved

(Bhaskar Bhat)
Chairman, BoG
NIT Uttarakhand

Temporary Campus-Government Polytechnic Srinagar (Garhwal), Distt. Pauri Garhwal, Uttarakhand Pin-246174
Phone: 01346-257400 (O), Fax: 01346-251095 E-Mail: nituttarakhand@gmail.com, Website: www.nituk.com

BoG 07.04 Appointment of Deputy Director and amendment in first Statutes of NIT's

The first Statutes 18 (2) to (5) has a provision of appointment of Deputy Director in the NIT's. However the Government of India, Ministry of Human Resource Development vide letter F.No.33/6/2013 dated 27/10/2014 stipulate that appointment of Deputy Director in NITs is to be made by the Board as per Section 17(5) and 24(a) of the NITTSER Act, 2007 until further amendments are taken up in NITTSER Act. It is, therefore, necessary to make amendment in Statutes 18(1) in conjunction with amendment in Section 17(5) and Section 24 of the NITTSER Act, 2007 as under:

"The appointment of the Deputy Director shall be made by the Board on the recommendations of the Selection Committee constituted in terms of provision under Statutes 23(5) (b) of the First Statutes of NITs.

The Board is requested to approve the amendment in First Statutes as stated above. The decision of the Board will be communicated to MHRD for onward transmission for approval of the Hon'ble Visitor.

BoG 07.05: Information regarding staff recruited in Academic Year 2014.

11 teaching and 20 non-teaching staff recruited in year 2014-15. List is enclosed as **Annexure BoG 07.03**

The Board is requested to note.

List of Employees

S.No.	Name	Designation	Department	Remarks
TEACHING				
1	Mr. Tripurari Nath Gupta	Assistant Professor on contract	Electrical Engineering	
2	Mr. Manoj Kumar Senapati	Assistant Professor on contract	Electrical Engineering	
3	Mr. Girish P. R.	Trainee Teacher	Electrical Engineering	
4	Mr. Amardeep	Assistant Professor on contract	Civil Engineering	
5	Mr. M. Raja Madasamy	Assistant Professor on contract	Electronics Engineering	
6	Mr. Hemant Kumar Singhal	Assistant Professor on contract	Electronics Engineering	
7	Mr. Tejas Laheri	Trainee Teacher	Electronics Engineering	
8	Mr. Anand Kumar Mishra	Assistant Professor on contract	Mechanical Engineering	Resigned
9	Mr. Hitesh Sharma	Assistant Professor on contract	Mechanical Engineering	
10	Mr. Surendra Singh	Assistant Professor on contract	Computer Science & Engineering	
11	Mr. Deshmukh Maroti Bhujangrao	Assistant Professor on contract	Computer Science & Engineering	
NON-TEACHING				
1	Ms. Anjali Gupta	Superintendent	-	
2	Mr. Amritansh Chandra	Superintendent	-	
3	Mr. Surojit Namata	Superintendent	Accounts	
4	Mr. Sumit Kumar	Junior Engineer	Electrical	
5	Mr. Kawal Preet Singh	Technical Assistant	Electrical Engineering	
6	Mr. Lalit Mohan Bisht	Junior Engineer (Civil)	Civil	
7	Mr. Paras Sah	Technical Assistant	Civil Engineering	
8	Mr. Priyank Krishna Rudola	Technical Assistant	Student Activity & Sports Assistant	
9	Ms. Kumud Sharma	Technical Assistant	Library & Information	
10	Mr. Amit Singh	Junior Assistant	-	
11	Mr. Ajay Singh	Junior Assistant	-	
12	Ms. Swati Bhatt	Junior Assistant	-	
13	Ms. Meenakshi	Junior Assistant	-	
14	Mr. Gaurav Singh Negi	Junior Assistant	-	
15	Mrs. Pooja	Junior Assistant	-	
16	Mr. Sanjay Nautiyal	Junior Assistant	-	
17	Mr. Santosh Singh Rawat	Technician (Machinist)	Mechanical Engineering	
18	Mr. Manas Sutradhar	Technician (Carpenter)	Mechanical Engineering	
19	Mr. Rinku	Technician (Welder)	Mechanical Engineering	
20	Mr. Yudhbir Singh Negi	Technician	Computer Science & Engineering	

BoG 07.06 To approve the draft Annual Report for the year 2014-15

A draft Annual Report for the year 2014-15 is prepared as per Ministry of Human RD guidelines.

A copy of draft Annual Report is enclosed as **Annexure- BoG 07.04** for consideration and approval of the Board.

ANNUAL AND AUDIT REPORT 2014-15

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INTRODUCTION

National Institute of Technology (NIT) Uttarakhand is one among the ten newly established NITs in 2009 by the Government of India under the 11th five year plan.

The Institute is fully funded by the Government of India under the Ministry of Human Resource Development. The Institute in its fledgling years was placed under the mentorship of NIT Kurukshetra prior to Prof. H.T. Thorat joined the Institute as the first regular Director. Presently NIT Uttarakhand is carrying out its activities from its temporary campus at Government Polytechnic and ITI Srinagar Garhwal, Uttarakhand.

In the academic year 2014-15, the Institute comprised of 47 faculty members, 04 Officers and 31 non-Teaching Staff. There has also been a consequent increase in number of students intake during the year under report.

Considering the increasing number of students and teachers, the Institute expanded its campus by 600 sq.m. at the Industrial Training Institute, Srinagar, Uttarakhand.

Currently, the Institute is running full time B.Tech Programs in Computer Science Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering, and Civil Engineering with a total enrollment of 676 students.

Objectives

The Institute is committed to impart high class technical education and create a Technocrat for providing services to community and make the people aware of crucial socio-technical and socio-economic problems, offer technical solutions in rural urban and agriculture sectors. The Institute aims at structuring academic programmes in keeping with National development, generate technical human resource and interact with the Industries for development of the Nation.

Education System

The Institute runs four year Under Graduate programmes in Electrical Engineering, Electronics Engineering, Computer Science and Engineering, Mechanical Engineering and Civil Engineering.

All the programmes follow Semester pattern and Credit based system of Teaching and evaluation. The Academic year is divided into two Semesters (Autumn and Spring) and two Terms (Summer and Winter).

Students are required to attend every lecture, tutorial and practical classes. They are awarded attendance grades which are considered to make them eligible for appearing in the Examinations. Students are awarded Cumulative Grade Point Average (CGPA) for evaluation of their academic performance.

Registration:

Every student is required to be present and register at the commencement of each semester on the day notified in the Academic calendar.

- Registration for all courses is compulsory during the first two semesters of B. Tech. programme as all the courses are common for all the branches.
- For all the Semesters, the registrations are organized departmentally under the supervision of the Head of the Department.
- Students who have cleared all the dues of the Institute and Hostel in the previous Semesters, paid the prescribed tuition fees for the current Semester, and not been debarred from registering for a specified period on disciplinary or any other ground are only permitted to register.
- To be able to register in the second year and continue his / her study in the Institute at the end of the first year, a student has to earn minimum of 30 credits (after supplementary examinations) and To be able to register in the third year, a student has to earn minimum of 70 credits at the end of second year (after supplementary examinations) and should have satisfactorily cleared all the courses of first year.
- To be able to register in the fourth year, a student has to earn a minimum of 110 credits at the end of third year (after supplementary examinations).
- Students are allowed for late registration two times in the entire duration of B.Tech Programme. To avail the late registration facility, a student is required to report before the day of enrollment.

New Initiatives

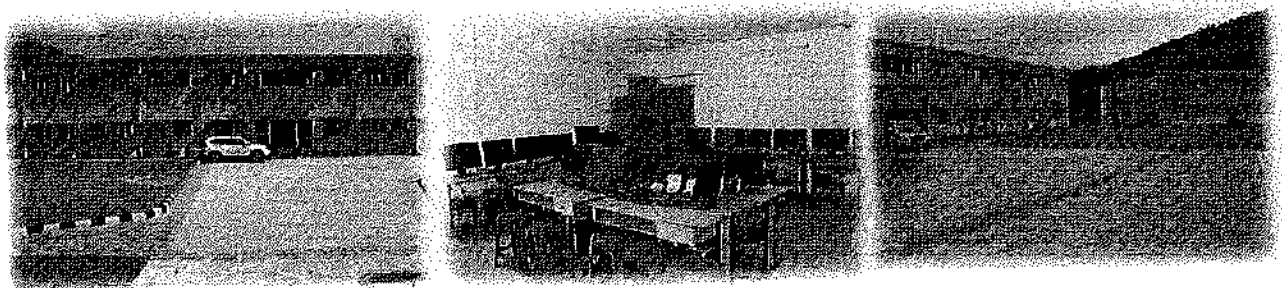
NITUK launches 'Community Project Program' for nearby 20 Villages

NITUK, under the guidance of Director Prof. H. T. Thorat, made efforts to generate social consciousness among its students and ensured that they don't develop technologically deterministic ideas as far as possible. From the current year NITUK has made it mandatory for all the students to complete a Community Project before they earn their B.Tech degrees. The Institute has pre-selected a group of 20 villages; Dang, Maletha, Rampur, Ghildiyalgaon, Debli, Naithana, Deoli, Naur, Thapli Cauras, Gorsali, Sankron, Mani, Mangasu, Supana, Sindri, Ranihatt, Dikalgaon, Pokhda, Bhainswada, Manjakor; around Srinagar to implement Community Project Programs like facilitating Video learning in local schools, building mobile science laboratories in rural areas, generating environmental awareness programs, garbage recycling, rain water harvesting, initiating of medical camps, women's empowerment programs, etc. The Institute initiated the Community Project programme on the occasion of 'Swachha Bharat Abhiyan' on the auspicious occasion of Gandhi Jayanti by undertaking Cleanliness Drive at Dang, a nearby village of Srinagar. Shri Raja Abbas, S.D.M. , Srinagar-Garhwal was the Chief Guest on the occasion; Rakesh Dobhal, the Gram Pradhan; Dr. Indrajit Nagpure, Dr. Manvendra Singh Khatri and Dr. Anirban Mukherjee, faculty members of NIT Uttarakhand were also present on the occasion. Students of NIT Uttarakhand actively participated in the cleaning operation and illustrated varied waste management techniques by means of presentations, posters, and holding interactive sessions with the villagers. Thus, the Institute strives to make students realize the social repercussions of their actions as engineers and in the process socializing them to be morally responsible citizens.



Extension of Campus at ITI, Srinagar, Garhwal Considering the increase in intake of students, the institute expended its campus in Industrial Training Institute (ITI), Campus Srinagar, Garhwal. All the Administrative Offices, Academic Departments, and Laboratories have been relocated from the Polytechnic Campus to the ITI Campus and the expended campus is functioning from July 1st, 2014. This campus is equipped with all the modern amenities and the departments have set up the state of the art laboratories at the new campus. The following table lists the location of various departments and offices:

Departments/Offices	Laboratories	Location
Administrative Offices	-	ITI Campus
Mechanical Engineering	Mechanical Workshop Lab., Kinematics of Machine Lab., Heat Transfer Lab., Applied Thermodynamics Lab., Fluid Mechanics Lab., CAD Lab., Machine Tools Lab., Strength of Materials Lab., Measurement Lab.	ITI Campus
Civil Engineering	Engineering Mechanics Lab., Fluid Mechanics Lab., Strength of Materials Lab.	ITI Campus
Electronics and Communication Engineering	Analog Electronics Lab., Communication System Lab., Digital Circuit Lab., Microprocessor Lab., Electronics System Design Lab.	ITI Campus
Electrical Engineering	Electrical Drives Lab., Control System Lab., Switch Gear Lab., Protection Lab., Electrical Machine Lab.	ITI Campus
Computer Science Engineering	Linux Lab, Network Lab, Software Lab, Program Lab, Project Lab.	ITI Campus
Sciences and Humanities	Physics Lab., Chemistry Lab., Language Lab.	Polytechnic Campus
Library	-	Polytechnic Campus
Training & Placement Cell	-	Polytechnic Campus



2.00 AN OVERVIEW

02.01 Historical Background

National Institute of Technology (NIT), Uttarakhand is one amongst the ten newly established NITs in 2009 by the Government of India, Ministry of Human Resource Development, Department of Technical Education under the 11th five year plan. The Institute is fully funded by the Government of India under the Ministry of Human Resource Development. Presently National Institute of Technology (NIT) Uttarakhand is carrying out its activities from its temporary campus at Government Polytechnic and ITI Campus in Srinagar Garhwal, Distt. Pauri- Garhwal, Uttarakhand.

02.02 Location

The temporary Campus located in the premises of Government Polytechnic and ITI Campus Srinagar Garhwal (Distt. Pauri-Garhwal) is 105 kms from Rishikesh on National Highway No. 58 leading to Badrinath (193 kms from Srinagar). Rishikesh is the nearest Railway Station. Haridwar, a major Railway Station in Uttarakhand is 130 km from Srinagar. The nearest airport is Jolly Grant, Dehradun which is 125 kms. away from Srinagar. Srinagar is connected by road from the airport at Dehradun, railway stations and bus terminals at Rishikesh and Haridwar.

02.03 Campus

The Institute has a residential campus with all the basic facilities for the students in the premises of Government Polytechnic. A separate mess is available for the students. The Institute also made a provision to accommodate the staff (staying alone as well as with families) in the town. The dispensary with visiting Doctor and a nurse cater medical needs of the staff and students.

02.04 Administration

The Director is supported by a team of Deans and Associate Deans in the matters related to Academics, Research and Planning, Student Welfare, Faculty Welfare, Planning and Development, Wardens, Centre Incharges of Computer Sports, Training and Placement, etc. Staff has been appointed in all ministerial and technical cadres as per sanction by MHRD.

02.05 Academic Programmes

The Institute runs academic programmes i.e. Under Graduate programmes in Engineering streams. Initially the programmes were in Electrical Engineering, Electronics Engineering and Computer Science and Engineering and subsequently introduced Under Graduate programme in Mechanical Engineering and Civil Engineering in the academic year 2012- 13 and 2013-14 respectively.

02.06 Courses Offered

Following Undergraduate Courses are offered by the Institute:

1. Electrical and Electronics Engineering
2. Electronics and Communication Engineering
3. Computer Science and Engineering
4. Mechanical Engineering
5. Civil Engineering

In addition, the Institute also runs Doctoral programmes in Mechanical Engineering, Civil Engineering, and also in Sciences and Humanities (Physics, Chemistry, Mathematics, English, Sociology).

02.07 Admission Procedure

Under Graduate Programmes:

Students having passed final examinations of 10+2 system conducted by recognized Central / State Board, Central Board of Secondary Education, Council for The Indian School Certificate Examination, with Physics, Chemistry, Mathematics and English subjects are eligible for admission to first year B. Tech. course.

In NIT Uttarakhand 50% of the seats are from Home State i.e. Uttarakhand Quota and the remaining 50% from others States (OS) Quota, i.e., all other States and UTs (Union Territories) accept the Home State. Other States exclude home state. The Home State of a candidate (also called State of Eligibility) is defined as the State of Uttarakhand from which the candidate has passed 12th standard (or equivalent) examination and not on the basis of nativity.

Admission to NIT, Uttarakhand is on the basis of All India Rank (AIR) prepared by CBSE considering score in JEE (Main and normalized score of class 12th or equivalent qualifying exam (60% and 40% weightage respectively) across India by Common Merit List (CML) to the first year of Engineering/Technology programmes through a centralized seat allocation procedure. Candidates are offered only one seat based on their choice and their

JEE (Main) All India Rank (AIR) in Paper-I or Paper-II as applicable. JEE (Main) AIR in Paper-I and Paper-II are considered for seat allocation.

Allocation of seat is done through the CSAB in order of preference of choices filled in by the candidates and availability of seats. A candidate may get a seat of higher preference of choices in the second round of allocation, and there may be further upgradation. The spot round of seat allocation is for the vacant seats available at Institute. After the first and second rounds, there is a spot round of seat allocation. Candidates eligible for these rounds may need to register online from places convenient to them or in any Help Centre. A candidate is required to fill in new choices for the Spot Round.

Doctoral Programme

The Institute has started offering Doctoral programmes leading to Ph. D. Degree from the Academic year 2013-14. Candidates are shortlisted on the basis of a Master's degree in concerned or an allied subject with a 1st class (C.P.I or C.G.P.A. greater than 6.75 on a 10 point scale) or at least 55% marks at Master's level & desirable GATE score/NET/SET. The shortlisted candidates on the basis of merit are called for written test followed by interview. For qualifying the written test, candidates are required to secure 40% marks. After qualifying the written test, candidates are called for Interview on the same day. The qualified candidates are offered provisional admission on Part time or Full time basis depending on the interest of the candidate. After provisional admission to the Ph.D. programme each candidate is allotted a Supervisor. They are required to identify the area of research and have to prepare a synopsis in consultation with the supervisor in first 3 months. They have to present the proposed work in pre-registration Seminar in the presence of Research Progress Committee (RPC) in the month of June/December. On recommendation of RPC, the Registration of candidate will be confirmed and will be given Registration w.e.f. 1st January/ July by paying registration fees Rs.20,000/- to Institute. The Registration will be valid for the period of 6 years. The candidate is required to pay the registration fees Rs. 15,000/- in each semester to renew his/her registration. The Institute scholars are awarded fellowship as per norms. To avail the Institute fellowship, the candidate should be GATE/NET/SET qualified, otherwise, a consolated fellowship of Rs. 10000/- are awarded to the candidate enrolled for full time Ph.D programme. Part-time Candidates are NOT awarded Institute fellowship.

Ph.D. Programme

Total 5 Scholars enrolled for Ph.D. programme during the year.

02.08 Students

Numbers of students admitted in First year B. Tech. during the year.

1.	Civil Engineering	56
2.	Electrical Engineering	52
3.	Mechanical Engineering	57
4.	Electronics and Communication Engineering	54
5.	Computer Science and Engineering	56
	Total	275

02.09 Examinations and Evaluation

Students are awarded grade points based on their performance in the class and examinations. The grades and their equivalent numerical points are listed below:

Grade	Grade points	Description
AA	10	Excellent
AB	9	Very good
BB	8	Good (Above Average)
BC	7	Meets all targeted objectives of the course.
CC	6	Below expectations
DD	4	Marginal (Meets minimum targeted objectives of the course)
EE	0	Poor
FF	0	Very poor
GG	-	Incomplete
UU	-	Unsatisfactory
PP	-	Audit pass
YY	-	Audit fail
XX	-	Withdrawal
KK	-	Continued
SS	-	Satisfactory completion (Zero credit course)
ZZ	-	Unsatisfactory / Failed (Zero credit course)
JJ	-	Failed three times in the core course. Permitted to replace it by Elective Course

Only passing grades will be shown in the final Grade Card. Student having CGPA minimum 6.75 is consider for the award of First Division.

Evaluation of Performance:

The performance of a student is evaluated in terms of two indices, viz, the Semester Grade Point Average (SGPA) which is the Grade Point Average for a semester and Cumulative Grade Point Average (CGPA) which is the Grade Point Average for all the completed semesters at any point of time.

The Earned Credits (ECR) is defined as the sum of course credits for courses in which students have been awarded grades between AA to DD. For UG students, credits from courses in which PP or SS grades have been obtained are also added.

Earned Grade Points in a semester (EGP) = \sum (Course credits x Grade point) for courses in which AA- DD grade has been obtained.

The SGPA is calculated on the basis of grades obtained in all courses, except audit courses, student with SS / ZZ grade is registered in a particular semester. UU grade is considered as failed with Grade Point Zero which is included while calculating SGPA.

The CGPA is calculated on the basis of all pass grades, except audit courses and courses in which SS/ZZ grade is awarded (obtained in all completed semesters).

SGPA = $\frac{EGP}{\sum \text{ (Course credits)}}$ for courses registered in a semester in which AA- FF grades are awarded

CGPA = $\frac{EGP}{\sum \text{ (Course credits)}}$ for courses registered in all completed semesters in which AA- DD grades are awarded.

The conversion formula from CGPA to percentage (%) is as under,

$$\text{Percentage (\%)} = 0.60 \times (\text{CGPA})^2 + 0.81 \times (\text{CGPA}) + 27.20$$

The conversion formula from percentage (%) to CGPA is as under,

$$\text{CGPA} = \frac{-0.81 + \sqrt{(0.81)^2 - 4 \times (0.60)(27.20 - \text{Percentage})}}{2 \times 0.60}$$

02.10 Training and Placement

The students of the Institute are placed in highly reputed Multi-National Companies with handsome salary packages. The Training and Placement Cell (T&P Cell) have been arranging several Placement drives for the final year students. T&P Cell strives to provide maximum opportunities to the students so that they can choose the right employer for the optimum utilization of their technical skills. The following data provides the details of the placement made through T&P Cell in the year 2014-15:

Sr. No.	Name of The Companies	Branch			Total
		ECE	CSE	EEE	
1.	NSE Infotech	01	02	-	03
2.	Yodlee	-	02	-	02
3.	Ramco	05	03	01	09
4.	Mu-Sigma	01	-	-	01
5.	Nucleus software	02	-	-	02
6.	Infosys	03	05	02	10
7.	Venera Tech.	-	02	-	02
8.	Career Blitz	-	-	01	01
Total		12	14	04	30

02.11 Events and Activities

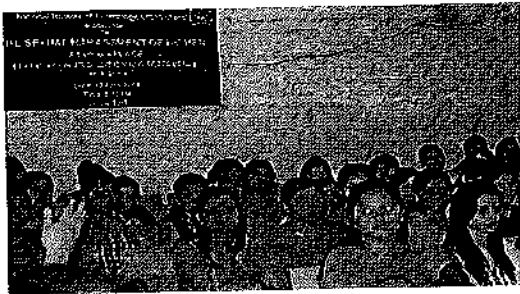
WORKSHOP ON MEDITATION

National Institute of Technology Uttarakhand has successfully conducted a "Workshop on Meditation" for the faculty and staff members during April 3-5 and for the students during April 14-17, 2014. The workshop was successfully conducted by Meditation Expert Mr. Dinesh Kumar Singh. During the eight hour practice sessions, different techniques of meditation like Sukshma Kriya, Deep Breathing, Yognidra, Sarpkriya, etc. were practiced. The workshop was attended by more than fifty faculty and staff members and sixty students of the Institute.



WORKSHOP ON "THE SEXUAL HARASSMENT OF WOMEN AT WORKPLACE"

A workshop was organized on "The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal Act, 2013)" in NIT, Uttarakhand on 22nd April 2014. The motto was to spread awareness about women's fundamental right to live with dignity, give protection to their right and prepare healthy environment to enable them to pursue their profession freely. Dr. Renu Bhadola Dangwal, Assistant Professor, Department of Sciences and Humanities, was chief coordinator. The workshop organized for female students and teaching and non-teaching staff. All the participants were apprised about the significance, principles and provisions of the Act to protect themselves from any untoward incidences. The focus of the workshop was on functioning of Internal Complaints Committee and Local Complaints Committee and procedure of lodging complaints in such cases. There was effective interaction among the participants. The workshop was concluded with the commitment to "Zero Tolerance to Sexual Harassment".



WORKSHOP ON OPEN SOURCE SOFTWARE

The Institute organised a Workshop on "Open Source Software - IT for you" on 2nd August, 2014. This workshop was part of the Spoken Tutorial Project initiated by Ministry of Human Resource Development, Govt. of India and executed by IIT Bombay. Ms. Shyama Iyer and Ms. Akanksha Saini, experts from IIT Bombay, delivered lectures on use of non-commercial softwares. About 400 students and 50 faculty members of the Institute participated in workshop. Mr. Krishan Kumar, Assistant Professor in CSE and Mr. Nitin Kumar HoD CSE took special efforts to make the workshop a grand success.

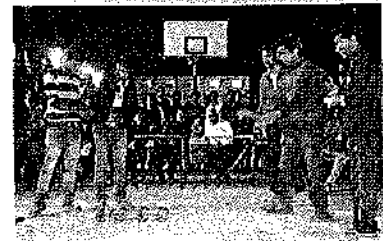


GANESH CHATURTHI

NIT Uttarakhand celebrated Ganesh Mahotsav from 29th to 31st August, 2014. The Mahotsav began with a procession of the idol of Lord Ganesh with fanatics enchanting the phrase "Ganpati Bappa Morya" all the way. A series of cultural events were held after the Pooja and Prasad Vitaran. The celebration came to an end with the immersion of idol in the Alaknanda River.

**ROBO WAR AT NIT UTTARAKHAND**

NIT Uttarakhand proudly exhibited its first Robotic Event on November 15th and 16th, 2014. The two-day thriller event was organized at the open court within campus premises and was inaugurated by Prof. H.T. Thorat, Director, NITUK. A small presentation was given by the students of second year highlighting their current progress and future plans for upliftment. The robo war was judged by the Coordinators' of the Robotics Club of the Institute. A robo race was arranged on second day of the event in which the participants modulated their robo cars along the versatile paths designed by the coordinators. The participant competing the event within the shortest time was crowned the winner. The winner of each sub-event received awards from the Robotics Club.

**CLASH OF THE BATCHES**

NIT Uttarakhand witnessed three days of back-to-back cultural competition among the three senior B.Tech batches. The three day extravaganza was inaugurated on 16th October, 2014 with the second, third and fourth year batches respectively going on to showcase their talent on all the three days. Students were free to perform any cultural event within a period of one hour and twenty minutes. The Jury comprised two faculty and five students from AIIMS, Rishikesh. Dr. Mrinal Prakash Barua and Dr. Arun Goel were the faculty members who judged the competition. The third year batch produced a spectacular show on the very first day of the competition; the second year batch performed on the next day. The senior most batch of the Institute raised the bar of the competition by displaying a perfect combination of talent and managerial skills. Adjudged the most entertaining and well managed performance, the final year of the B.Tech degree, i.e., 2011 batch bagged the Rolling Trophy.



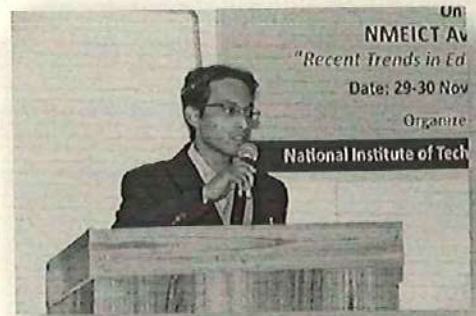
DEPARTMENTAL GATHERING

A rejuvenating experience and a well-deserved break from the hectic academic life, the Departmental Gathering was organized by the Council of Student Activities (CSA) on November 1st-2nd, 2014. The event provided an ideal platform for the juniors and seniors to interact and build a good rapport. Each branch was represented by their peerless tagline, like Acopia (CSE), Droidz (Mech), Electrovaganza (EEE), Euphoria (ECE), Structomania (CIV). The event included games such as treasure Hunt, Flash mob, Sack race, quiz, debate, etc. The highlights of the day were inimitable event like Fun Ki Rally of ECE and CSE theme based fashion runway of 'beggar' and 'tribe'. The highlight of the final day was the DJ night, where everyone moved to the groove and partied. It was the most happening event of the year and had everyone yearning for more.



NMEICT WORKSHOP

A national level 2-Day NMEICT (National Mission on Education through Information and Communication Technology) Workshop was successfully organized by the Department of Computer Science and Engineering on 29th & 30th November, 2014. The inaugural speech was delivered by the Patron of the workshop and Director, NIT Uttarakhand, Prof. H. T. Thorat. The theme of the workshop was "Recent Trends in Education System" in which various latest technologies like e-learning, m-learning, virtual classrooms/labs, simulation based experiments and other current research areas were discussed. The experts invited for the workshop were: Prof. Sudip Misra from IIT Kharagpur, Prof. Amitava Gupta from Jadavpur University, Prof. Samiran Chattopadhyay from Jadavpur University, Prof. R. K. Agrawal from Jawaharlal Nehru University, Dr. R. K. Pateria from Maulana Azad National Institute of Technology, Bhopal. The experts delivered lectures and demonstrated ways of improving teaching standards in engineering colleges. The workshop was attended by faculty members from various engineering colleges of India.



RUN FOR UNITY

On auspicious occasion of Late Shri Sardar Vallabhai Patel's birth anniversary on 31st October, 2014 which was celebrated nationwide through "Run for Unity", students, faculty and staff members of the Institute ran enthusiastically for 800 meters, from Govt. Polytechnic campus to Govt. Industrial Training Institute (ITI) campus. This Run was an initiative to promote unity and amalgamation among the Indians.



SPIC MACAY WORKSHOP

Plethora of classics, textuality of Oral tradition and poetics classical performances have always been summbonum of human life. The students of the Institute have always craved for the taste of the same. Owing to the Cultural tradition of the Institute, Dakshina Vaidyanathan was invited to the Institute to conduct a Workshop on *Bharatnatyam*, a classical Indian dance form that originated in the temples of South India. Chhavi, Neeti, Roohmoney, Saloni, Viplove, Mukul, Himanshu, Abhishek, Ashish and Roshan from B.Tech (First Year) and Meenakshi from second year participated in the workshop. The Workshop was coordinated by Kanchan Jha and Rajat Kapoor, both from third year.

The workshop was preceded by a beautiful Live Concert which was fervently enjoyed by the Faculty, staff and students. Prof H T Thorat inaugurated and welcomed the guests on the same occasion.



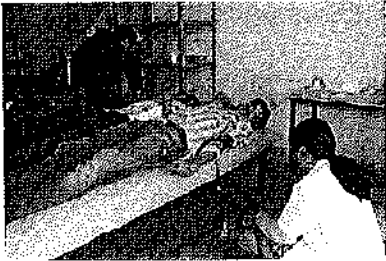
LOHRI CELEBRATION

Lohri a famous festival that marks the culmination of winter was celebrated in the Institute on 13th January, 2015. With immense zest, students of all the four years participated in this joyous event. This festival commemorates the passing of the winter solstice. A blazing bonfire was lit to enjoy the circle of warmth. Everyone wished for prosperity and happiness by offering peanuts and til (sesame seed) in the auspicious fire. The celebration epitomized the sensation of love, gratitude, and spirit of brotherhood.



BLOOD DONATION CAMP

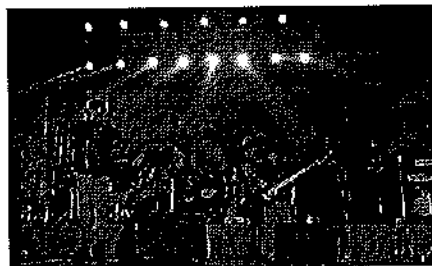
The greatest joy in one's life is to give someone a gift of life. With this spirit on 9th February, 2015, the Institute organized a blood donation camp to provide students an opportunity to be a part of this selfless act. Over hundred students participated in this program.



CLIFFESTO, 2015

The Institute organized its first National Level Techno-Cultural Festival – 'Cliffesto' from 20th to 22nd February, 2015. Cliffesto, which is a combination of the words "cliff" (signifying height/location of NIT Uttarakhand) and "fest" (signifying festival on the cliff). The event got much needed support from big corporate houses like Fastrack (the Title Sponsor), NBCC (the Co-title Sponsor), ONGC, The Times of India (the official Media Partner), the State Bank of India, Uttarakhand Tourism Development Board, etc. The maiden edition of Cliffesto managed to garner participation from students of more than ten Institutes and Universities including IIT Roorkee, MANIT Bhopal, MJP Rohilkhand University Bareilly, DIT University Dehradun, College of Engineering Roorkee, etc.

Apart from various Cultural and Technical Competitions in the form of Dance, Music, Dramatics, Fine Arts, Robotics, Bridge Gearing, Coding, LAN Gaming, Cliffesto 2015 was studded with many attractions and activities. The major attractions of Cliffesto 2015 were a National Level Rafting Workshop sponsored by Sarovar Ganga, "Sham-e-shayari" which was a congregation of renowned poets like Rahat Indori, Sandeep Sharma, and Parth Naveen, a competition of bands in "Orchest-o-ra" and the performance of Dr. Palash Sen's band "Euphoria" in the Pro Nite on 22nd February. Furthermore, Team Cliffesto undertook various social initiatives in the form of organizing a Blood Donation Camp in association with VCSG Medical College, Srinagar and LIC (Life Insurance Competition) and a Cleanliness Drive at Srinagar. With prizes worth Rupees Four Lacs, Cliffesto witnessed participation from more than four hundred students from outside, which in itself was an encouraging feat considering that it was the maiden festival of a newly



02.12 Games and Sports

Games and Sports facilities

The Institute provides good sporting facilities, equipments, training and recreational programs to the students & staff members. The Institute boasts of well-maintained football grounds, well-equipped gymnasium, and three cemented pitches for net practice of cricket. Besides, the Institute offers ample indoor sporting facilities like Carom, Chess, Table Tennis, etc. The Institute regularly organizes Adventurous activities like river rafting/kayaking and ice skiing.

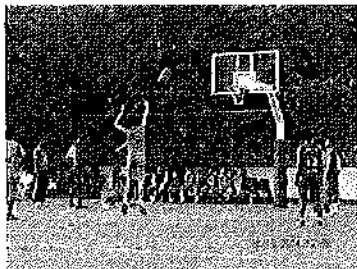
Sports participation

The great moment of our Institution was participation in Inter-NIT Cricket tournament held at NIT Allahabad from Feb 13th to Feb 15th, 2015. Our students put up a commendable show at the tournament.

Participation in Open Basketball tournament: SSB Academy, Srinagar organized the Open Basketball tournament between Oct. 29th and Nov. 1st, 2014. The Institute basketball team actively participated in the tournament.

Adventurer's trip: The Institute nurtures and encourages the spirit of adventure of its faculty, staff members, and students. The annual skiing expedition at Auli was organized on 7th and 8th February, 2015. Auli, located at an elevation of 2500 to 3050 meters, is an important ski destination of Uttarakhand, India. The Auli trip was immensely successful and witnessed participation from 245 B.Tech Ist year students & 40 staff members.

Inter house competition: In the session 2014-2015, the Institute organized various intramural competitions like Volley ball, Badminton, Table tennis, Cricket, Basketball, etc.



02.13 Notable Achievements

The following table depicts the notable achievements of the faculty members:

Sl. No.	Name of the staff member with designation	Name of the Paper/Book	Publication details
1.	Dr. Indrajit Manohar Nagpure, Assistant Professor of Physics, Dept. Sciences & Humanities	Enhanced UVB emission and analysis of chemical states of $\text{Ca}_5(\text{PO}_4)_3\text{OH}:\text{Gd}^{3+}, \text{Pr}^{3+}$ phosphor prepared by co-precipitation	Journal of Physics and Chemistry of Solids, 75 (2014): 998-1003.
		Oxidation states of Eu and its luminescence behavior in $\text{Sr}_5(\text{PO}_4)_3\text{F}:\text{Eu}$ phosphor	Proceeding of the 5 th International Conference on Luminescence and its Applications (ICLA-2015), PES University, Bangalore, India.
2.	Dr. Saroj Ranjan De Assistant Professor of Chemistry, Dept. Sciences & Humanities	Regio- and Stereoselective Monoepoxidation of Dienes using Methyltrioxorhenium: Synthesis of Allylic Epoxides	Org. Chem., 2014, 79 (21), pp 10323–10333 [Impact factor: 4.64]
		Regio- and Enantioselective Catalytic Monoepoxidation of Conjugated Dienes: Synthesis of Chiral Allylic cis-Epoxides	Org. Lett., 2015, 17 (4), 1058-1061 [Impact factor: 6.32]
3.	Dr. Kuldeep Sharma Assistant Professor of Mathematics, Dept. Sciences & Humanities	Numerical Studies of Semi-permeable Inclined Crack in 2-D Finite Piezoelectric Media using Distributed Dislocation Method	Mathematical Sciences International Research Journal Vol 4 Issue 1 with ISSN 2278 – 8697 & ISBN 978-93-84124-36-6
4.	Dr. Anupam Yadav Assistant Professor of Mathematics, Dept. Sciences & Humanities	Artificial Neural Network Technique for Solution of Nonlinear Elliptic Boundary Value Problems	Advances in Intelligent Systems and Computing Volume 335, 2015: 113-121.
		An Introduction to Neural Network Methods for Differential Equations	Springer 2015, XIII, 114 p. 21 illus, ISBN 978-94-017-9815-0
5.	Dr. Ajay K. Chaubey, Assistant Professor of English, Dept. Sciences & Humanities	V S Naipaul: An Anthology of 21st Century Criticism	Atlantic Publishers & Distributors, New Delhi in January 2015.
6.	Ms. Sweta Agarwal Assistant Professor, Dept. Electronics and Communication Engineering	Frequency Reconfigurable Active Antenna	International Symposium on Antennas and Propagation (ISAP), 2-5 (2014):87-88.
7.	Mr. Tushar Goel Assistant Professor, Dept. Electronics and Communication Engineering	Inner Tapered tree – shaped fractal antenna for UWB Application	Microwave and optical technology letter 57.3 (2015): 559-567
8.	Mr. Saumendra Sarangi Assistant Professor, Dept. Electrical and Electronics	Synchronize Database Adaptive backup protection for series compensated line.	IET Generation, transmission & Distribution, no. 12. 08 (2014):1979-1986.

	Engineering	Topic: Cardiac Arrhythmia classification of ECG signal using Morphology & Heart Beat Rate, IEEE Computer Society.	Proceeding of the 4 th International conference on advances in computing & communications – August, 2014
9.	Mr. Shashi Narayan, Assistant Professor & HoD, Dept. Civil Engineering	A smooth discretization bridging finite element and mesh-free methods using polynomial reproducing simplex splines	Paper No. : CMES (Computer Modeling in Engineering and Sciences) 201405303021
10.	Mr. Nitin Kumar, Assistant Professor & HoD, Dept. Computer Science and Engineering	Incremental and Decremental Exponential Discriminant Analysis for Face Recognition"	International Journal of Computer Vision and Image Processing (IJCVIP), 2014, 2(2): 40-55, ISSN No: 2155 – 6997.
		Two Stage Nonparametric Discriminant Analysis for Small Sample Size Problem in Face Recognition	International Journal of Information Processing (IJIP), 2014, 8(3):13-22, ISSN No: 0973 – 8215
11.	Mr. Suvadip Batabyal, Assistant Professor Dept. Computer Science and Engineering	Analysing social behaviour and message dissemination in human based delay tolerant network	Wireless Networks, 21(2):513-529 (2015). (SCI Indexed)
		Analysis of social structure and routing in human based delay tolerant network	Proceeding of 17th ACM international conference on Modeling, analysis and simulation of wireless and mobile systems (MSWIM'14), pp. 169–176.
12.	Mr. Surendra Singh, Assistant Professor Dept. Computer Science and Engineering	Improve real-time packet scheduling algorithm with security constraint	Proceedings of India Conference (INDICON), 2014 Annual IEEE, pp. 1,6, 11-13 Dec. 2014, doi: 10.1109/INDICON.2014.7030461

Major Research approved:

1. Dr. Saroj Ranjan De, Assistant Professor of Chemistry, Dept. of Sciences & Humanities Title: "Regioselective Synthesis of Fused Polyaryl Compounds via Nucleophilic Addition to Borylbenzyne: Application to the Synthesis of Topopyrone C& D" Funding Agency: DST under Start-Up Research Grant (vide letter Reg. No: CS-230/2014 dated 31st October, 2014) Amount: Rs. 27/- Lacs.
2. Dr. I.M. Nagpure, Assistant Professor of Physics, Dept. of Sciences & Humanities Title: "Synthesis and development of polymeric compounds (phenylated quinolone based) for OLED (Organic light emitting devices) applications" Funding Agency: Science and Engendering Research Board, (SERB) (A Statutory body under Department of Science and Technology, Government of India) Under Scheme for "Young Scientist-(Physical Sciences)" Amount: Rs. 22/- Lacs (approx.)
3. Ms. Sarita Yadav, Trainee Teacher, Dept. of Electronics & Communication Engineering was awarded Gold Medal in B.Tech. (Faculty of Engg., & Technology Jamia Millia Islamia) on 17th November 2014.

02.14 Research and Development Infrastructure

Each department procured sufficient infrastructure for research and development activity during the year. This includes National Instrument's (NI) LabView Software, drives, inverted pendulum, Matlab, Oracle, Cisco Router, Blade Server, Permanent Magnet Brushless DC Motor, Vector Controlled Induction Motor, Solar and wind renewable energy system, Digital Storage Oscilloscope, servo motor.

ECE department equipped with Elvis-II, Emona Sigex, NIPXI-5441, 100 MS/S AWG with onboard signal processing, NIPXIE 5632, 8.5 GHz vector network analyzer, NIPXIE-8820 2.2 GHz Celeron 1020 dual core, NI PXIE – 1085 18 slots 3 UPXI Express Chasis, RF Signal Analyzer up to 20 GHZ USB Signal Generator, RF Signal Analyzer up to 26.5 GHz Phase Matrix 26.5 GHz, PXI Vector Analyzer. NI USRP Wireless Communication 2932, 400 MHz to 4.4 GHz, gps clock software radio kit, hardware driver, 144, 400 and 1200 MHz Triband 7-inch vertical antenna, dual band 2.4 to 2.48 GHz and 4.9 to 5.9 GHz vertical antenna, 3 dbi gain, USRP MIMO Sync and Data Cables.

Mechanical Engg Dept. procured National Instruments module for measuring pressure, temperature, acceleration, and strain. The Lab View software, computer aided design facility, wind tunnel, Universal testing Machine, machine shop and workshop facility. Mechanical Engineering department has research interest in Manufacturing, Tool Design, Thermal, and Material Characterization.

Hall-Effect Setup, Four Probe Method, He-Ne Laser, Solar Cell, pH meter and conductivity meter, workshop and high speed computing facilities are available during the year for researchers. A large number of online e-journals such as those of ieeee, asme, sciencedirect, etc. are made available for supporting research activities.

03:00 THE STAFF

03:01 Academic Staff

Sl. No.	Department	Professor	Associate Professor	Assistant Professor	Total
1.	Civil Engineering	-	-	05	05
2.	Computer Science and Engg.	-	-	09	09
3.	Electronics and Comm. Engg.	-	-	06	06
4.	Electrical Engg.	-	-	09	09
5.	Mechanical Engg.	-	01	05	06
6.	Chemistry	-	-	02	02
7.	English	-	-	02	02
8.	Mathematics	-	-	04	04
9.	Physics	-	-	02	02
10.	Sociology	-	-	01	01
Total		-	01	45	46

List of Faculty members

Sl. No.	Name	Branch	Position
Associate Professor			
1.	Dr. A. S. Dhundi	Mechanical Engg.	Regular
Assistant Professors- Sciences and Humanities			
2.	Dr. Manvendra Singh Khatri	Physics	Regular
3.	Dr. Nagpure Indrajit Manohar	Physics	Regular
4.	Dr. Saroj Ranjan De	Chemistry	Regular
5.	Dr. Pankaj Kandwal	Chemistry	Regular
6.	Dr. Kuldeep Sharma	Mathematics	Regular
7.	Dr. Dheerendra Bahadur Singh	Mathematics	Regular
8.	Dr. Nitin Sharma	Mathematics	Regular
9.	Dr. Anupam Yadav	Mathematics	On Contract
10.	Dr. Ajay Kumar Chaubey	English	Regular
11.	Dr. Renu Bhadola Dangwal	English	Regular
12.	Dr. Anirban Mukherjee	Sociology	Regular
Assistant Professors- Electronics and Communication			
13.	Mr. Kumar Gaurav	Communication and SP	On Contract
14.	Ms. Ghanapriya Singh	Signal Processing	On Contract
15.	Mr. Santosh Kumar Bhagat	RF and Microwave	On Contract
16.	Mr. M. Raja Madasamy	Electrical Engineering	On Contract
17.	Mr. Tushar Goel	Microwave Engineering	On Contract

18.	Ms. Sweta Agarwal	Radio Frequency Design &	On Contract
Assistant Professors- Electrical			
19.	Mr. Prakash Dwivedi	Control System	On Contract
20.	Mr. Vineet P. Chandran	Power Systems	On Contract
21.	Mr. Mahiraj Singh Rawat	Power Systems	On Contract
22.	Mr. Sourav Bose	Power Systems	On Contract
23.	Mr. Saumendra Sarangi	Power Control & Drives	On Contract
24.	Mr. V. G. Durgarao Rayudu	Control System	On Contract
25.	Mr. Suryanarayana Gangolu	Power System	On Contract
26.	Mr. Tripurari Nath Gupta	Power Electronics & Drives	On Contract
27.	Mr. Manoj Kumar Senapati	Control System	On Contract
Assistant Professors- Mechanical			
28.	Dr. Pawan Kumar Rakesh	Manufacturing	Regular
29.	Mr. Vikas Kukshal	CAD- CAM	On Contract
30.	Dr. Apurba Mandal	Vibration Analysis	On Contract
31.	Dr. Ashwini Kumar Yadav	Heat Transfer	On Contract
32.	Mr. Dungali Sreehari	Production & Industrial	On Contract
Assistant Professors- Computer Science			
33.	Mrs. Mitali Halder	Nat. Lang. Processing	On Contract
34.	Mr. Nitin Kumar	Image Processing	On Contract
35.	Mr. Maheep Singh	Network Security	On Contract
36.	Mr. Suvadip Batabyal	Software Engineering	On Contract
37.	Mr. Krishan Kumar	Computer Science &	On Contract
38.	Mr. Navjot Singh	Computer Science &	On Contract
39.	Mr. Parveen Kumar	Software Engineering	On Contract
40.	Mr. Deshmukh Maroti Bhujangrao	Information Technology	On Contract
41.	Mr. Surendra Singh	Software Engineering	On Contract
Assistant Professors- Civil			
42.	Ms. Smita Kaloni	Civil Engineering	On Contract
43.	Dr. Aditya Kumar Anupam	Civil Engineering	On Contract
44.	Mr. Shashi Narayan	Civil Engineering	On Contract
45.	Mr. Devesh Punera	Structural Engineering	On Contract
46.	Mr. Laiju A.R.	Environmental Engineering	On Contract

03.02 Officers

Sl. No.	Designation	In position
1.	Director	01
2.	Assistant Registrar	01
3.	Assistant Librarian	01
4.	Students Activity and Sports Officer (S.A.S.O.)	01
Total		04

Details of Officers

Sl. No.	Name	Designation
1.	Prof. H. T. Thorat	Director
2.	Dr. Vineeta Negi	Assistant Registrar (<u>Administration</u>)
3.	Dr. Kuldeep Singh	Students Activity and Sports Officer
4.	Dr. Gareema Sanaman	Assistant Librarian

Faculty with additional responsibilities

Sl. No.	Name	Designation	Post held
1.	Dr. A. S. Dhundi	Associate Professor	Dean (FW)
2.	Dr. Saroj Ranjan De	Assistant Professor	Dean (Academics)
3.	Dr. Indrajit M. Nagpure	Assistant Professor	Associate Dean (P&D)
4.			

Sl. No.	Designation	PB and GP	In position	OPEN	SC	ST	OBC
Technical							
1.	Technical Assistant	PB-2, ₹4200	07	06	-	-	01
2.	Laboratory Assistant	PB-1, ₹2000	01	01	-	-	-
3.	Technician	PB-1, ₹2000	08	07	01	-	-
Ministerial							
1.	Superintendent	PB-2, ₹4200	05	04	-	-	01
2.	Senior Assistant	PB-1, ₹2400	01	01	-	-	-
3.	Junior Assistant	PB-1, ₹2000	08	08	-	-	-
Supporting Staff							
1.	Multi Tasking	PB-1, ₹1800	01	01	-	-	-
Total			31	28	01	-	02

Non-Teaching staff (Details)

Sl. No.	Name	Designation	Department
1.	Mr. Anoop Sharma	Superintendent	Accounts
2.	Mr. Sanjay Bhatt	Superintendent	Establishment
3.	Ms. Anjali Gupta	Superintendent	Stores
4.	Mr. Amritansh Chandra	Superintendent	Hostel
5.	Mr. Surojit Namata	Superintendent	Accounts
6.	Mr. Lalit Mohan Bisht	Junior Engineer	Civil
7.	Mr. Sumit Kumar	Junior Engineer	Electrical
8.	Mr. Anant Dev Tyagi	Technical Assistant	Computer Science
9.	Ms. Bhavana	Technical Assistant	Electronics
10.	Mrs. Neha Raturi	Technical Assistant	Physics
11.	Mr. Ram Mohan Gupta	Technical Assistant	Mechanical
12.	Mr. Kawal Preet Singh	Technical Assistant	Electrical
13.	Ms. Kumud Sharma	Technical Assistant	Library
14.	Mr. Priyank Krishna Rudola	Technical Assistant	Sports
15.	Mrs. Beena Rawat	Senior Assistant	Academic
16.	Ms. Rekha Rawat	Junior Assistant	Establishment
17.	Ms. Swati Bhatt	Junior Assistant	Academic
18.	Mrs. Meenakshi Bhatt	Junior Assistant	Academic
19.	Mr. Amit Singh	Junior Assistant	Establishment
20.	Mr. Ajay Singh	Junior Assistant	Hostel
21.	Mr. Gaurav Singh Negi	Junior Assistant	Accounts
22.	Mr. Sanjay Nautiyal	Junior Assistant	Stores
23.	Mrs. Pooja	Junior Assistant	Director Office
24.	Mr. Anil Bhatt	Laboratory Assistant	Chemistry
25.	Mr. Jai Dev	Technician	Computer Science
26.	Mr. Manoj Kumar	Technician	Computer Science
27.	Mr. Yudhbir Singh Negi	Technician	Computer Science
28.	Mr. Pradeep Kumar	Technician	Electrical
29.	Mr. Sumit Chander Singh Rawat	Technician	Electronics
30.	Mr. Santosh Singh Rawat	Technician	Mechanical
31.	Mr. Manas Sutradhar	Technician	Mechanical
32.	Mr. Rinku	Technician	Mechanical

Staff departed during the year

Sl. No.	Name	Department	Reason
1.	Prof. V.K.Sharma	Electrical Engineering	Resigned and relieved on his own request
2.	Mr. Anand Kumar Mishra	Mechanical Engineering	Resigned and relieved on his own request
3.	Dr. Deepak Behera	Sciences & Humanities	Resigned and relieved on his own request
4.	Mr. Sarath S.	Electronics & Communication Engineering	Resigned and relieved on his own request
5.	Ms. Kripa Meena	Electronics & Communication Engineering	Resigned and relieved on her own request
6.	Dr. Bhole Shankar Sikhwal	Assistant Registrar	<u>Terminated</u>
7.	Mr. Subinoy Chaudhary	Technical Assistant of Electrical Engineering	Resigned and relieved on his own request

Staff joined during the year

Sl. No.	Name	Department
1.		
2.		
3.		
4.		
5.		
6.		
7.		

03.03 Continuing Education Programme

The faculty members attended Seminars, Conferences and Workshops under the continuing education programme. The details are as under:

S. N.	Name of the staff member with designation	Workshop/Conference/Seminars	Place	Date	
				From	To
1.	Dr. Manvendra Singh Khatri, Assistant Professor of Physics & HoD, Dept. of Sciences & Humanities	Delivered a talk on "New Horizons in Theoretical and Experimental Physics (NHTEP 2015)"	Department of Physics, PG College Gopeshwar, Garhwal.	19 th Feb., 2015	20 th Feb., 2015
		Presented a paper on "Tuning magnetic properties by controlling the composition of electrodeposited" in International Conference on "Current Developments in Atomic, Molecular Optical and Nano Physics with Applications" CDAMOP-2015 CoxPt1-x nanowires.	University of Delhi	11 th Mar., 2015	14 th Mar., 2015
2.	Dr. Indrajit Manohar Nagpure, Assistant Professor of Physics, Dept. of Sciences & Humanities	Presented a paper on "Oxidation states of Eu and its luminescence behavior in Sr5(PO4)3F:Eu phosphor" at the 5th International Conference on Luminescence and its Applications (ICLA-2015)	PES University, Bangalore,	9 th Feb., 2015	12 th Feb., 2015
3.	Dr. Kuldeep Sharma, Assistant Professor of Mathematics, Dept. of Sciences & Humanities	Attended International Conference on "Advances in Mathematical Sciences"	Khalsa College, Patiala, Punjab	19 th Mar., 2015	21 st Mar., 2015
4.	Dr. Anupam Yadav, Assistant Professor of Mathematics, Dept. of Sciences & Humanities	Attended 4 th International Conference on "Soft Computing for Problem Solving"	NIT, Silchar	27 th Dec., 2014	29 th Dec., 2014
5.	Dr. Anirban Mukherjee, Assistant Professor of Sociology, Dept. of Sciences & Humanities	Delivered a talk on "Qualitative Research" at the Research Methodology Workshop	Dept. of Forestry & Natural Resources, HNB University Srinagar, UK	7 th Feb., 2015	16 th Feb., 2015
6.	Ms. Ghanapriya Singh, Assistant Professor, Dept. of Electronics & Communication Engineering	Attended IEEE Smart Tech workshop on "Internet of Things".	Bangalore	26 th Sept., 2014	27 th Sept., 2014

7.	Ms. Sweta Agarwal, Assistant Professor, Dept. of Electronics & Communication Engineering	Presented a paper on "Frequency Reconfigurable Active Antenna" at the International Symposium on Antennas and Propagation (ISAP)	Kaohsiung, Taiwan	2 nd Dec., 2014	5 th Dec., 2014
8.	Mr. Tejes Laheri, Trainee Teachers, Dept. of Electronics and Communication Engineering	Presented a paper on "Interference mitigation of UWB signal from IEEE 802.11a signal by template waveform processing using fourier transform" at 2014 Annual IEEE	IEEE, Pune	11 th Dec., 2014	13 th Dec., 2014
9.	Dr. Aditya Kumar Anupam, Assistant Professor, Dept. of Civil Engineering	Presented a paper on "Effect of Fly of Ash and Rice Husk Ash on permanent deformation behavior or subgrade soils under cyclic Triaxial Loading" at International Conference on Transportation Planning and Implementation methodology for developing countries (11th TPMDC, 2014)	IIT, Bombay	10 th Dec., 2014	12 th Dec., 2014
10.	Mr. Manoj Kumar Senapati, Assistant Professor, Dept. of Electrical & Electronics Engineering	Presented a paper on "Cardiac Arrhythmia classification of ECG signal using Morphology & Heart Beat Rate, IEEE Computer Society" at the 2014 Fourth International conference on Advances in Computing & Communications.	IEEE, Kerala Section	27 th Aug., 2014	27 th Aug., 2014
11.	Mr. Nitin Kumar, Assistant Professor & HoD, Dept. of Computer Science and Engineering	Two Weeks ISTE Workshop on "Computer Programming"	IIT, Bombay	20 th May, 2014	21 st May, 2014
		Attended a conference on "How to Publish a Technical Paper"	IEEE, IIT Delhi.	11 th Aug., 2014	11 th Aug., 2014
		Organized a 2-Day National Level NMEICT workshop on "Recent Trends in Education System" sponsored by MHRD	NIT, Uttarakhand	29 th Nov., 2014	30 th Nov., 2014
12.	Mr. Suvadip Batabyal, Assistant Professor, Dept. of Computer Science and Engineering	The 17th ACM International Conference on "Modeling, Analysis and Simulation of Wireless and Mobile Systems"	Hyatt Regency, Montreal, Canada	21 st Sept., 2014	26 th Sept., 2014
13.	Mr. Krishan Kumar Assistant Professor, Dept. of Computer Science and Engineering	Organized a Workshop on "Open Source Software - IT for you".	NIT, Uttarakhand	2 nd Aug., 2014	2 nd Aug., 2014
14.	Mr. Parveen Kumar Assistant Professor Dept. of Computer	Presented a paper on "Spotting the Phenomenon of Bad Smells in Mobile Media Product Line	IEEE, Noida	7 th Aug., 2014	9 th Aug., 2014

	Science and Engineering	Architecture" at the 7th International Conference on Contemporary Computing, IC3 2014.			
15.	Mr. Surendra Singh, Assistant Professor, Dept. of Computer Science and Engineering	Participated in NMEICT Awareness workshop	MNNIT, Allahabad	29 th Aug., 2014	30 th Aug., 2014
16.	Dr. Pawan Kumar Rakesh, Assistant Professor & HoD, Dept. Mechanical Engineering	Presented a paper on "Properties of Drilled Glass Fiber Reinforced Plastic Laminates" at a Conference on "Processing and Fabrication of Advanced Materials XXIII (PFAM 23)"	IIT, Roorkee	5 th Dec., 2014	7 th Dec., 2014
17.	Dr. Apurba Mandal, Assistant Professor, Dept. Mechanical Engineering	Attended a Workshop on "Recent Trend in Oil & Natural gas Drilling Technology"	ONGC, Dehradun	25 th Aug., 2014	29 th Aug., 2014

04.00 ACADEMIC PROGRAMMES**04.01 Courses Offered****Undergraduate Courses (B. Tech.) first year (2014 batch)**

Sl. No.	Branch	Duration	Sanctioned Intake	Enrolled
1.	Civil Engineering	4 Years	60	56
2.	Computer Science & Engineering	4 Years	60	56
3.	Electronics & Communication Engineering	4 Years	60	54
4.	Electrical & Electronics Engineering	4 Years	60	52
5.	Mechanical Engineering	4 Years	60	57
Total			300	275

04.02 Enrollment with Gender, Caste break-up**Undergraduate Courses (B. Tech.)**

Name of the Course	Total No. of Students (all years)			Out of Total No. of student shown in Col. (2)& (3)								
	Boys	Girls	Total	SC			ST			PWD		
				Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
I Year	249	26	275	35	05	40	20	02	22	04	-	04
II Year	213	26	239	36	08	41	19	02	20	03	-	03
III Year	88	5	93	16	1	17	6	0	6	02	01	03
IV Year	63	6	69	07	3	10	6	0	6	0	0	0
Total	613	63	676	94	17	108	51	04	54	09	01	10

a) Student on rolls B.Tech. (Class-wise & Branch-wise) during 2014-15.

Branch	I Year			II Year			III Year			IV Year		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1. Civil Engineering												
Open	26	00	26	23	01	24	-	-	-	-	-	-
OBC	15	01	16	15	01	16	-	-	-	-	-	-
SC	7	02	09	08	01	09	-	-	-	-	-	-
ST	05	00	05	06	01	07	-	-	-	-	-	-
Total	53	03	56	52	04	56	-	-	-	-	-	-
2. Electrical & Electronics Engineering												
Open	24	02	26	22	00	22	10	00	10	08	00	08
OBC	15	00	15	07	00	07	06	00	0	08	00	08
SC	07	00	07	09	00	09	03	00	0	03	00	0

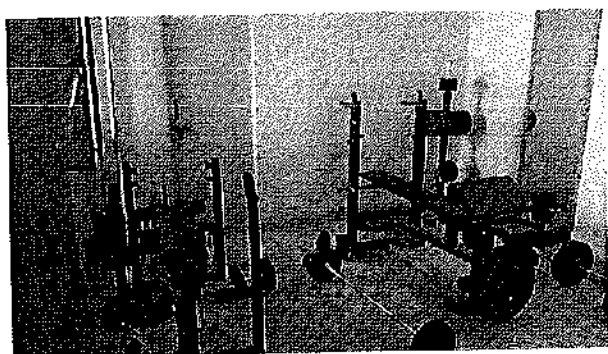
ST	02	02	04	04	00	04	02	00	02	02	00	02
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Total	48	04	52	42	00	42	21	00	21	21	00	21
3. Mechanical Engineering												
Open	27	02	29	27	01	28	13	00	13	-	-	-
OBC	16	00	16	19	00	19	09	00	09	-	-	-
SC	08	00	08	07	00	07	04	00	04	-	-	-
ST	04	00	04	03	00	03	02	00	02	-	-	-
Total	55	02	57	56	01	57	28	00	28	-	-	-
4. Electronics & Communication Engineering												
Open	22	05	27	11	08	19	06	00	06	10	01	11
OBC	12	02	14	06	02	08	07	01	08	07	01	08
SC	05	03	08	04	02	06	04	01	05	04	00	04
ST	05	00	05	01	01	02	01	00	01	01	00	01
Total	44	10	54	22	13	35	18	02	20	22	02	24
5. Computer Science & Engineering												
Open	20	06	26	24	01	25	10	03	13	10	0	10
OBC	17	01	18	08	02	10	05	00	05	07	01	08
SC	08	00	08	06	04	10	05	00	05	00	03	03
ST	04	00	04	04	00	04	01	00	01	03	00	03
Total	49	07	56	42	07	49	21	03	24	20	04	24

04.03 The Hostels

The Institute has seven hostels, with a capacity of more than seven hundred students, in its temporary campus at the premises of Government Polytechnic, Srinagar (Garhwal), Uttarakhand. Based on the principle of "Home away from home", hostel facility in the campus provides all basic necessities to the students. Each hostel is equipped with water purifiers, water coolers, geysers, telephones and other modern amenities. All hostels are fully Wi-Fi connected. Continuous power backup supply is maintained through DG set. CCTV cameras are installed in each hostel for necessary security and surveillance. Rooms are available on sharing basis (four/six seater) and a centralized mess facility is provided to the students residing in the campus. The hostellers are provided with chairs, tables, cots/bunk beds, iron racks, lockers, etc. The number of students' hostels with capacity is as follows:

Sr. No.	Name of Hostel	No. of Rooms	Current capacity of hostel
1	Hostel 1	22	90
2	Hostel 2	23	132
3	Hostel 3	24	144
4	Hostel 4	18	72
5	Hostel 5	36	216
6	Hostel 6	14	56
7	Hostel 7	14	84



The hostels are located at a close proximity to academic block and play grounds. Hence, along with academics, students can easily have access to sports activities. Various indoor/outdoor games facilities Carom, Chess, Table Tennis, Volleyball, Badminton, etc. A gymnasium is also available for the students to keep them physically fit.

All hostels are mentored by a team of a Chief Warden, Wardens, Associate Wardens and senior students (Prefects). Their main role is to coordinate the working of all the hostels, maintain discipline, and take decisions on all the policy matters related to the hostels.

The details of management authorities of the hostels are as follows:

Name of the Faculty	Designation
Dr. A.S. Dhundi	Chief Warden & Proctor
Dr. Renu B. Dangwal	Warden(Girls Hostel)
Dr. Kuldeep Sharma	Warden (Boys Hostel)
Mr. Prakash Dwivedi	Warden (Boys Hostel)
Dr. Ashwini Kumar Yadav	Associate Warden (Boys Hostel)
Dr. Pankaj Kandwal	Associate Warden (Boys Hostel)
Dr. Nitin Sharma	Associate Warden (Boys Hostel)
Dr. Dheerendra Bahadur Singh	Associate Warden (Boys Hostel)
Mrs. Mitali Halder	Associate Warden (Girls Hostel)
Mr. Amritansh Chandra	Superintendent (Hostel)
Mrs. Neha Raturi	Incharge Matron (Girls Hostel)

Being an Institute of National importance, students come from all parts of India and hence in the hostels, one can witness the celebration of almost all festivals across the country such as Durga Puja, Ganesh Utsav, Gokul Ashtami, Onam, Diwali, Lohri, Holi, Gudi Padwa, Id, Christmas, Independence Day, Republic Day, and so on. These festivals bring tremendous enthusiasm among the hostellers which creates a friendly bonding, team spirit, and provides for a great opportunity for network building.

04.04 Scholarships / Monetary Assistance

State-Wise Scholarships/Assistance:

Statement showing the details of various Scholarships & Stipends awarded during the year 2014-15:

S. N.	Name of the scholarship/stipends	No. of Awarded	Amount Received	Date of receiving the amount	Disbursed and Adjusted as T/F Amount
1.	Merit-Cum-Means	01	20,000/-	20/05/2014	20,000/-
2.	Electricity Dept., Bihar	01	20,000/-	01/08/2014	20,000/-
3.	Central Sector Scholarship (SC)	12 04 06	15,98,290/- 3,97,600/- 6,82,998/-	25/11/2014	15,98,290/- 3,97,600/- (Under Process)
4.	Chief Minister Relief Fund, Bihar	01	23,750/-	17/12/2014	23,250/-
5.	Central Sector Scholarship (ST)	05	13,90,500/- (Fresh & Renewal)	13/01/2015	12,98,000/-
		04	5,18,000/-	12/02/2015	5,14,000/-

04.05 Games and Sports

- The Institute participated in Inter NIT sports meet in Cricket, Table Tennis, and Volley Ball Tournament at NIT Kurukshetra during 28th -31st March, 2015.
- The Table Tennis team secured 2nd position in the pool and qualified for the Quarter Final.
- The Volley Ball Team won Silver Medal in the Competition
- The Institute participated in Open Basketball Tournament organized by SSB Srinagar between October, 29th to November 1st, 2014 and reached the Semi-final.
- The Institute initiated a new sports event, Mega Cricket League, modeled after the IPL. A total of 20 teams comprising of students and staff members participated in the tournament and the title was won by the B.Tech 3rd year students.



05.00 RESEARCH AND DEVELOPMENT ACTIVITIES

05.01 Ph. D. Programmes— Existing

The Institute started offering Ph.D. programs in all the disciplines since Spring 2014. Currently 5 students are pursuing their doctoral degree at NIT Uttarakhand. The names of the research scholars and their respective departments and guides are as follows:

Dept. of Mechanical Engineering:

Mr. Manoj Kumar Gupta

Supervisor: Dr. Pawan Kumar Rakesh, Assistant Professor and HoD.

Dept. of Sciences and Humanities: Discipline: Physics

Ms. Shivani Agarwal

Supervisor: Dr. Manvendra S. Khatri, Assistant Professor & HoD.

Ms. Deepshikha Painuly

Supervisor: Dr. Indrajit M. Nagpure, Assistant Professor.

Discipline: Mathematics

Mr. Sandeep Bisht

Supervisor: Dr. Kuldeep Sharma, Assistant Professor.

Discipline: English

Mr. Joe Philip

Supervisor: Dr. Renu B. Dangwal, Assistant Professor.

05.02 Sponsored Research and Industrial Consultancy (SRIC)

The Institute being at its nascent stage making efforts to reach the Industries in the region for consultancy projects. Guidelines, rules and regulations for sponsored research and industrial consultancy are under preparation.

06.00 ADMINISTRATIVE AND STATUTORY BODIES
AND OTHER COMMITTEES

06.01 Board of Governors:

Shri Bhaskar Bhat Managing Director Titan Industries, Bangalore	Chairman
Prof. H. T. Thorat Director, NIT Uttarakhand	Member
Prof. Pradipta Banerji Director, IIT Roorkee	Member
Prof. S. C. Lakkad Retd. Deputy Director, IIT Bombay	Member
Prof. Geetha Nambissan Professor in School of Social Science, JNU, New Delhi	Member
Shri Yogendra Tripathi Financial Advisor, Dept. of Higher Education (IFD), MHRD	Member
Dr. A.S.Dhundi Associate Professor, Teacher Representative NIT Uttarakhand	Member
Dr. Pawan Kumar Rakesh Assistant Professor, Dept. of Mechanical Engineering, NIT Uttarakhand	Member

06.02 Finance Committee:

Shri Bhaskar Bhat Managing Director Titan Industries, Bangalore	Chairman
Prof. H. T. Thorat Director, NIT Uttarakhand	Member
Prof. Pradipta Banerji Director, IIT Roorkee	Member
Prof. S. C. Lakkad Retd. Deputy Director, IIT Bombay	Member
Shri R. Srinivasan Director (TE), MHRD, New Delhi	Member

06.03 Building and Works Committee:

Prof. H. T. Thorat Director, NIT Uttarakhand	Chairman
Shri Navin Soi Director, Finance, MHRD, New Delhi	Member
Shri R. Srinivasan Director (TE), MHRD, New Delhi	Member
Dr. Vinay Pant Vice Chairman (Electrical), IIT Roorkee	Member
Prof. M. N. Viladkar HoD Civil Engineering, IIT Roorkee	Member

06.04 Senate

Prof. H. T. Thorat Director, NIT Uttarakhand	Chairman
Prof. T. C. Kandpal Professor, Center of Energy Studies, IIT Delhi	Member
Prof. Rashmi Gaur Professor HoD Humanities, IIT Roorkee	Member
Prof. R. B. Deshmukh Professor, Dept. of Electronics Engg, VNIT Nagpur	Member
Dr. A. S. Dhundi Asso. Professor, NIT Uttarakhand	Member

07.00 CONCESSIONS FOR SCs, STs AND PWD STUDENTS**07.01 Concession to Students**

Students belonging to specified categories are provided concession in payment of fees and receive scholarships as per the Government of India rules. Book bank for SC, ST student is operated in the Institute Library.

07.02 Concession to Staff

The reservation policy of Government of India is adapted for the staff of NIT Uttarakhand. Accordingly, concessions and benefits are made applicable to reserved categories viz SCs, STs and OBCs.

08.00 FINANCIAL STATUS**08.01 Analysis of Plan and Non-Plan Grants**

The Institute receive plan and non-plan Grants from the Government of India through Department of Higher Education, Ministry of HRD. The accounts are audited by CAG, annually.

08.02 Sources of Fund

Statement of Income and Expenditure for the last three years is appended below:

Years	2011-12	2012-13	2013-14
Opening Balance	3,10,19,497	38,15,399	4,98,28,518
Total Grant Received	0	13,60,00,000	37,00,00,000
Expenditure	2,72,04,098	9,07,75,060	34,83,74,075
Unspent	38,15,399	4,90,40,339	7,14,54,443

09.00 CENTRALISED FACILITIES AND SERVICES**09.01 Computer Centre**

The Institute has Computer Centre. It has worldwide connectivity through Internet. Computer Centre aims at providing required and updated information about the emerging trends and technologies. It consists of 25 High Configuration System of the following description:

S.No	Specification	Details
1.	Processor	3 rd generation Intel i5 3.10 GHz Processor
2.	RAM	4GB DDR3
3.	Hard Disk	1 TB
4.	Graphics Card	AMD Radeon HD 6450
5.	Connectivity	Both Ethernet & Wi-Fi
6.	Display	23" LED Display
7.	Operating System	Windows 8 & Ubuntu 12.10 dual boot System

The Computer Centre is available to all the staff and students from 08:00 am to 08:30 pm on all weekdays. The time is extended during examination days. The staff from Computer Science and Engineering Department is available for guiding the students, round the clock.

09.02 Workshop

The workshop in Mechanical Engineering department is also used as a central facility. The workshop comprises of the Fitting shop, Carpentry shop, Welding shop, Sheet Metal Shop, Machine shop and Foundry equipped with the facilities necessary for performing the job including practicals for students. The machine shop has conventional machine tools such as lathes, drilling machines, surface grinder machine, shaper machine, etc., and jobs of metal cutting such as turning, facing, drilling, threading etc. are given to the students for practice. The foundry shop has the facilities for molding and casting. Welding shop has arc welding, spot welding, and gas welding facilities.

09.03 Library

The library has a total collection of approx. 31,784 volumes (with 6000 titles). The Net cost of the books is Rs. 91.89 Lacs inclusive of 5,481 books during the year under the report. The details of library collection in 2014-15 are as under :-

Textbooks	:	707
Book Bank for SC/ST	:	4,774
Journals (National/International)	:	1,039

Expenditure during the Year:

Sl. No.	Description	Amount in Lakhs (₹)
1	Printed Books (excluding book bank)	8.26
2	Book Bank	20.27
3	E-Journals	50.67

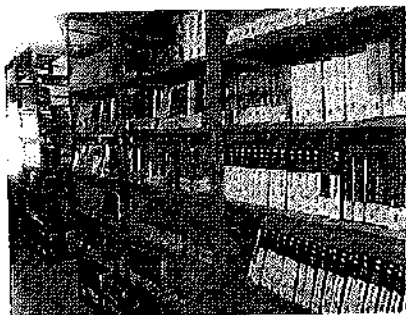
General:

- The library has a rich collection of books on Science and Technology, Engineering, Humanities and Social Sciences and also a good collection of English and Hindi Fiction.
- The library has four stack rooms with subject-wise arrangement of books on the shelves according to the Universal Decimal Classification Scheme.
- The library has one reading room which remains open 24x7 for the students and the staff members.
- The text books of the prescribed syllabus and other recommended books are kept in the Text Book Section along with separate reference collection for easy access to the users.
- The Library also has a collection of General reference books including Encyclopedias, Dictionaries, Directories, Handbooks, Bibliographies, and Atlases etc. and these are available for reference within the library premises and are not for lending.
- All in-house activities of the library like acquisition; cataloguing, circulation, etc. are fully computerized through LIBSYS Software (Library Management Software).
- The library subscribed 75 magazines (50 in English and 25 in Hindi) during the year on different subject areas like General awareness and Competitive, Science and Technology, Computer Sciences, Engineering, Sports and Health, Yearly GK magazines, Women awareness, Travel and Photography, etc.

- The library also subscribes 09 (5 Hindi and 4 English) newspapers including daily and weekly papers.

BOOK BANK SERVICES:

The Library provides Book Bank facility to the B.Tech. students. Under the Book Bank facility, the set of textbooks are issued to the individual student for entire semester (i.e. for six months). The students belonging to SC/ST category are exempted from the payment of Book Bank fees.



EMAIL ALERT:

The Library provides 'Email Alert Service' for Circulation (Issue/Return) and also various other activities of the library. The two Dot matrix printers are installed in library for printing the Circulation slips so as to keep the separate issue/return record of the users. The total number of books circulated to the users during this year is 30941.

RESOURCE SHARING:

The Institute has Resource sharing facility for the users of the library to access the E-journals through J-Gate NIT Consortia.

EXTENSION SERVICES:

The library offers extension services to the users for the maximum utilization of the library resources and services.

AUDIO-VISUAL:

A good collection of Educational videos (i.e. NPTEL video courses) is available for users on varied subjects and made accessible via FTP server of the Institute. Also, there is a collection of CDs/DVDs in the library covering various subject areas like academic, entertainment, Information Technology and Competitive exams etc.

ORIENTATION PROGRAMME TO FRESHERS:

The library orientation programme is conducted every year at the beginning of the session for the newly admitted students to familiarize them with the facilities and services available in the library for the effective and maximum use of the library resources.

INFORMATION TECHNOLOGY:

The library is connected to the campus with LAN and Wi-Fi facility. The library server works under Windows 7 environment. The Library uses LIBSYS software package which is an integrated multi-user library automation management system that supports all in-house activities of the library. The database of the entire library acquisition is being updated on regular basis along with details of recently acquired books. The details of all the Library patrons is maintained in the software along with their 'Image Database'. The barcoding of all library resources is in final stages. The library has shifted to WebOPAC facility this year under which all the bibliographic details of the library collection can be accessed from Internet 24x7 on all week days by the users.

DIGITAL LIBRARY:

The library has a campus LAN connectivity with fibre optic cable (10/100 mbps) through the Computer Department and is connected to Web Server (Duel Xeon)- providing network facility. There are around 26,457 titles of E-books procured by the library from various renowned publishers like Elsevier, Tata McGraw Hill, Wiley, Pearson, ASME Press, IEEE-MIT Press, IEEE-Wiley, Springer and ICE publishing on perpetual basis (i.e. lifetime) which can be accessed 24x7 by the users of the Institute.

The library subscribed various online journals during the year from renowned publishers on the basis of Annual Subscription model (Jan. to Dec.) of INDEST-AICTE Consortium set up by MHRD in 2003. The following databases were subscribed by the Institute for the access of electronic journals:

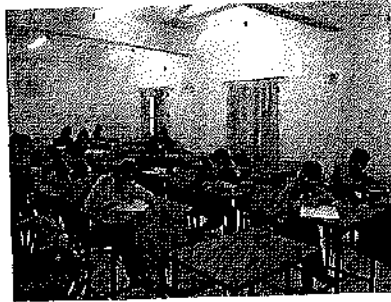
- ASME <http://asmedigitalcollection.asme.org>
- IEL Online (IEEE + IET) <http://ieeexplore.ieee.org>
- Elsevier's Science Direct www.sciencedirect.com

LIBRARY ADVISORY COMMITTEE:

There is library advisory committee which consists of the Chairman, all the HODs and Assistant Librarian as the member Secretary. The library committee meets from time to time to lay down the policies and to review the working conditions for smooth functioning of the library.

WORKING HOURS:

The library remains open on all days round the year except on holidays of National and Religious importance (i.e. Republic Day, Holi, Independence Day, Diwali and Dusshera). The library opens from 08:00 am to 08:00 pm (i.e. Monday-Sunday) with break of half an hour from 01:30 pm to 02:00 pm on all week days.



MEMBERSHIP:

The Membership of the Institute's Library is open to all the Students, Faculty members, Research Scholars, Officers and Technical/Non-Technical Supporting Staff of the Institute.

09.04 Laboratories**Department of Electrical and Electronics Engineering**

Elementary Electrical Engineering Lab
Control System Lab Measurement Lab
Switchgear and Protection Lab

Electrical Workshop Network Lab
Electrical Machines Lab
Electrical Drives Lab

Major Equipments:

- IDMT over current relay trainer
- Percentage biased differential relay with transformer protection trainer
- Under/over voltage relay trainer
- Bucholtz Relay trainer
- Transformer oil tester
- Transmission line fault analyzer
- Generator protection system trainer
- Distance relay trainer with directional unit
- Cable fault trainer
- Stability Analysis of Linear System
- Relay Control System
- RTD Demonstration Set up(ml)
- Thermocouple Demonstration Set up (using K type transducer)ml
- Torque measurement trainer kit-ML
- Strain Gauge trainer kit-ML
- Load cell trainer kit-ML
- Speed measurement trainer kit-ML
- BLDC Motor Control Drives-CS
- Stepper motor control-DL
- Inverted Pendulum-CS
- NI Instruments(NI PXI2503,NI PXI4330,NI PXI4071,NI PXIE8102, NI APS410, NI PS10, NI 9234, NI990, CDAQ9178)-DL
- MATLAB

Department of Electronics and Communication Engineering

Lab View Lab
 Electronics Lab
 Microprocessor Lab
 Digital Signal Processing Lab
 Digital Communication Lab
 Electronics Workshop

Analog Electronics Lab Digital
 Linear Integrated Circuit Lab
 Digital System Design Lab
 Analog Communication Lab
 Electronics Circuit Simulation Lab
 Microwave Lab

Major Equipments:

- 1) NI Academic Site license Labview Software-campus teaching License.(Unlimited Users).
- 2) Signal and System solution
 - (a) Elvis-II Signal & System.
 - (b) Emona Sigex Signal and System Experimenter NI Elvis.
 - (c) NIPXI -5441 100MS/S with AWG with onboard signal processing 256MB.
- 3) RF System Solution
 - (a) NI PXIe-5632 8.5 GHz Vector Network Analyzer.
 - (b) NI PXIe-8820 2.2GHz Celeron 1020E.
 - (c) NI PXIe-5632 8.5GHz , 2-port, W/Time Domain Analysis.
 - (d) NIPXIe-1085 ,18 slot 3U PXI Express Chassis.
 - (e) RF Signal Analyzer – (Upto 20 GHz), (20GHz USB Signal Generator AM/FM)
 - (f) RF Signal Analyzer (Upto 26.5 GHz)
 - (g) Phase Matrix (26.5 GHz Vector Signal Analyzer)
- 4) Wireless Communication Solution
 - (a) NI USRP-2932 400 MHz to 4.4 GHz, GPS Clock Software Radio Kit, Toolkit.
 - (b) 144MHz,400 MHz and 1200 MHz Tri Band (7 inch) Vertical Antenna
 - (c) Dual Band 2.4-2.48 GHz & 4.9-5.9 GHz Vertical Antenna
 - (d) USRP MIMO Sync and Data Cable, 0.5M
- 5) RF/Wireless Measurement lab
 - (a) NIPXI Chasis Controller & RF Modules (RF VSA, RF VSG)
 - (b) NI WLAB Measurement suit for Labview. c) NI Measurement suite for fixed WiMax.
 - (c) Set of Antennas, Coaxial Cable and Mounting Accessories.
- 6) DSP Application
 - (a) NI Speedy 33 DSP target chip.
 - (b) TMS320C6713 DSKs.
- 7) Image Processing Solution (Embedded Vision System Solution)
 - (a) NI EVS 1464 (Windows) Vision system with Windows7, GigE Vision, IEEE1394b
- 8) Real Time Data Acquisition
 - NI my DAQ (Data Acquisition Cards).

Some of the distinguished equipments available in the laboratories in the Department of ECE are as follows:

- Terasic Altera DEII Development Platform
- 1 GHz Spectrum Analyzer with Trace Generator
- 200 MHz Four Channel Digital Storage Oscilloscope with Colour Display
- 100 MHz Cathode Ray Oscilloscope
- 30 MHz Cathode Ray Oscilloscope
- 10 MHz Function Generator with 40 MHz Frequency Counter
- 10 MHz General Purpose Function Generator
- 5 MHz General Purpose Function Generator
- 3 ¼ Digit Type Digital Multi meter
- 4/8 – bit Analog to Digital Convertor
- 4/8 – bit Digital to Analog Convertor
- Digital System Design Kit
- 4 Bit Counter
- 4 Bit Shift Register
- Digital Circuit Trainer Kit
- XPO 8086 Kit with accessories
- XPO 8085/8088 Kit with accessories
- XPO 8051/8031 Kit with accessories
- 8253,8259,8279,8251,8255 Peripheral Devices
- 32 bit DSP Design Platform with Peripherals
- MATLAB and Simulink-R2013a
- DC milli ammeter(0-100 mA)
- Moving Coil DC milli ammeter(0-1 mA)
- MASTECH MAS-830L Multimeter (3 ½ Digit)
- Digital IC Tester
- Digital Circuits Development Platform(Model ST2614)
- Caddo62 Digital Multimeter (5 ½ Digit)

Department of Mechanical

Fluid Mechanics Lab
Applied Thermodynamics Lab
Machine Shop
Solid Mechanics Lab
Welding and Forming Lab
Mechanical Workshop

Fluid Machine Lab
Heat Transfer Lab
Theory of Machine Lab
CAD Laboratory Casting
Engineering Mechanics Lab

Major Equipment:

- Bernoulli's apparatus.
- Losses in Pipe
- Flow measurement in venturimeter, orifice meter, nozzle and rotameter
- Orifice and mouth pieces
- Impact of jet
- Vortice flow measurement
- Coriolis force measurement
- Metacentric height setup
- V- notch measurement
- Reynolds experimental setup
- Pelton wheel setup
- Francis turbine setup
- Kaplan turbine setup
- Centrifugal pump setup
- Reciprocating pump setup
- Gear oil pump setup
- Four stroke diesel engine test rig
- Two stroke petrol engine test rig
- Four stroke diesel engine regenerative unit
- Two stage compressor rig
- Single stage compressor rig
- Four stroke engine valve timing setup

- Stefan boltzman setup
- ARC Welding Machine

- Spot Welding Machine
- Gas Welding Machine

- Pin fin apparatus
- Forced circulation through pipe
- Conduction through metal rod

- Lagged pipe setup
- Boiling curve study setup
- Cooling tower setup
- Tubular heat exchanger setup
- Refrigeration test rig
- Air conditioner test rig
- Air duct test rig
- Lathe Machine
- Milling Machine
- Wood Turning machine
- Shaper Machine
- Surface Grinder
- Drilling Machine
- Universal Testing Machine
- Impact Testing Machine
- Brienell Harness Testing Machine
- Compound Pendulum setup
- Tri-pillar setup
- Static and Dynamic Balancing set up
- Governor setup
- Gyroscope setup

- Hydraulic Punching Machine
- Fly Press

Department of Civil Engineering

- Geology Lab
- Material Testing Lab
- Geotechnical Lab

- Survey Lab
- Engineering Mechanics Lab

Major Equipment

- Hardness Test
- Streak Test
- Crushing value apparatus

- Pentagrap
- Clinometer
- Hydrometer

- Auto Limit
- Theodolite
- Compass

- Shrinkage limit apparatus
- Electric oven
- Liquid & Plastic Limit

Department of Computer Science and Engineering

- MATLAB
- C & C++ Lab
- Data Structure Lab

- Oracle 11g Lab
- Java Lab
- Linux Lab

09.05 Hospital

The Institute has a dispensary with a visiting doctor from Government hospital. The visiting hours of Doctor is from 6:30 pm to 7:30 pm. Due care is being taken of the health of the students particularly residing in hostels. The Institute vehicle is available for 24hrs and the students can use this facility to visit the district hospital in case of emergency.

09.06 Physical Facilities

The temporary campus of the Institute is equipped with an ATM of State Bank of India. For the convenience of students and staff members. The campus also has an auditorium and Canteen.

09.07 Games and Sports facilities

The temporary campus boasts of a volleyball and badminton court and also has indoor games facilities such as table-tennis, carom, chess, etc. The Institute engages qualified trainers for training students in various outdoor and indoor games like Cricket, Football, Basketball, Volleyball, Table tennis, Chess, etc. The Institute also has rafts and engages experts for rafting activities in the river Alaknanda for students and staff. This can be termed as unique feature of the Institute. Additionally, students go to Auli for skiing.



09.08 Other facilities like Hostels, Messes, Staff Quarters and Administration

The Institute has four hostel blocks for boys with a capacity of 476 and one separate block of capacity of 90 for the girls. Three hostel blocks are six seater while remaining two are of four seater. One independent mess cater the needs of food to all the hostel inmates. The Institute also hired one faculty house, approx. 1 km from the Institute, for its employees. The staff hostel has 30 rooms and has good occupancy. Situated in the

laps of Shivalik range, the staff hostel provides all required facilities such as water purifiers, water coolers, Geysers and security arrangements.

10.00 NOTABLE ACHIEVEMENTS

It was a matter of immense pride and honour when Nishant Singh, final year engineering student from NIT Uttarakhand was selected to represent the institute and India as a Youth Delegate to China. The Youth Delegation is a part of a series of exchanges between India and China under the 2014: India-China Year of Friendly Exchanges initiative.

The 100 member youth delegation comprised of students and youth leaders from diverse fields like engineering, sciences, medicine, law, management, performing arts, East Asian studies, photography, anthropology, neuro-economics etc. The delegation was led by the honourable Secretary Shree Rajeev Gupta and Joint Secretary Shree Lalit Gupta. The delegation visited and stayed in Beijing, Shandong and Shanghai during their week-long visit to China to explore and understand the historical, cultural, technological and economic aspects of China. Some of the most prominent places of visit included the Great Wall of China, the Indian Embassy in Beijing, Temple of Confucius in Qufu, Spouting Springs and Daming Lake in Chaoran Tower in Shandong, Shandong Software Park, Inspur Group, Agro-Hi Tech Zone, Youth Palace and Youth Business Centre of Jinan, Shandong Provincial Museum of Arts, Shandong University, Quyang Community Centre in Shanghai, Shanghai Urban History Museum and Oriental Pearl TV Tower.

The youth delegates also got an opportunity to interact with the Chinese youth in Shandong University and got a hands-on experience with Chinese customs and traditions like Tea making, Calligraphy, Martial Arts, Music and Dance forms etc. They also got an opportunity to discuss national issues pertaining to both the countries with officials from both the nations. The trip was an immense eye opener and a rewarding experience for the Indian youth as they got a great opportunity to explore and understand their neighbouring superpower and closely observe and assess the similarities and differences between the two nations.



11.00 ACTIVITIES OF TECHNICAL ASSOCIATIONS AND

STUDENT HOBBY CLUB

NIT Uttarakhand offers ample opportunities to the students to engage in curricular activities. The Institute publishes its monthly newsletter "Technosavvy" and nurtures writing skills and creativity of students through its wall magazine "Think Tank." The Institute has employed qualified coaches and trainers for training students in various outdoor and indoor games like Cricket, Football, Basketball, Volleyball, Table tennis, Chess, etc. In the academic year 2013-2014, the students of the Institute attended various games and sports events.

Music Club

The Music Club of the Institute is formulated with the aim of showcasing and identifying the musical talents of students. The music club is equipped with all the musical instruments and provides a grooming platform for the music enthusiasts under the tutelage of trained and reputed musicians. The club regularly arranges for inter and intra collegiate events.

Movie Club

During the year, the Institute received necessary approvals for the initiation of Movie Club and the Club started functioning from August, 2014. The Club aims not only at providing entertainment and recreation, but also focuses on generating social consciousness among students. It strives to make students aware of the current social problems and impress upon them the idea that education cannot be limited within the confines of classroom. Contextually, it attempts to make students global citizens by acquainting them to alien cultures and practices, and by unmasking the commonality amongst their differences. The Movie Club screens classic, award-winning movies and documentaries in English, Hindi, and other regional languages and such movies are handpicked by a Committee, comprising of students, staff, and faculty members of the institute. In addition to the entertainment side, the club encourages creative thinking among students by promoting activities like short-documentary making, conducting workshops regarding film making, and use of various photography techniques, composing film critiques, etc. Further, the club grooms and nurtures English-speaking confidence among the students, develops English communication skills and familiarize them to proper pronunciation and grammar by screening English movies.

Being of the unique remote location, Movie Club at NIT Uttarakhand screens 2 movies every week at its Auditorium for the staff and students. The auditorium has a seating capacity of around 125 people and is equipped with fire safety devices, 5000 lux projector, 3 speakers, 3 amplifiers, sound mixer, 8 surround sound speakers, and DSP processor. The movie club caters not only to the students but also to staff and faculty members of the Institute.

Literactivity Club

Students of NIT Uttarakhand jointly made efforts to establish the literary club – LITERACTIVITY. The club envisages to provide a platform to the hidden talents of students and to encourage and appreciate their ideas through various inter and intra- NIT competitions. The club also welcomes and accepts entries in miscellaneous activities like free hand drawing, art and craft, netiquette etc.

AUDIT REPORT WITH ANNUAL ACCOUNT 2013-14

BoG 07.07 Approval regarding constitution of Grievance cell

In order to address the Grievances of the employees, it is proposed to constitute a Grievance Cell as under:

1. Senior faculty member (to be nominated by the Director) - Chairman
2. Officer dealing with administration - Secretary
3. Liaison Officer SC/ST and OBC - Member
4. Representative of Group 'C' employees - Member
5. One female member preferably from faculty - Member
6. One member not below the rank of Assistant Registrar to be co-opted from any other Government organization. - Member

The term of all the above members will be of two years. The Director of the Institute shall take appropriate action on recommendations of the Grievance Cell.

Board is requested to approve the constitution of Grievance Cell.

BoG 07.08 Approval regarding constitution of Women Cell

In order to address the issue of the women employees, it is proposed to constitute a Women Cell as under:

1. Senior women faculty member (to be nominated by the Director) - Chairperson
2. Women Officer not below the level of Assistant Registrar - Secretary
3. NGO Representative - Member
4. Representative of Group 'C' employees - Member
5. One male member preferably from faculty - Member
6. One member not below the rank of Assistant Registrar to be co-opted from any other Government organization. - Member

The term of all the above members will be of two years. The Cell shall submit its report to the Director for further appropriate action.

Board is requested to approve the constitution of Women Cell.

BoG 07.09 Approval regarding appointment of teachers on contract on the basis of student faculty ratio.

The Institute has received sanction of 50 teaching posts till the academic year 2013-14. The intake of the students is ever increasing and during the year 2015, 230 additional students are likely to be enrolled. The student's strength of the Institute is at present 676. On the basis of approved norms of student's-faculty ratio of 12:1 the total required strength of the faculty in Academic Year 2015-16 shall be 75. The Institute therefore, requires additional posts of faculty for effective functioning.

Board is requested to approve as a policy to appoint of teachers on adhoc basis (against actual student faculty ratio) till the regular sanction is received from MHRD and posts are filled up.

BoG 07.10 Approval regarding regularization of services of Assistant Professor on Contract on completion of PhD.

Institute has appointed M.Tech. qualified teachers as Assistant Professor (on Contract) after due selection procedure. These teachers are appointed in Three -Tier Structure and Four Tier Flexible Structure. There is no issue regarding teachers appointed in Four-Tier flexible structure. However, as Three-Tier structure does not exist now, directives of the Board are sought, whether Assistant Professor (on Contract) in Three-Tier shall be considered for regularization as per process for Three-Tier Structure or for Four-Tier Structure.

The proposed regularization procedures are detailed in **Annexure BoG 07.05** alongwith relevant RR. It is further added that the Recruitment Rules stipulate that any change in Pay or Grade Pay shall be on the recommendation of duly constituted Selection Committee and hence the concerned faculty member is required to appear before duly constituted Selection Committee.

The Board is requested to consider the regularization procedures for approval and give directions for the procedure to be adopted for Three-Tier faculty members. Applications for regularization of Dr. A K Yadav and Dr. A Mondal shall be processed accordingly.

Procedure for Regularization

Three Tire Structure (M.Tech. Qualified)

1. On completion of PhD, Selection Committee (as per NIT Act) in personal interview shall consider the application of Assistant Professor (on Contract) for regularization.
2. If found suitable for continuation, on approval of the BoG, the applicant faculty shall be placed in AGP of Rs.7000/- in a regular scale on probation of one Year from the date of award of Degree. In other case, the applicant faculty will be relieved from services of NITUK.
3. The applicant faculty shall be regularized in Three-Tier structure on successful completion of One Year probation.

Four-Tire Flexible Structure (M.Tech. Qualified / Trainee Teachers)

1. On completion of PhD, Selection Committee (as per NIT Act) in personal interview shall consider the application of Assistant Professor (on Contract) for regularization.
2. If found suitable for continuation, on approval of the BoG, the applicant faculty shall be placed in AGP of Rs.6000/- on contract of three years for want of experience of three years after PhD from the date of award of Degree. In other case, the applicant faculty will be relieved from services of NITUK.
3. On completion of one year of service after award of PhD the applicant faculty shall again appear before duly constituted Selection Committee and if found suitable for continuation, on approval of the BoG, the applicant shall be placed in AGP of Rs.7000/- within the same contract from the date of completion of one Year of Service.
4. On completion of three year of service after PhD, the applicant faculty shall again appear before duly constituted Selection Committee
5. If found suitable for continuation, on approval of the BoG, the applicant faculty shall be placed in AGP of Rs.8000/- in a regular scale on probation of one Year from the date of award of Degree. In other case, the applicant faculty will be relieved from services of NITUK.
6. The applicant shall be regularized in Four-Tier structure on successful completion of One Year probation.

Four-Tire Flexible Structure (PhD Qualified)

1. On completion of one year of service after award of PhD the applicant faculty shall again appear before duly constituted Selection Committee and if found suitable for continuation, on approval of the BoG, the applicant faculty shall be placed in AGP of Rs.7000/- within the same contract from the date of completion of one Year of Service.
2. On completion of three years of service in the Institute the applicant faculty shall again appear before duly constituted Selection Committee.
3. If found suitable for continuation, on approval of the BoG, the applicant faculty shall be placed in AGP of Rs.8000/- in a regular scale on probation of one Year from the date of completion of three years of service in the Institute. In other case the applicant faculty will be relieved from services of NITUK.
4. The applicant shall be regularized in Four-Tier structure on successful completion of one year probation.

F.No.33 – 9 / 2011 – TS.III
Government of India
Ministry of Human Resource Development
Department of Higher Education
NITs Division
* * * * *

Shastri Bhawan, New Delhi,
dated, the 15th January, 2014

To

The Directors of the 30 NITs.

Subject:- Implementation of 4 – tier flexible faculty structure in the National Institutes of Technology (NITs) – regarding.

Sir / Madam.

I am directed to refer to this Ministry's letter of even number dated 23rd August, 2013 and 12th December, 2013 on the subject cited above.

2. The meeting of the Committee constituted to devise norms for implementation of the four-tier flexible cadre (faculty) structure for both the new and the existing faculty in NITs, IITs and ISM-Dhanbad was held under the Chairmanship of Additional Secretary (TE) on 16th December, 2013 (Monday) at Ministry of Human Resource Development, Shastri Bhawan, New Delhi.

3. The Committee in its aforesaid meeting resolved the following:-

- (i) That there would be no automatic migration to the salaries and AGP's of the four-tier flexible faculty structure;
- (ii) Any change of the Grade Pay under Four-Tier will be purely through open advertisements and on the recommendation of duly constituted Selection Committees;
- (iii) Those who do not fulfill the essential qualifications, relevant experiences and other essential requirements as in Annexure – I [pages 3 to 4], however, will continue in the present grade;
- (iv) As an eligibility criteria for the post of Professor, the requirement of minimum four year's experience at the level of Associate Professor shall mean that of Associate professor under the Four-Tier System i.e. at the AGP of ₹9,500/- . Associate Professors of three tier system with Academic Grade Pay of ₹9,000/- shall also be eligible but with seven year's experience, if they meet the relevant academic requirements for the post.


....contd./-

86

F.No.33 - 9 / 2011 - TS.III

- (v) Professors with ₹10,500/- AGP will only be considered for HAG Scale in accordance with Ministry's letter dated 22nd March, 2013 and the concerned Professor has to have 6 (six) years of service in AGP of ₹10,000/- or higher; and
- (vi) The academic criteria as approved by the Council of NITs [Annexure - I] has to be used in conjunction with the Ministry's letter F.No.33-9/2011 TS.III dated 23rd August, 2013 [Annexure - II (pages 5 to 7)] for selection under four-tier flexible pay structure.
4. The Recruitment Rules and other guidelines to be adopted by the Board of Governors (BOGs) are attached at Annexure - III [pages 8 to 22].
5. The NITs are advised to strictly adhere the aforesaid instructions for both the new and the existing faculty in NITs.
6. This issues with the approval of the competent authority in the Ministry.

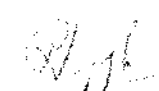
Yours faithfully,


[Rajesh Singh]
Director (NITs)

Encl.: as above.

Copy to:-

1. The Chairpersons, Board of Governors of National Institutes of Technology (NITs) for information and further necessary action.
2. Guard File.


[Rajesh Singh]
Director (NITs)
Tel: 23073687

ANNEXURE - I

**Prescribed Minimum Qualification and Experience for
Faculty positions of NATIONAL INSTITUTES OF TECHNOLOGY**

(Under four tier flexible faculty structure)

Designation, Pay Band and Academic Grade pay.	Essential Qualification	Relevant Experience	Other essential requirements	Additional Desirable requirements
Assistant Professor (On contract) PB - 3 with Grade Pay of ₹5000/- + 07 additional non-compounded increments.	Ph. D.	None	None	One publication in an SCI Journal.
Assistant Professor (On contract) PB - 3 with Grade Pay of ₹5000/-	Ph. D.	01 year	One paper accepted for publication in SCI Journal.	Two papers in SCI Journals or one patent; may be based on Ph.D work.
Assistant Professor PB - 3 with Grade Pay of ₹6000/-	Ph. D.	03 years after Ph.D. or 06 years total (not counting Ph.D. enrolment period) after obtaining M. Tech. degree.	02 papers in SCI journals outside Ph.D. work. One ongoing sponsored project for candidates from academia. Two experiments or computational projects added to teaching laboratories where appropriate.	One Ph.D. supervision ongoing; 01 Patent. Experience in industry or R&D lab of repute; M.Tech., M.Sc. or B.Tech. project supervision on live industrial problems.
Associate Professor PB - 4 with Grade Pay of ₹9500/-	Ph. D.	06 yrs after Ph.D. or 09 years total (not counting Ph.D. enrolment period) out of which 03 years should be after Ph.D. Three years at the level of Assistant Professor with AGP of ₹8000/- or	04 papers in SCI journals after Ph.D.; One Ph.D. guided as sole or principal supervisor plus one continuing. Two projects ongoing or one ongoing plus one completed. Two experiments or computational projects added to teaching laboratories where appropriate. Academic outreach activity equivalent to two self financed short term courses.	01 or more patents; Supervising two or more students for Ph.D.; Strong liaison with industry; Offering courses through application of ICT.

Designation, Pay Band and Academic Grade pay	Essential Qualification	Relevant Experience	Other essential requirements	Additional Desirable requirements
Professor PB - 4 with Grade Pay of ₹10,500/-	Ph. D.	10 years after Ph.D. or 13 years total [not counting Ph.D. enrolment period] out of which 07 years are to be after Ph.D.; At least three years to be at Associate Professor level in an institution of repute.	Two Ph.D. degrees guided in Career as sole or principal supervisor. The following during the past 04 years: (i) 03 papers in SCI journals; (ii) One High value sponsored or consultancy project; (iii) Academic outreach activity equivalent to two self-financed courses offered as coordinator and main teacher; (iv) Two experiments or computational design projects with added to teaching laboratories where appropriate.	One or more Patents; Supervised more than three students for Ph.D.; Preparing E-Learning material. At least one self-financed short-term course offered every year. Strong liaison with industry. Offering significant support to institute management; High value sponsored or consultancy projects.
Professor HAG Scale ₹67,000 - ₹79,000/-	Ph. D.	Six years as Professor with AGP of ₹10,000/- or ₹10,500/- in an institute of national importance.	04 Ph.D's guided as sole or principal supervisor plus at least one full time resident student continuing. The following during the past six years (i) 04 papers in SCI journals; (ii) 02 high value sponsored or consultancy projects plus one ongoing; (iii) Academic outreach activity equivalent to 03 self-financed short-term courses offered as coordinator and main teacher; (iv) Three experiments or computational projects added to teaching laboratories (v) Significant contribution to institute management through personal initiative in responsible positions.	Truly significant contribution in one area - publications, writing of text books or reference books, sponsored projects, consultancy and support to industry, E-learning packages, creative contribution to institute's welfare.

SCHEDULE

Recruitment Rules (RRs) for the Post of Assistant Professor, Associate Professor and Professor of NITs.

1. **Name of Posts** :
Assistant Professor / Associate Professor / Professor of NITs.
2. **Number of Posts** :
As per norms fixed by the Govt. of India
3. **Classification** :
Group – A (Pay Bands PB – 3 and PB – 4)
4. **Whether Selection post or non-Selection post:**
By Direct Recruitment
5. **Age limit for Direct Recruitment** :
Fresh appointment beyond the age of 60 years is discouraged except in the case of faculty with exceptionally brilliant research career and with ongoing or approved externally funded research projects.
6. **Educational and other Qualification required for Direct Recruits** :
The essential qualifications, relevant experience and other essential qualifications have been given in Annexure – I (page 3 to 4).
7. **Whether age and educational qualifications prescribed for Direct Recruits will also apply in Case of promotees** :
There shall be no distinction between external and internal candidates with regard to the requirements of qualification and experience.
8. **Period of probation, if any** :
One year. It may be extended by the respective BoG, on recommendation of the Director.
9. **Method of Recruitment:**
Direct Recruitment.

10. In case of recruitment by promotion / deputation / absorption, grades on which promotion / deputation / absorption to be made applicable :

Not applicable.

11. Basic principles of Faculty recruitment:

- a) A Ph.D. degree shall be the minimum qualification for a regular faculty position in NIT.
- b) All recruitment and pay-fixation shall be done by the BoGs of the Institutes only on the recommendations of duly constituted Selection Committees. There shall be no scope of fixing of altering pay (pay in pay-band or grade pay) outside the Selection Committee. The Selection Committee shall be the only entity empowered to consider the past services and qualifications of a candidate.
- c) Recommendations of the Selection Committee will be arrived at by discussions within the Committee. Contents of such discussions and details of transactions within the Committee will not form a part of permanent records or minutes.

12. Distribution of posts among departments / centres and designations:

While there is no rigid formula for distribution of sanctioned posts among the departments and centres within an Institute, pages at 19 and 20 gives a recipe for distributing sanctioned faculty posts among various departments of an Institute. But the BOG, on the recommendation of the director, shall dynamically allocate sanctioned faculty positions among the departments taking into consideration academic programmes of various departments, existing quality of faculty, expected retirements and availability of bright candidates.

There will be four designations – Professor, Associate Professor and Assistant Professor and Assistant Professor (Contract).

13. Qualifications and Experience:

Qualifications and experience required for various posts as well as the selection procedure are listed at pages 3 to 4 and pages 14 to 17, respectively.

14. Faculty from industry without Ph.D. degree:

There shall be necessary provision for inducting faculty from industry (or comparable organisations) with substantial professional and R&D

experience, but not having a Ph.D. degree. If in the opinion of the Selection Committee, candidates have good number (say 10) of publications in leading journals of the field, the requirement of Ph.D. degree may be waived.

15. Policy on avoiding in-breeding:

Most leading universities of the world, including the best Institutes of India have an explicit or implicit policy of not inducting their own students into the faculty. To avoid such in-breeding, the NITs will follow the following policies:

- a) Candidates who have obtained or are expected to obtain their most recent degree (Ph.D.) from the Institute will normally not be considered for recruitment, except where there is a 3 years' gap (approximately) between leaving the Institute and the expected date of joining.
- b) This is not applicable to candidates who are already members of the faculty, either regular or on contract, and are pursuing a higher degree in the Institute.
- c) In special cases, where the department (at the time of short-listing) or the Selection Committee feels that an exception needs to be made (for reasons such as severe shortage of faculty in a given academic field or exceptionally brilliant candidate or any other), the reasons for such exceptions are to be recorded in writing and put up to the Board of Governors for approval. The Board, if convinced, may confirm the selection. Such appointments will not serve as precedence.

16. Multiple attempts:

In order to keep the number of candidates interviewed within practical limits, Scrutiny Committee may, if it deems fit, reject a candidate on his third or further attempt, if the candidate has failed to win the same post in two previous attempts, (either in scrutiny or selection stage), even if he meets the short-listing criteria, except when there is significant new achievement justifying an exception.

17. Functioning of the Selection Committees:

While the Scrutiny Committee and Selection Committee will use all information available to them and be as quantitative as possible, their recommendations will reflect a collective decision based on accumulated professional experience which is often not possible to quantify. Committees will not be obliged to record the details of their individual reasoning process.

18. **Auxiliary Faculty Positions:**

Norms for appointment of adjunct, honorary, chair, emeritus, contractual, visiting, ad hoc and temporary faculty are given at pages 21 to 23.

19. **Seniority of Faculty:**

Personal prospects as well as responsibilities assigned by the Administration in an Institute of higher learning should be decided on academic merit, scholastic contribution and performance, rather than by service seniority.

20. **Maintaining National character of NITs:**

As decided by the Council of the National Institutes of Technology (NITs), the Institute shall strive to recruit 50% faculty not domicile of that State in which the Institute is located.

21. **Miscellaneous:**

A copy of these regulations including the academic criteria specified for various posts and selection procedure in **Annexure – I to III** will be made available to every member of the Selection Committee before start of interviews.

*_*_*_*_*_*

BoG 07.11 To consider resignation of Dr. Deepak Kumar Bahera and policy for granting lien.

Dr. Deepak Kumar Bahera had joined NIT Uttarakhand services as Assistant Professor in the Department of Science and Humanities in August 2013. He applied for the post of Assistant Professor in NIT Patna through proper channel, got selected and joined NIT Patna in December 2014 after tendering technical resignation at NIT Uttarakhand and also applied for lien. Due to paucity of time he was relieved from the services of NIT Uttarakhand in anticipation of the approval of the Board. Relevant documents are enclosed as **Annexure BoG 07.06**

It is submitted that the lien period is generally of two years. This being very upcoming Institute, starves for adequate strength of faculty to run the courses. It is therefore, proposed to retain the faculty at least for a period of 3 years, to be eligible for applying for lien. The application of Dr. D.K. Bahera shall therefore be considered on same line. And his technical resignation be accepted.

Board is request to approve the above proposal.

National Institute of Technology, Uttarakhand

Date: 25/09/2014

To
The Director
NIT Uttarakhand

Received Letter No. 2705
Dated 25/9/14 through R.H. Sign. [Signature]

Subject: Resignation from the post of Assistant Professor

Through Proper Channel

Sir,

It has been my pleasure working in this esteemed institution from 01.08.2014 and I am pleased to inform you that I have been selected for the post of Assistant Professor (on contract) in four-tier flexible structure in NIT Patna.

I, hereby, tender my resignation from the post of Assistant Professor with lien to join in NIT Patna as an Assistant Professor (Contract).

You may kindly accept my resignation with availing the facility of lien from my current position and leave me on 18.10.2014 (A.N) after adjusting my leave available in my account.

I shall be highly obliged for the same.

Thank you.

Yours faithfully

[Signature]

(Dr. Deepak Kumar Behera)
Assistant Professor
Dept. of Sciences & Humanities

Encl: Copy of NIT Patna offer letter

forwarded
Amikheya
(Incharge HOD)

To. The Director

[Signature]
26/9

राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड
NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

112

Ref No: 511/14/178, dt 9-10-14

Date: 09/10/2014

To
The Director
NIT Uttarakhand

National Institute of Technology, Uttarakhand
Received Application No. 2813
Date: 09/10/14 BH. Sign: [Signature]

Subject: Availing lien period to join NIT Patna

Through Proper Channel

Sir,

I, Dr. Deepak Kumar Behera, Assistant Professor in Humanities, had applied for the post of Assistant Professor at National Institute of Technology, Patna through proper channel. I am happy to inform you that I have been selected for the post of Assistant Professor (on contract) in four-tier flexible structure in NIT Patna. I have already applied to your honor vide my application dated 25.09.2014 to relieve me to join NIT Patna.

I further request you to grant me a lien to join NIT Patna as an Assistant Professor. In case institute authority is unable to grant me a lien for a permissible period, my letter dated 25.09.2014 may please be consider as a notice for resignation.

I hope that you will do the needful for grant of lien and oblige.

Thanking you in anticipation.

Yours faithfully

forwarded
MSB
09/10/2014

[Signature]
(Dr. Deepak Kumar Behera)
Assistant Professor
Dept. of Sciences & Humanities

Encl:

1. Copy of NIT Patna offer letter
2. Copy of NITACT, 2012 and Statutes (Page no. 22-23)

To be placed before board.
msb
17/10

To: The Director
K
9/10

AR (Acta)

BoG 07.12 Regularization of claims for travel charges.

- a. Dr. Anirban Mukherjee, Assistant Professor Department of Science and Humanities and Mr. Vineet P.Chandran, Assistant Professor Department of Electrical Engineering have availed the LTC but booked their tickets through 'Make My Trip'.
- b. Dr. A.K. Chaubey, Assistant Professor, Department of Science and Humanities has submitted a ticket which is for Air India but through 'Make My Trip' for attending International conference.

Though the claims are not as per the existing rules, which envisage that air tickets shall be purchased directly from Air India booking counters or authorised agents, the claimants may be permitted the reimbursement without facilitation charges to the private agency.

Since these financial implications are out of the powers of the Director, the Board is requested to approve the above proposal as a special case.

BoG 07.13 Regarding vacation leave of the faculties.

As per CCS leave rules Vacation Leave is not admissible during first year of service and Vacation Leave is calculated on the basis of Academic Year.

However there are no clear instructions regarding Earned Leave or the Vacation Leave during the period between the end of the first year of service and beginning of immediate next Academic Year.

Following method of calculations based on the CCS rules is proposed:

1. During first Year of Service 30 Days of Earned Leave in lieu of 60 days of Vacation shall be admissible on pro rata basis (2.5 days accumulated at the end of every month) for convenience of teaching staff.
2. Academic Year starting after completion of one Year of service shall be admissible for availing 60 days of Vacation. Academic Year starts on the day of Enrolment of Autumn Semester.
3. During the period between completion of one year of service and beginning of new Academic Year, teaching staff shall be entitled to Vacation Leave in proportion of 5 days per calendar month and 1 day for every 6 days of balance days. Fractional leave of 0.5 days and above shall be rounded off to 1.0 and fractional leave below 0.5 shall be rounded off to zero.

The Board is requested to approve the above proposed basis of calculation of leave and permit to re-calculate leave as per above method. Leave granted in excess, if any, will be adjusted from the leave to be earned in future.

BoG 07.14 To approve the Special Casual Leave for PhD work.

Majority of Assistant Professors (on Contract) in Engineering Departments and all Trainee Teachers are perusing PhD in Part-Time mode. They can visit the Institutes of their study during the vacation. Quality and pace of their PhD work suffers due to such visits after long gaps. To overcome this serious issue, it is proposed that Special Casual Leave of 5 days per month during non-vacation period be admissible to such members of faculty for the purpose of their PhD work subject to the condition that they spend at least 45 days of vacation at the Institute of study.

If such permission is granted, the Department shall share the teaching and other assignments and expenses for such visits shall be permissible through CPDA of concerned faculty member.

The Board is requested to approve the proposal.

BoG 07.15 To approve the policy for recovery of amount in case of unsatisfactory performance of members of faculty deputed to pursue Ph.D.

Institute deutes members of faculty for course work to pursue PhD. Such deputed teachers furnish a bond of ₹4.00 lakh amounting to approximately 6 months's salary. However many teachers are spending much lesser time during deputation and actual expenses made are less than ₹ 4.00 Lakh. Under the circumstances it is proposed that only actual amount spent by the Institute shall be recovered from such a member of faculty if need of recovery arises.

The Board is requested to approve the proposal.

BoG 07.16 Academic review as recommended by NIT Review Committee

The NIT Council has accepted the report of NIT Review Committee under the Chairmanship of Dr Anil Kakodkar. The report expects an extensive academic review from external agency conducted periodically. Members of faculty of NITUK being at very initial stage, need extensive mentoring and monitoring. It is proposed to have two independent mechanisms for monitoring and mentoring as detailed below.

Academic Audit Committee (AAC) (One for each Department)

This committee shall consist of three to five Professors / Associate Professors from IIT Roorkee and IIT Delhi nominated by the Director NITUK. This committee shall review every semester all the academic activities i.e. teaching, evaluation, research etc. departmentwise and give assessment of individual teacher and the department. This committee shall also suggest the improvement areas. These reports shall be addressed to the Director and report on individual shall be a confidential.

Academic Mentor Committee (AMC) (One for each Department)

This committee shall be of 3-7 Professors / Associate Professors from any IIT (but not from AAC) as recommended by HoD of concerned Department. Members of these committees shall visit Institute together or individually. They shall closely interact with the faculty and Department to guide teachers in all academic activities. They can give suggestions for growth of the Department to the respective HoD. This committee not being in the evaluation mode, faculty shall be free to interact with them and share their shortcomings.

Visiting members of the committees shall be provided with TA/DA and local hospitality in addition to honorarium as per Institute norms.

The board is requested to approve the proposal.

BoG 07.17: Approval for Sponsoring Best Innovation Awards.

In support to Govt. of India's policy to encourage the students to do the innovative work, it is proposed that the NIT, Uttarakhand shall sponsor All India Innovation Awards from amongst innovations submitted by students from NITs as under.

First Award - ₹ 100,000/- and Certificate

Second Award – ₹ 50,000/- and Certificate

Third Award – ₹ 25,000/-

To motivate NITUK students exclusive awards for innovations for NITUK students shall be as under

Best NITUK Innovation – ₹50,000/- and Certificate

Consolation Prizes for NITUK students (5 Nos.) – ₹10,000/- each and a Certificate

For this purpose, NIT Uttarakhand will invite innovation reports from all NIT students and choose best 10 out of them for demonstration and presentation at NIT Uttarakhand. A committee of three senior professors from respective field (from outside NIT Uttarakhand) will be constituted for the purpose. A certificate from the respective NIT Director will be requested indicating that the particular work is the original one and done by the concerned student. If approved, provision will be made in Institute Budget.

The Board is requested to approve the above proposal.

BoG 07.18: Permission for ceiling on cash award instituted by the Council of Students Activities (CSA).

The CSA is organizing various competitions for students of NIT, Uttarakhand in the field of cultural, sports and technology. To boost the participation, CSA desires to give cash awards to the winners. It is proposed to permit CSA to give away the cash awards not exceeding ₹10000/- in any single event and not more than 10% of the total CSA budget for all events taken together.

The Board is requested to approve the above proposal.

BoG 07.19 - Confirmation of faculty appointed on probation for one year.

The following faculty members have completed their probation period satisfactory.

1. Dr. Pawan Kumar Rakesh
2. Dr. Manvendra Singh Khatri
3. Dr. Indrajit Manohar Nagpure
4. Dr. Ajay Kumar Chaubey
5. Dr. Saroj Ranjan De
6. Dr. Dheerendra Bahadur Singh
7. Dr. Kuldeep Sharma
8. Dr. Renu Bhadola Dangwal
9. Dr. Nitin Sharma
10. Dr. Anirban Mukherjee
11. Dr. Pankaj Kandwal

Further, verification regarding medical fitness, character, antecedence and caste (where able applicable) is also been successfully done.

The Board is requested to accord approval for their confirmation.

BoG 07.20 Items for Information:

1-Appointment of Legal Advisor –For Information

For legal matters related to Delhi High Court/Supreme Court & others, Mr.Ayush Negi, Advocate Supreme Court is empaneled as legal advisor. His profile is attached for reference as **Annexure BOG 07.07**

2- Typographic Errors

- a. The approval for consideration of resignation of Dr. Dhundi has been obtained vide note NITUK/Estt./Pers(AS)/2015/012/218 dated 08.05.2015. However the designation has been shown as Assistant Professor as against Associate Professor inadvertently. Necessary correction has been taken on record.
- b. Approval for appointment of faculty was taken from the Chairman vide note NITUK/Estt./2014/Recruitment/034/766 dated 12/06/2014. It is observed that 2 increments as against 7 were inadvertently shown against Mr. Anupam Yadav. However, the order has been issued with due correction.

This for the information of the Board.

BoG 07.21 Any other item with the permission of the Chair

CURRICULUM VITAE

Permanent Address

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Educational Qualification

2005 - Passed High School from G.D Birla Memorial School, Ranikhet
2007 - Passed Senior Secondary School from Amtuls Public School, Nainital
2007-2012 - Passed 5 Year Integrated BSL.LLB Course DES Law College, Pune
2012- Enrolled with Bar council of India.

Experience

April 2012 – September 2012 – Worked as an Associate at KG Bhagat & Co, Delhi
Currently Practicing in Supreme court of India , Delhi High court and Nainital High Court.
Represented G.B Pant Institute of Himalayan Environment and Development before Supreme Court of India.
Represented HILTI Pvt Ltd before Labour Courts, Delhi
Representing Divya Himanchal Prakashan Pvt. Ltd before Delhi High Court.
Represented Nimbus School Dehradun before Nainital High Court.
Represented Shivalik Institute before Nainital High Court.
Represented Asha Academy before Nainital High Court.
Represented RMS College before Nainital High Court.
Represented OMBIA Science College before Nainital High Court.
Represented Mayadevi Education, Dehradun before Nainital High Court.

Specialized Courses

Pg-Diploma in Intellectual Property Rights from NLSIU Bangalore.	2010-11
Diploma in CYBER LAW from Asian School of Cyber Laws	2010
Diploma in Mergers and Acquisition from Asian school of Cyber Laws	2008-09

Personal Profile

Name : AYUSH NEGI
Father's Name : Mr. V.B.S NEGI(Additional Advocate General,
Uttarakand High Court)
Mother's Name : Mrs NALINI NEGI
Date of Birth : 11-08-1988
Gender : MALE
Marital Status : SINGLE
Nationality : INDIAN