

CRITERION 9	STUDENT SUPPORT SYSTEMS	TOTAL MARKS:50 Claimed 50
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9.1 MENTORING SYSTEM TO HELP AT INDIVIDUAL LEVEL (5) Claimed 5

❖ MENTORING SYSTEM

A new strategy to access and motivate students has been initiated. All faculty and students of all semesters are divided into mentor-mentee. Semester coordinator will be assigned as mentor for each class. They would look into assigned student's academic progress, discuss with tutor and other faculty about their behavior in classroom and should observe any unusual behavioral patterns and incidents.

❖ MENTORING AT NIT SRINAGAR

- Mentoring of the students is our top priority. Each teacher takes keen interest to mentor students under their charge.
- Student Welfare Cell members are always available to heed to the problems of the students. Students are always free to approach the teachers for any kind of guidance- personal, professional and so on. Students come with a burden and special endeavors are made to see that they get relieved of the burden.
- The students visit Students Welfare Centre where a lecturer (member of student Welfare) is made available throughout the day. Teachers come to the cell in their free periods. They counsel the students on diverse issues ranging from some personal psychological to social and academic.
- A diary shall be maintained for each student where various details like Personal Information, Previous meeting details, Academic Performance, Competitive Examination Details etc are recorded. The mentors meet the students periodically and monitor their performance and their activities. Guidance regarding the lagging issues is provided. If need be occasionally a meeting with the parents will be conducted.

❖ PROFESSIONAL GUIDANCE

The departments are well equipped with knowledgeable human resources in the form of members of faculty who by keeping themselves updated of developments offer guidance to the prospective professionals in addition to the classroom teaching.

➤ Career advancement

The Training and Placement cell has been active not only in arranging campus recruitment drives, but also offering awareness and training for the students.

➤ **Course work**

Members of faculty handling different courses interact with students in clearing all their Concept-oriented and test-based mechanics of the respective courses. The teachers after first formal evaluation guide the students as far as student-specific gray areas are concerned.

➤ **Lab-specific**

Each of the lab sessions are handled by 2 teachers along with 2 to 3 non teaching staffs, in order to have special care for the students while experiments are being handled. A demonstrative presentation is given by the teacher concerned before every experiment. The Laboratory records are evaluated after the experiment is held. In other words, there is active involvement of the members of faculty in pre-experiment stage, at the time of experiment and after the experiment.

➤ **Efficacy of the System**

- The mentoring system developed by the Institute has been proved to be effective considering different parameters.
- The involvement of students in the academics has increased, like class work attendance, paper presentations, presentation of models in exhibitions, participation in cultural activities etc. Because the number of students allocated to each of the mentor is limited to one class, personal interaction on regular basis has been possible.

❖ **SPECIFIC SUPPORT SERVICES/FACILITIES AVAILABLE**

➤ **Support for “Back Loggers”**

Remedial classes have been initiated through a special drive for students with back logs. These classes are engaged by Students of higher semesters with outstanding performance in the given course for the students having backlog in that very particular course.

Slow learners are found out from the analysis of various assessment processes such as class test, continuous assessment test, lab viva session, interaction during the lecture delivery, and in mentoring session etc. These students are asked to discuss with the faculty in person during the extra hours such as Tutorial/Library/seminar hour/ Remedial Classes during evening stay back, in addition to the special classes conducted for those students. Slow learners are also asked to take up the retests for the respective subjects. They are also given special attention by solving the important problems in the form of additional worksheets and assignments.

➤ **Exposures of students to other institution of higher learning / corporate / business house etc.**

The students are exposed to the current trends in the industry by arranging guest lecture from the reputed institution and industries. The students are also encouraged to take up the in-plant training in the industry to get the hands-on experience about the current technology in the

industries. The institute arranges for industrial visits to the students to get first hand information about the industries and their technologies.

➤ **Alumni connect**

Alumni of the Institute have been involved very actively in the process of Career advancement of the current students. Our Distinguished Alumni have been very proactive and deliver Lectures regarding student requirements of career building. Every month Alumni with varying expertise in industry, academia and successful entrepreneurship achievements are invited to have face to face interaction and deliver lectures related to their specific areas.

➤ **Memorandum of Understanding (MOU's)**

MOU's with IIT Delhi and IIT Jammu have been signed for facilitating project work, Research and even earning of credits during the stay of the student at these institutes of higher learning. Facilitation of placement to be carried out at these campuses has also been agreed on. For regular internship/training of students in current niche areas, a MOU has been signed with ALTTC Ghaziabad, a BSNL concern which basically meant for imparting training to ITS candidates.

➤ **Skill development (Spoken English, Computer Literacy, etc.)**

The language laboratory helps to improve the communication skills of students. The students are encouraged to give seminars to improve their communication and public speaking skills. Skill development is imparted to the students through Training and placement cell as well as Language department. Many activities like soft skills, communication skills, guidelines to access online materials, multimedia-based learning, etc are carried out for the sake of students. This is being upgraded to make it state-of-the art.

Language Laboratory	Space, Number of Students	Software used	Type of Experiments	Qualityof Instruments	Guidance
1	300 Sft 30/shift	Internet support	Speaking, Listening, Reading	Good	Yes

Table: 9.1a

➤ **Student's grievances redressal**

Grievances should be presented in person and in writing before the Coordinator, HOD or Director. The concerned authority shall make an effort to solve the problem and redress the grievance informally but if he does not succeed in this, a grievance committee shall be formed, the composition of which shall depend on the grievance. The committee shall look in to the grievance objectively and having due regard to the rules and the institutional and academic goals, recommend appropriate action to redress the grievance.

➤ **Women Grievance Committee**

Complaints Cum Redressal Committee for women is headed by Prof. Rohie Naaz Mir, HOD CSE department with additional members. If any of the girl students or lady faculty/staff faces a problem related to sexual harassment, they can report to the above committee. We have not received any such complaint for the past few years.

➤ **Anti-ragging committee**

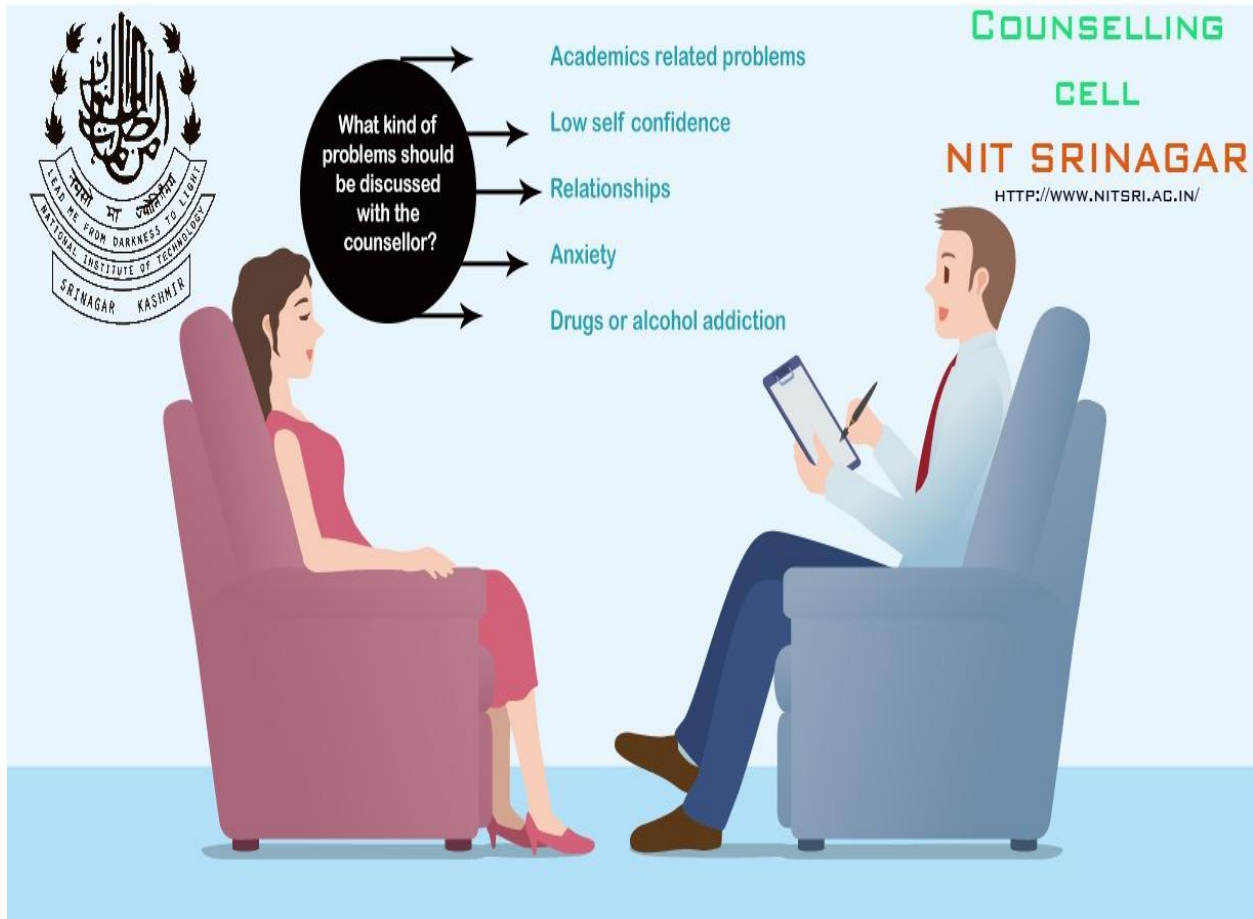
Anti Ragging committee headed by Dean Students Welfare, Wardens and Hostel manager is in place since long. Sign Boards have been put up specifically for this purpose all over the campus with strict warnings of not indulging in any such activity which would be considered as Ragging. Anti ragging information leaflets are distributed to all first-year students on their first day in the Institute. Anti ragging measures are taken in the Institute campus, hostels and Institute buses.

❖ **COUNSELLING CELL AT NIT SRINAGAR**

1. Introduction: -

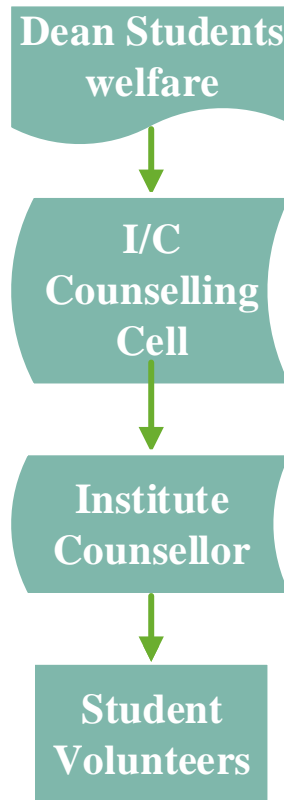
Counselling is a process that seeks to help you focus on and understand more clearly the issues that concern or trouble you. The counsellor's role is to offer support and understanding and listen and respond in a non-judgmental way. Counselling can also help with making decisions, choices or changes that are right for you. It helps you to understand your problem more deeply and deal with it more efficiently. The general problems associated with students are:

- Time management
- Low self-confidence
- Academics related problems
- Problems related to peers
- Emotional stress
- Relationships
- Family issues
- Financial problems
- Decisions regarding career
- Adjusting to the new environment
- Homesickness
- Sleep disorders
- Loneliness
- Anxiety
- Time management



According to World Health Organization, nearly one among five students will have emotional or behavioural problems. So, the Mental health and wellbeing of students require our attention. In this regard, Honorable Director Prof Rakesh Sehgal of the National Institute of Technology Srinagar has taken the initiative of providing counselling to students to make them more productive through programs of awareness on Mental health issues and professional counselling services. NIT Srinagar has a counselling cell which deals with all these issues of the students. It works under Dean Student's welfare and has an in-charge counselling cell, institute counsellor (psychologist) and student volunteers of the cell.

2. Structure of counselling cell: -



- Dean Student's Welfare: - Prof. Abdul Liman
- In charge Counselling cell: - Dr. Neeraj Gupta
- Counsellor (psychologist): - Mr. Fairoz Malla
- Student Volunteers (List Attached- the same selected student Volunteers are continued)

The work of the in-charge counselling cell is to coordinate the activities and events of the counselling cell. NIT Srinagar has a full-time counsellor who is available 24 hours to deal with the issues of low self-confidence, emotional stress, sleep disorders, loneliness, anxiety etc. The student volunteers assist in various activities like conducting events, identifying the students under stress, counsel them regarding academic issues, time management etc.

3. Volunteers of Counselling Cell: -

Student Coordinator (Girls): - Riya Baranwal

- **Student volunteers for academics related problems** (Low self-confidence, financial problems, Decisions regarding career, Time management).

S. No.	Name	Year of Enrollment
1	VIBHUTI CHOUDHARY	2018
2	SACHI SINGH	2017
3	RIYA BARANWAL	2017
4	JASAFI SHOWKET	2017

Table: 9.1b

- **Student volunteers for Emotional stress** (Problems related to peers, Relationships, Family Issues, Adjusting to the new environment, Homesickness, Sleep disorders, Loneliness, Anxiety)

S. No.	Name	Year of Enrollment
1	SHALINI PATHAK	2018
2	PRITI KUMARI	2017
3	ANEESA KHAN	2018
4	BABRA ABBAS	2018

Table: 9.1c

Student Coordinator (Boys): - Sahib Dawood

- **Student volunteers for academics related problems** (Low self-confidence, financial problems, Decisions regarding career, Time management).

S. No.	Name	Year of Enrollment
1	ABRAR SHAKEEL	2017
2	SAHIB DAWOOD	2017
3	ABDUL KASHIF	2017
4	ANURAG TIWARI	2018
5	SHIVANSHU TRIPATHI	2018

Table: 9.1d

- **Student volunteers for Emotional stress** (Problems related to peers, Relationships, Family Issues, Adjusting to the new environment, Homesickness, Sleep disorders, Loneliness, Anxiety)

S. No.	Name	Year of Enrollment
1	FAISAL JABAR	2017
2	MOHAMMAD SHOAB	2017
3	MUZAMMIL RAFIQ	2017
4	ROHIT KUMAR	2017
5	AMAN YADAV	2017

Table: 9.1e

- **Student volunteers for Drug-Related issues**

S. No.	Name	Year of Enrollment
1	NADEEM AKHTER	2018
2	DEEPAK MEENA	2018
3	ROMAN WANI	2017
4	MOHAMMAD ZUBAIR	2017
5	NAVEED MAQBOOL	2017
6	NADEEM AKRAM	2017

Table: 9.1f

4. Various activities of counselling Cell: -

a) **Team of volunteers: -**

The students are more comfortable discussing the problem in the same age group. So, a team of volunteers from the students has been formed. These volunteers are trained every 15 days to deal with the issues of students.

b) **Workshop on “How to manage stress”.**

On 20th May 2019, a workshop on "How to manage stress" organized by Counselling Cell NIT Srinagar. The workshop was conducted by institute counsellor Mr. Fairoz and Mr. Hussain, mental health therapist. The session was coordinated by Dr. Neeraj Gupta, Assistant Professor, Department. of Electrical Engineering. The counsellors started with defining stress, its causes, effect on life. Various activities were conducted like relaxation exercises, free association, mindfulness and deep breathing to relieve stress. Additionally, Mr. Shankar, head of ADANI automation, shared his life experiences and motivated students towards study.

Criterion 9



Criterion 9



c) Team of student volunteers for the new batch of students (2019): -

Criterion 9

To help the new batch of students to cope with stress, a team of student volunteers has been set up to deal with **Academic related issues** (Low self-confidence, Decisions regarding career, Time management), **Emotional stress** (Problems related to peers, Relationships, Family Issues, Adjusting to the new environment, Homesickness, Sleep disorders, Loneliness, Anxiety).

S. No.	Name	Year of Enrollment
1	VIBHUTI CHOUDHARY	2018
2	SACHI SINGH	2017
3	RIYA BARANWAL	2017
4	SHALINI PATHAK	2018
5	PRITI KUMARI	2017
6	SAHIB DAWOOD	2017
7	ABDUL KASHIF	2017
8	ANURAG TIWARI	2018
9	SHIVANSHU TRIPATHI	2018
10	ROHIT KUMAR	2017
11	DEEPAK MEENA	2018
12	ROMAN WANI	2017
13	MOHAMMAD ZUBAIR	2017
14	NADEEM AKRAM	2017
15	FAISAL JABBAR	2017

Table: 9.1g

d) Banners displayed on campus by Counselling cell: -

Banners with phone numbers of counsellors and student volunteers are displayed at various location on the campus so that any stress-related issues can be reported and resolved.



e) Frequent Visits to Hostel for awareness programs.

Another initiative was taken according to the instructions given by the Honorable Director to visit Hostels of the institute with the sole aim to aware students about fundamental Mental health issues and the impact of such issues on quality of life; and also, to promote open discussions on Mental health problems and positive mental wellbeing. Accordingly, visits were paid to some of the hostels and students were made aware of the mental health and stress management techniques. The counselling cell and Medical Unit is working hard to provide primary health care, awareness programs and psycho-social support to Students of the institution.



f) Motivational Talk series: -EMIT Talks-I

On 21st November 2020, The Counselling Cell of the Institute has initiated a Talk Series titled “EMIT”, an acronym for “Entrepreneurs, Motivators, Innovators, Technocrats”, who will be the invitee for these talks. The first invitee of the talk was Prof. (Dr.) Navneet Arora from Mechanical Engineering Department of IIT Roorkee.

EMIT TALKS
 ENTREPRENEURS MOTIVATORS INNOVATORS TECHNOCRATS
 (A fortnightly talk series)
 Organized By
 DSW and Counselling Cell
 National Institute of Technology Srinagar, J&K
 (An institute of national importance under the aegis of Ministry of Education, Govt. of India)

Eminent Expert and Motivator

Prof. Navneet Arora
 IIT Roorkee

Topic of Talk 1:- Achieving Excellence in Life
Date:- 21st November 2020.
 Registration link:-
<https://docs.google.com/forms/d/3ix8fcyUL5t53nMNMV6MwPIDUUF7KKbIFXLVVRMzUcw/edit>
 Last date of registration:- 20th Nov. 2020.
 B.Tech, M.Tech, Ph.D Students, Faculties can attend
 (There is no fee for attending)

Organizing Committee
CHIEF PATRON & CHAIRMAN

PROF. (DR.) RAKESH SEHGAL
 DIRECTOR, NIT SRINAGAR

CO-PATRON

PROF. (DR.) ABDUL LIMAN
 DEAN STUDENTS WELFARE

COORDINATORS

DR. MUKUND DUTT SHARMA, A. P. MED

DR. NEERAJ GUPTA, A. P. EED

Learning Skills Knowledge Competence Experience Training Ability Growth

The maiden session was inaugurated by the Director, Prof. (Dr.) Rakesh Sehgal. He expressed his delight at the inauguration of this event and stressed the need for such talks to keep the students motivated and enthusiastic.

The speaker, Prof. Navneet Arora, focused on the 7 steps to excel and succeed viz. Setting goals, Valuing Time, Loving the work, Decision-making, Self-control, Humility, and having faith in oneself. The informative talk came to an end with an interactive Question answer session.

To Excel and Succeed :

2. Respect Time

Time - Precious & Irreversible
 Don't kill it, otherwise it will kill you

Misuse of Time	Use of Time
Plan for Future	Learn from Past
Live in Present	Live in Present
Worry for Future	Plan for Future

Why to Excel ? To Succeed in Life

Success

- Physical Growth
- Mental Growth
- Economic Growth
- Social Growth
- Spiritual Growth

Summary

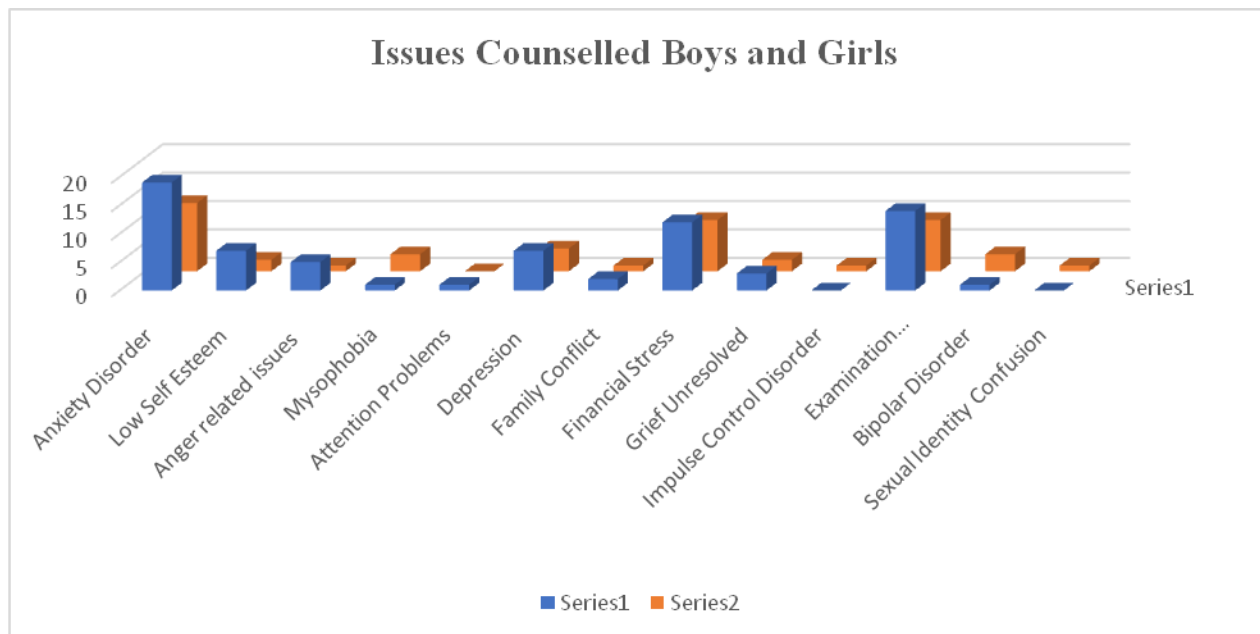
Seven Steps To Excel and Succeed

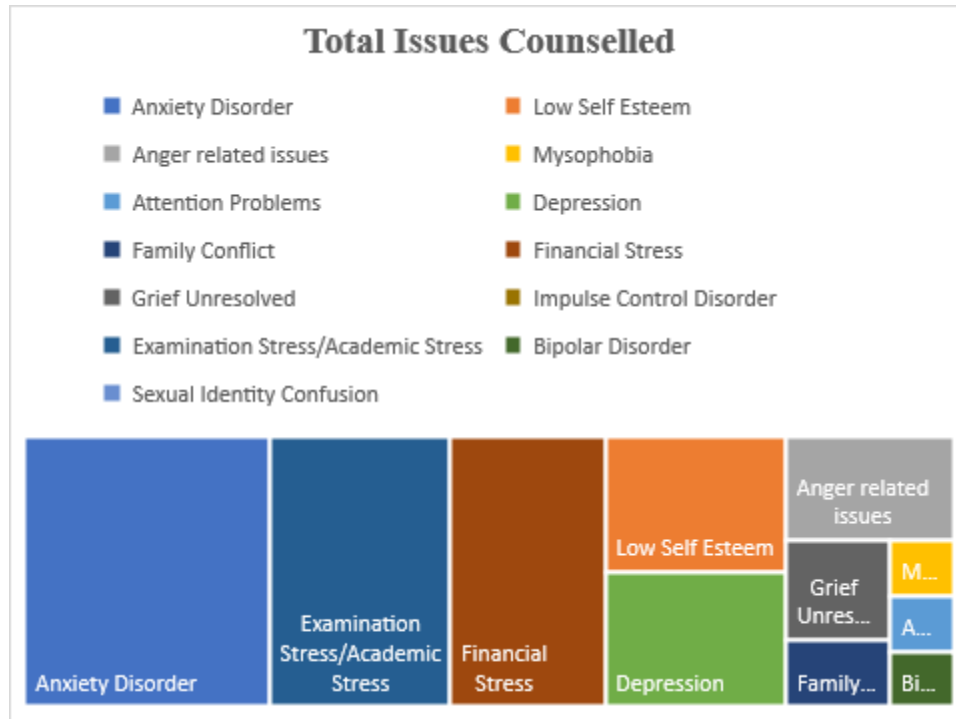
1. Set Your Goals and Remain Focused
2. Respect Time
3. Love What You Do
4. Take Decisions
5. Learn Self Control
6. Be Humble and Grateful
7. Have Faith in Yourself

5. Number of students counselled under various heads by Counselling Cell (upto session 2019-20): -

S.NO	ISSUES COUNSELLED	NO. OF STUDENTS	
		Male	Female
1	Anxiety Disorder	19	12
2	Low Self Esteem	07	02
3	Anger related issues	05	01
4	Mysophobia	01	03
5	Attention Problems	01	0
6	Depression	07	04
7	Family Conflict	02	01
8	Financial Stress	12	09
9	Grief Unresolved	03	02
10	Impulse Control Disorder	0	01
11	Examination Stress/Academic Stress	14	09
12	Bipolar Disorder	01	03
13	Sexual Identity Confusion	0	01

Table: 9.1h





6. Measures taken for emotional well being of students during pandemic: - Tele counselling has been done for various students during pandemic.

❖ **INDUSTRY – INSTITUTE INTERACTION CELL AT NIT SRINAGAR**

The functions of Industry – Institute Interaction Cell of NIT Srinagar is to create adequate facilities of updating knowledge of professional engineers to meet the growing and developmental needs of the industry and to coordinate the research and developmental activities of the two systems. The cell is headed by Prof. Saad Parvez.

➤ **Center for Research and Development/ Consultancy**

- Provide technical assistance to industries and user Organizations/Departments
- Promote research and develop appropriate technology
- Promote exchange programmes between industries and the institution
- Support Short-term courses/Seminars/Workshops for effective dissemination of knowledge
- Establish testing/consultancy centres in various fields of engineering
- Extend the necessary assistance to Staff to attend National/International conferences, Seminars, Workshops etc.

Corporate social responsibility:

Local Schools have been adopted to bring their students under the direct tutelage of our institute and invite them on occasions so as to instill in them confidence and inspire them with what different branches of engineering mean to the world at large. It gives them an opportunity to visit our labs and to have ample knowledge about engineering as a choice for carrer. Our faculty and students are invited by these schools to have a strong bond of belonging and Big other relation.

9.2 FEEDBACK ANALYSIS AND REWARD / CORRECTIVE MEASURES

TAKEN (10)

Claimed 10

Feedback mechanism is a well-organized system in the institute. The system of feedback collection is being done by manual. Students can enter their feedback according to a questionnaire. HOD will analyze the feedback of each faculty and will take necessary actions.

An overview of feedback evaluation for faculty members

S.No.	Item	Response
1	Feedback collected for all courses	YES
2	Specify the feedback collection Process	One regular class hour is designated for the purpose.
3	Who collects the feedback	Faculty members in charge of Student Feedback
4	When feedback is collected	Around 12 weeks after semester commences
5	Percentage of students Participating	All students
6	Basis of reward / corrective measures	Faculty members who get a feedback below a pre-defined value are forwarded to higher authorities for corrective actions.

Table: 9.2a

Flowchart for Feedback Analysis Process for Faculty Members

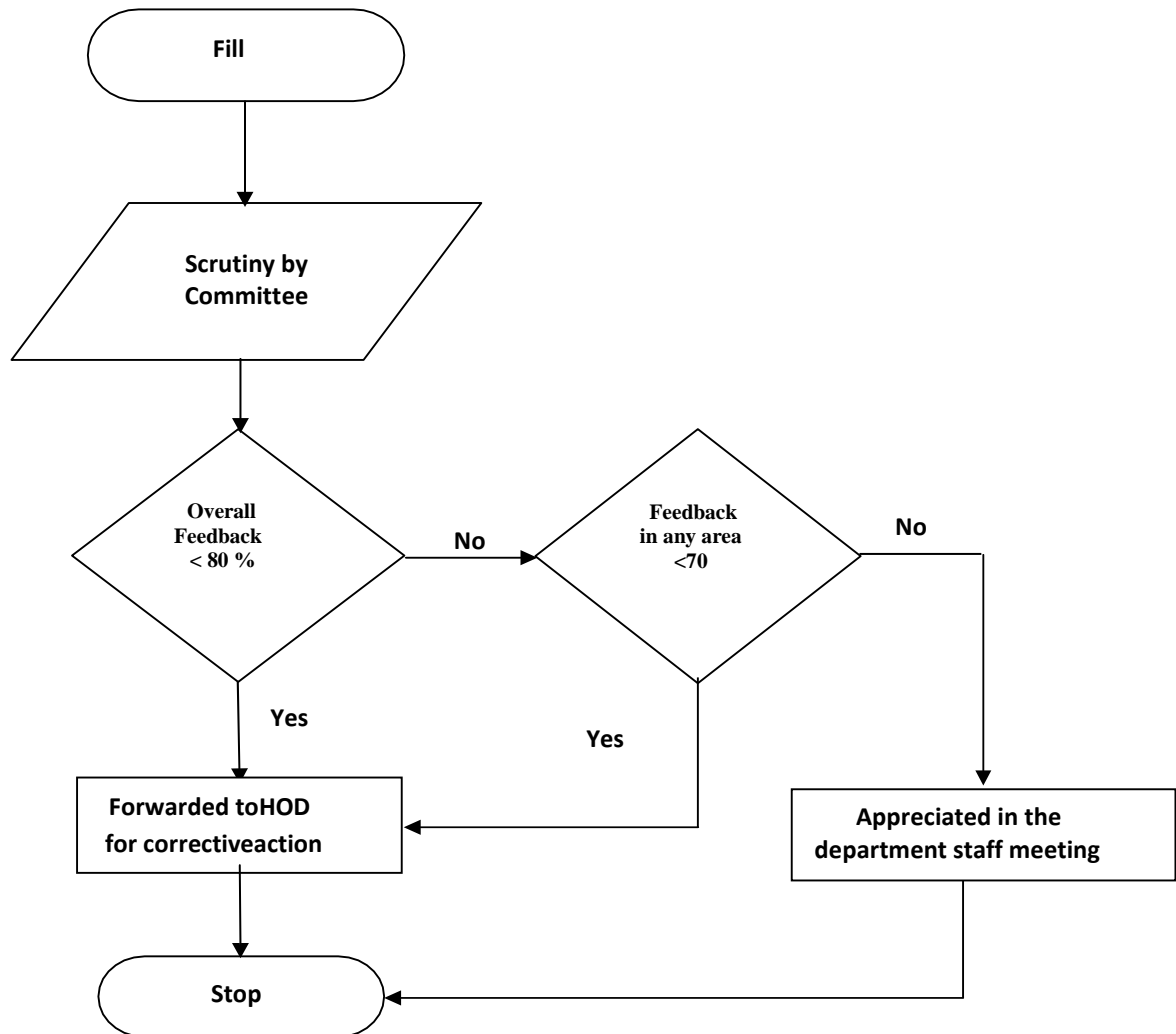


Figure: 9.2a

Basis of reward / corrective measures, if any:

Once HOD gets the summary of feedback, HOD analyzes the feedback of each faculty and will take necessary actions. The procedure of corrective action is given in the flow chart

Flowchart for checking effectiveness of corrective action

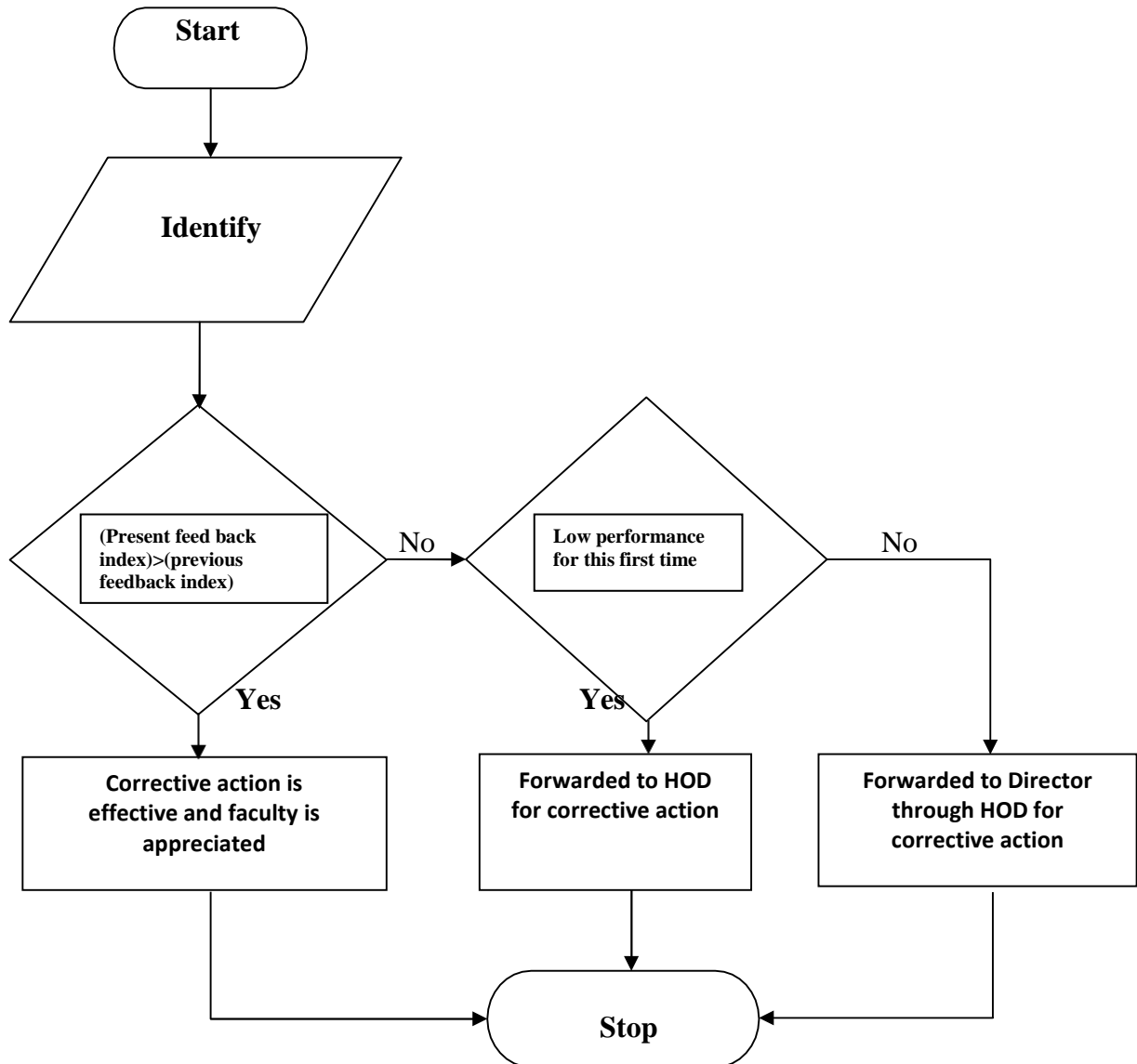


Figure: 9.2b

Induction programs are conducted for newly joined faculty members and continuing education programme for the experienced faculties. Those teachers who have not obtained good appraisals have a detailed discussion with the HOD on how to improve the teaching. Level of feedback is taken into account while evaluating the staff for promotion.

Also, Class Committee meeting shall be conducted twice in every semester for each class. Committee members includes, Head of the Department, Class Tutor, two faculty members teaching in the respective class, 2-5 student members from the class. Students are given freedom to raise any kind of issues related to teaching learning process, facilities provided or any other relevant matter.

Feedback analysis and reward /corrective measures taken for Hostels and Messes

The hostel/mess management has taken the following corrective measures:

- i. Conversion of messes from outsource to insource. It has been done to provide hygienic and quality food to the resident students.
- ii. Inclusion of student representatives in Mess Management committees for receiving frequent feedback from the respective mess representatives about the quality of food/services being provided in the messes.
- iii. Security personnel’s have been deputed in each block/floor of the hostel to keep 24 x 7 vigil on the students to avoid any untoward incident, ragging etc.
- iv. Engagement of Electricians, Carpenter & Plumber on contractual basis exclusively for hostel maintenance and repairing to redress the student problems without any delay.
- v. Procurement of electrical/carpentry/plumbing/water purifier items by the management directly for speedy redressal of problems.

9.3 FEEDBACK ON FACILITIES (5) Claimed 5

Process of Feedback Evaluation

Institute has initiated taking feedback on facilities from the final year students. A feedback on Library facility, Training & Placement facility, Laboratory facility, general facility etc has taken from students and they are asked to give rating of the same as Excellent, Good, Average. Just like the faculty feedback, facility feedback shall also be automated. By using the feedback, the areas of improvement can be identified.

Feedback Template

Library [tick mark in the relevant cell]

Questions			
1. How often do you visit the library?	Regularly	Occasionally	Rarely
2. Are the required number of titles in your subject available in the library?	Excellent	Good	Average
3. Are you satisfied with the cataloguing and arrangement of books in the library?	Excellent	Good	Average
4. Are you satisfied with the available reading space in the library?	Excellent	Good	Average
5. Are the Library Staff co-operative and helpful?	Excellent	Good	Average

Table: 9.3a

Common Computing Center [tick mark in the relevant cell]

1. Are you able to access Internet Centre as and when you require?	Regularly	Occasionally	Rarely
2. Are you making use of educational online resources?	Regularly	Occasionally	Rarely
3. Are there enough number of nodes available in the Internet Centre?	Excellent	Good	Average
4. Are the net centre staff co-operative and helpful?	Excellent	Good	Average

Table: 9.3b

Training & Placement Cell [tick mark in the relevant cell]

1. Has the Training & Placement (T & P) Cell providedampleOn-campus placement opportunities?	Excellent	Good	Average
2. Has the (T&P) Cell provided sufficientOff - campus placement opportunities?	Excellent	Good	Average
3. Did you ever avail Career counseling and guidance for higher studies from T&PCell?	Excellent	Good	Average
4. If you are invited to deliver a guest lecture/a special talk/amotivational session for your juniors, will you beinterested?	Highly Acceptable	Acceptable	Likely
5. Would you like to join the Department/Institute AlumniAssociation?	Highly Acceptable	Acceptable	Likely

Table: 9.3c

Others [tick mark in the relevant cell]

1. Are the class rooms clean?	Excellent	Good	Average
2. Are the toilets cleaned properly?	Excellent	Good	Average
3. Are you provided with enough drinkingwater?	Excellent	Good	Average
4. Are you happy with the food served inthe present canteen?	Excellent	Good	Average
5. Are theactivitiesofthestudentcounseling center helpful to you?	Excellent	Good	Average
6. Do you think that your grievances areaddressed effectively and efficiently?	Excellent	Good	Average
7. Are you satisfied with the activities of “R&D, NSS, IEEEandother professional bodies” in our Institute?	Excellent	Good	Average
8. Are you able to make use of reprography facility	Excellent	Good	Average

in the Institute?			
9. Are you satisfied with the prevailing scholarship programme of our Institute?	Excellent	Good	Average

Table: 9.3d

Feedback on Lab Facilities

Title of Lab			
What was your batch size?			
Satisfied with your batch size?	Excellent	Good	Average
Experiments of lab classes conducted as per schedule provided?	Excellent	Good	Average
Equipment's provided sufficient?	Excellent	Good	Average
Equipment's provided in working condition?	Excellent	Good	Average
Lab consumables provided of good quality?	Excellent	Good	Average
No. of experiments conducted as per University Norms?	Excellent	Good	Average
No. of experiments conducted over and above University Syllabus?	Excellent	Good	Average
Advanced/design-based experiments carried out in the lab?	Excellent	Good	Average
Lab manual provided was complete in covering the syllabus and informative?	Excellent	Good	Average
Lab assistant / technician assisting you?	Excellent	Good	Average
Lab in-charges (faculties) are helpful in completing the experiments?	Excellent	Good	Average
Opportunity provided to complete experiments partially done experiments and for days on which students were absent.	Excellent	Good	Average

Table: 9.3e

The identified weaker areas, with corrective action plan are submitted to the management and the same can be corrected within one academic year and then the feedback is taken from the next final year students.

Process flowchart for feedback analysis on facilities

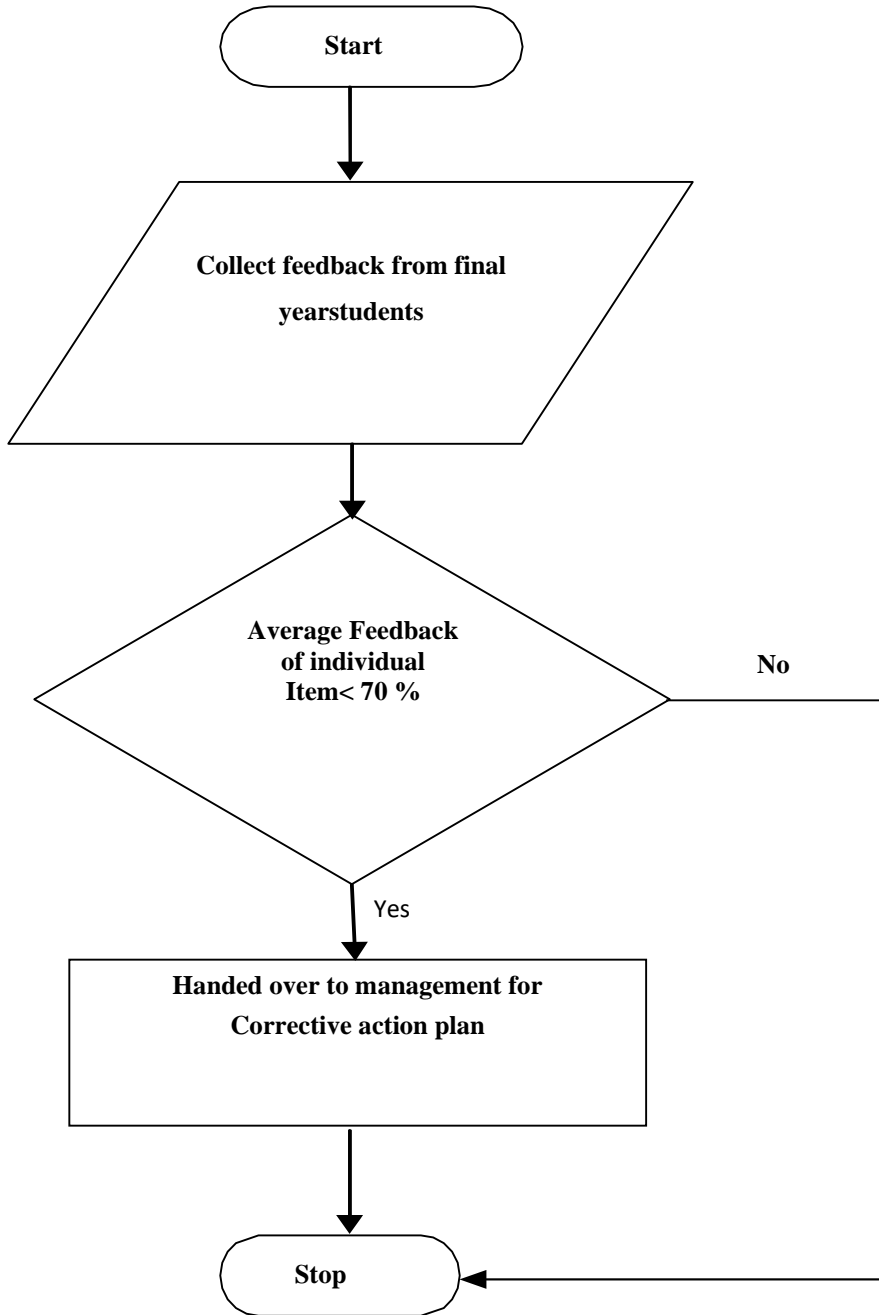


Figure: 9.3a

Information regarding Feedback on Facilities

The Hostel Management is providing the following facilities to the resident students of the Institute. Upgradation of facilities is in process as well as in pipeline.

S. No.	Particulars	Facilities Provided/Upgraded/In Pipeline
01.	Community Services	<p>Students are being facilitated with funds for community services to induce social fabric & communal harmony in them as under:</p> <ul style="list-style-type: none"> i) Erection of tent in the premises of hazratbal shrine on the eve of Eid-e-Milad-un-Nabi (Commemoration of birthday of Prophet Muhammad PBUH) and facilitating the devotees with water/juice or even with tea depending upon the season. ii) Erection of tent in the premises of Chatti Padsha on the eve of Guru Gobind Singh's Birthday, Guru Hargobind Singh's Birthday etc. and facilitating the devotees with kheer, sweets etc. iii) Erection of tent in the premises of Kheer Bhawani on the eve of mela to facilitate the devotees with kheer, sweets etc
02.	Hostel Facilities	
	i) Water Purifiers	Water Purifiers have been installed in sufficient numbers in each block of the hostel to facilitate the student community with purified water supply.
	ii) Furniture	New furniture is been procured i.e. lockers, beds and tables to facilitate the students with requisite furniture to make their stay in the hostel comfortable.
	iii) Wifi/LAN	Each block/wing of the hostel has been connected with wifi/LAN.
	iv) Parks and Lawns	Hostel Management has developed & beautified parks and lawns so that students can have leisure during their off time. Furthermore, umbrellas have been installed in the parks to facilitate the student community.
	v) Badminton Court	Badminton court has been constructed in each hostel of the Institute.
03.	Up gradated facility	
	i) Laundry facility	The Hostel Management has procured commercial washing machines to facilitate the student community with washing facility. The facility will be commenced soon.
	ii) Construction of hostels	The Institute has constructed two prefabricated hostels so that occupation of rooms could be minimized to some extent. The hostels will be allotted to the students soon.

	iii) Modernization of Messes	Each mess of the Institute has been modernized with latest kitchen equipments i.e. rice steamers etc.
04.	In Pipeline	
	i) Static Tent Structures	Erection of static tent structures work is in progress for facilitating the students with Guest Lobby, Reading Room, Library, Food Court etc.
	ii) Water Treatment Plant	Construction of mini water treatment plant in the hostel premises.
	iii) Mopping Scooter/Jet Cleaners etc	Procurement of mopping scooters and latest sanitation equipments to modernize the sanitation services in the Institute as well as in the hostels.
	iv) AC	AC's will be installed in each of the hostel.
05.	Financial Assistance	
	The Institute is providing financial assistance to the needy students every year so that they can continue their studies.	

Table: 9.3f

CENTRAL FACILITIES

CENTRAL WORKSHOP

- Workshop is Central Facility of the Institute.
- The primary objective of the establishment of Central Workshop is to conduct the classes of one of the main practical oriented courses "**Workshop Practice**" to fulfill the basic requirement of B. Tech course.

Main Objective

Central Workshop caters to various activities of the Institute which includes:

- Engages the classes of practical oriented course of workshop practice in 1st and 2nd semesters for (All) B. Tech courses.
- Provides facility to carry out practicals in various engineering trades to Mechanical and Metallurgical students.
- Plays an important role to design, development and fabrication of project works of the students from various departments of the Institute.
- Project work related activities including fabrication for the M. Tech students and Ph. D Research Scholars of the Institute.

Extension of Workshop Facility to other Technical Institutions in the Region

The following institutions are benefitted:

- College of Engineering and Technology University of Kashmir, Hazratbal Srinagar
- Government Polytechnic for Women, Bemina Srinagar
- North campus, university of Kashmir Baramulla

- I.T.I Srinagar
- Islamic University Awantipora Kashmir
- Government Engineering College of Technology, Safapora Kashmir

Technical Aid and Fabrication to Industries

Facilitating the technical aid to the **Small-Scale Industries of Kashmir** Province in the shape of fabrication of various types of Tools Dies and Jigs and Fixture and Gears etc.

Infrastructure

Well established Technical Infrastructure is available which includes:

(i) Machine (ii) Equipment (iii) Tools (iv) Technical Manpower

Workshop Practice provides facilities to be students for "hands on" various practical oriented tasks through formal classes /project works. The students are introducing to process, tools and materials for accomplishing various tasks which culminate in final products.

The students are trained to acquire basic knowledge and skills about engineering materials, manufacturing practices, equipment, tools and safety precautions to be observed during manufacturing of different products. The students carry out manual operations using mostly hand tools and elementary machines in the carpentry and pattern making shop, bench work and fitting shop, welding shop, sheet metal shop, black smithy and forging shop, machine shop, foundry and casting shop etc..

The common shops and major facilities in the Central Workshop have been divided into various trades as given below: -

- i. Machine Shop
 - ii. Sheet Metal Shop
 - iii. Bench Work and Fitting Shop
 - iv. Welding Shop
 - v. Foundry and Casting Shop
 - vi. Black Smithy and Forging Shop
 - vii. Carpentry and Pattern making Shop
- Staff associated with Central Workshop

Office of the Central Workshop

• S.No.	• Workshop office Staff
1.	• Er. Syed Irshad Ahmad Qadri, Officer In-charge/Superintendent
2.	• Mr. Ghulam Mohammad (Tech Asst)
3.	• Mr. Muneer Ahmad (Tech)
4.	• Mr. Manzoor Ahmad (Works Asst)

Sr. No.	Workshop Section	Working Equipment/Machine	Employees (Permanent)	Employees Contractual
1.		<ul style="list-style-type: none"> • Kirloskar Lathe No's 8 • HMT Lathe No's 4 • Slotting Machine No's 1 • Horizontal Milling No's 1 • Vertical Milling No's 1 • Shaper No's 1 • Grinding Machine No's 1 • Tool & Cutter Grinding M/C 1 No's • Surface Grinder No's 1 • Kirloskar Lathe with tool Dynamometer No's 1 	<ul style="list-style-type: none"> • Firdous Ahmad Wani (Tech. Asst) • Javeed Ahmad Ahangar (Tech.) • Hilal Ahmad Dar (Tech.) • Altaf Ahmad Bhat (Tech.) 	<ul style="list-style-type: none"> • Mistry Mohammad Nadeem (Technical Assistant)

2.	Sheet Metal Trade	<ul style="list-style-type: none"> Hand drill No's 1 Sheet bending machine No's 1 Hand shearing machine No's 1 Table shear cutting machine No's 1 Power operated shearing M/C No's 1 Grinding machine No's 1 	<ul style="list-style-type: none"> Muhammad Shabaan (Tech.) 	<ul style="list-style-type: none"> Ms. Afnan Asad (Technical Assistant). Abdul Aziz (Helper).
3.	Fitting Trade	<ul style="list-style-type: none"> Profile Projector No's 1 Drilling Machine No's 1 Arbor Press machine No's 1 	<ul style="list-style-type: none"> Gh. Qadir (Tech. Asst) Mushtaq Ahmad Shah (Tech.) Mohammad Ramzan (Tech.) 	<ul style="list-style-type: none"> Dawood Ibrahim Ali (Technical Asstt)
4.	Smithy Trade	<ul style="list-style-type: none"> Single Beak Anvil No's 2 Open Herth Furnace No's 4 Lever Shear No's 1 	<ul style="list-style-type: none"> Mohd. Ismail Kumar (Tech. Asst) Bashir Ahmad Sheikh (Tech.) 	<ul style="list-style-type: none"> Sumeer Kaul (Technical Assistant)
5.	Foundry Trade	<ul style="list-style-type: none"> None. 	<ul style="list-style-type: none"> Abdul Majeed Ahangar (Tech. Asst) Ghulam Rasool Telli (Tech.) 	<ul style="list-style-type: none"> Zahid Shafi (Technical Asstt)
6.	Welding Trade	<ul style="list-style-type: none"> MMA (Arc Welding) Machine 1 No's 	<ul style="list-style-type: none"> Zahoor Ahmad (Tech.) Mohammad Shafi Chikla (Tech.) 	<ul style="list-style-type: none"> Mohd. Yousuf (Technical Assistant)

7.	Carpentry	• Band Saw No's	1	• Showkat Ahmad (Tech.)	• MuzafarShah (Technical Assistant)
		• Thickness Planner No's	1	• Noor Mohammad (Tech.)	
		• Tenon Machine No's	1	• Mohd. Yousuf (Tech.)	
		• Grinder No's	1		
		• Thickness Planner No's	1		

Table: 9.3g

Transport/Automobile Facilities

The transport wing of the Central Workshop performs the essential service to the Institute. Presently the institute is having the vehicle strength of nine numbers to carry out the various academic activities of students, faculty and other official works of the institute besides to provide the facility of ambulance services round the clock (24 x 7) during the emergency to the students and staff.

The list of the vehicles performing the various activities of the institute is as under: -

Sl. No.	Name of the Vehicle with make	No of Vehicles	Drivers and cleaners in place	
			Permanent	Contractual
01	32-seaterBus (TATA)	02 Nos	Mr B. Bhadhur (Tech. Asst)	Mr ShowkatAhmad (Driver)
02	Ambulance (Maruti)	02 Nos		Mr Reyaz Ahmad (Driver)
03	Staff Car (Ambassador)	01 No	Mr Khazir Mohammad (Tech Asst)	Mr Shabir Ahmad (Driver)
04	Mini Loader (Truck)	01 No		MrSheraz Ahmad (Driver)
05	Fortuner Car (Toyota)	01 No		Mr Mohammad Yaseen (Conductor)
06	Innova Car (Toyota)	01 No		
07	Scorpio Car (Mahindra)	01 No		

Table: 9.3h

MEDICAL FACILITIES

NIT Srinagar has its own dedicated Health centre & multifarious medical needs of the campus population consisting of students, staff members, faculty and members of their families are met by institute hospital. It's equipped with all the basic medical facilities and is functional 24*7 with referral and ambulance services. Presently health centre is serving the strength of more than 4000 students plus faculty and staff including their wards. It offers free of cost medical facilities. The hospital is headed by the Head Medical Officer with a team of other specialists, paramedical and supporting staff.



FACILITIES

List of facilities available at NIT Srinagar Health Centre:

Opd (allopathy)

Patients are registered at the reception and are seen on first come, first serve basis, however out of turn consultation may be provided in case of emergency and senior citizens. Patients have the right to consult any doctor. In OPD, clinical consultation is provided to patients who include history taking, clinical examination, diagnosis and providing prescriptions to patients besides advising laboratory tests in some cases. Medication is provided free of cost to the patients. Sub waiting areas are available in front of individual consultation rooms and laboratory. Public utilities like drinking water and toilet is available. Wheel chairs, trolleys and attendants are there to help very sick patients.



Dental facility

An experienced dental surgeon along with dental assistant provides procedures like dental extraction, scaling/cleaning, RCT, fillings, local curettage. Dental facility is functional from April 2018.



Counseling services

Full time psychological counselor who remains on call 24*7 is available for providing counseling services to the students, staff and faculty members of the institute. Institute counselor pays regular visits to different hostels for conducting awareness programs like stress management, mental health awareness, positive psychology, psychology of happiness & different breathing exercises.



Ward/ipd facility

Ward facilities for observation and management of medical problems like typhoid, acute gastroenteritis, COPD, bronchial asthma, viral fever, pneumonias etc are available. There is one ward with five beds & one isolation room for patients of communicable diseases who require complete isolation.



Physiotherapy services

Full time well experienced physiotherapist is available 24*7 to provide range of physiotherapy services and to assist the patients to recover from wide range of musculoskeletal painful disorders, sports injuries, post operative traumas, neurological disorders and all orthopedic disorders. This facility is functional since February 2018. Following facilities will be available shortly after the establishment of physiotherapy unit; TENS, Laser therapy traction unit, Ultrasound, SWD, Muscle stimulation, Interferential therapy, Matrix Therapy Etc.



Laboratory services

Trained laboratory staff is providing best services & the laboratory is functional 24*7. Painless blood withdrawal & sample collection under all aseptic conditions is done in the laboratory. Following facilities are available;

- CBC
- Lipid profile
- KFT
- LFT
- Uric Acid
- Blood sugar fasting and PP
- HbA1C
- ESR
- CRP, CCP, RF

Criterion 9

- Serum LH, FSH, Prolactin, total testosterone
- Thyroid Function Tests
- Vitamin D levels
- HBSAG
- HIV
- HCV
- Vidal for typhoid
- Urine Routine examination
- Sample collection time for laboratory is 7am to 10 am while emergency tests like Blood sugar, platelet count, HB and blood grouping is done in emergent cases throughout OPD hours.



X-ray & ECG services

X-Ray and ECG services are available on all working days during OPD hours & in case of emergency.

Criterion 9

Pharmacy

Free reliable quality medicines are available to beneficiaries on doctor's prescription during OPD and night hours by pharmacists.



Minor OT

Provides services for minor surgical procedures like dressing of lacerated wounds, suturing of minor lacerations and re-suturing, excision of corns and cysts under local anesthesia.



Ambulance services

24*7 patient referral and transport services are available during OPD hours as well as emergencies to the nearest super specialty hospitals.

Timings

- Registration/OPD timings- On working days 8:45 a.m to 05:15 pm.
- Laboratory series – 24*7
- Pharmacy – 24*7
- X-ray & ECG services - 8:45 am to 05:15 pm and during emergency.
- In case of emergency Medical officer, physiotherapist, counselor are available on call 24*7.

People /Staff:

S.NO	NAME OF THE OFFICIAL	DESIGNATION	PHONE NO.
01.	Dr Fayaz Bhat	Head (Hospital Services)	9419001544
02.	Dr Mehnaz Rajab	Dental Surgeon	7006563082
03.	Dr Younis	Physiotherapist	9149729529
04.	Mr Mumtaz	Sr. Lab Technician	9906046953
05.	Mr Fairoz Malla	PsyCounselor	9596195546
06.	Mr Lateef	Store Keeper	9149922458
07.	Mr Fayaz Ali	Pharmacist	9796103421
08.	Ms Gincy Paul	Staff Nurse	7780897925
09.	Mr Irfan Siddiqi	X-Ray & ECG Technician	7006428525
10.	Mr Rouf	Pharmacist	7889399568
11.	Mr Waseem Rashid	Lab Assistant	7780923252
12.	Mr Khalid	Pharmacist	9596596880
13.	Mr Nisar	Lab Technician	7006349408
14.	Ms Nazima	Dental Assistant	7006244208
15.	Mr GM Teli	Orderly	8715913281
16.	Mr Bashir Ahmad	Orderly	9796968788
17.	Mr MushtaqAhamd	Orderly	9149516758
18.	Mr Showkat	Ambulance Driver	8491967214
19.	Mr Shabir	Ambulance Driver	9622827668

Table: 9.3i





Special camps and programs conducted:

- Workshop on stress management (June 2019)
- Influenza vaccination (October 2019)
- Mental health Workshop (October 2019)
- Quarantine facilities for staff and travelers (March 2020)
- Special counseling to people with special needs June 19
- Outreach health awareness program at Zalpora with DORAI foundation May

Sr. No.	Name of the Department	Patients Attended
1	COVID-19 Vaccination Drive	• 450 shots administrated till 08 June 2021
2	General OPD	• Students 3890 • Staff 3023
3	Lab investigations	• Biochemistry 1200 • HBA1C 40 • TSH 150 • Blood grouping 70
4	XRAY	• 534
5	ECG	• 220
6	Minor procedures	• Students 480 • Staff 680
7	Dental OPD	• 230
8	Physiotherapy	• 178

Table: 9.3j

9.4 SELF-LEARNING (5)

Claimed 5

The Institute developed an academic system which presents a curriculum which is having flexibility without prejudice to the fundamentals of any subject which are required.

Facilities given by institution for self-learning

- The curriculum offers courses major project where the topics are self selected or based on guide suggestion. The component of self learning is evaluated in these courses.
- Every student has to submit two home assignments in every course which has been evaluated for 10 marks. Some of these tasks are beyond syllabus to encourage outstanding students to develop their self learning capabilities.
- Some of the tasks in the lab courses are challenge based which has to be solved by the students on their own enhancing their skills.
- The program planned weekly time table and facilities in such a way that the students have space and time to explore and implement their ideas.
- Common Computing Center with well equipped and internet facility opened 24X7 for students.
- Digital library is provided in central library where students can access all kinds of E-journals.
- Industrial visits arranged by the Departments.
- Language lab facilities provided – This enables students to prepare to take-up the TOEFL, GRE examinations.
- The Institute encourages the students to attend Industrial training during semester breaks

Modes and Modules for Self Learning and Learning Contents beyond Syllabus:

Seminars

Seminars are taken on the recent research topics. Faculties of various departments can attend these seminars in their respective areas. This enables the faculty to get familiar with the recent researches carried out in various fields.

Department laboratories

The Institute provides well equipped laboratories for the smooth functioning of each department and the details of the same are as follows:

Departments	Total No. of Labs.	Name of the Laboratory	
Chemical Engineering	14	1	Biochemical Engineering
		2	Catalysis
		3	Computer (CAD)
		4	Energy Engineering
		5	Environmental Engineering
		6	Heat Transfer
		7	Fluid Mechanics
		8	Mass Transfer
		9	Mechanical Operations
		10	Membrane Science and Technology
		11	Process Dynamics and Control
		12	Reaction Engineering
		13	Department Workshop
		14	Project Lab
Civil Engineering	12	1	Civil Workshop
		2	Material Testing Lab I
		3	Computer Lab
		4	Geotechnical Engineering Lab
		5	Material Testing Lab II
		6	Transportation Engineering Lab
		7	Environmental Engineering Lab
		8	Project Lab
		9	CAD Lab
		10	Water Resources Lab
		11	Concrete Lab
		12	Earthquake Engg. Lab
Electronics and Communicatio		1	Analog Electronics Lab
		2	Digital Electronics Lab
		3	Advanced Characterization Lab
		4	Communication Lab

	11	5	Microwave & Radar Lab
		6	Image Processing Lab
		7	Embedded System Lab
		8	VLSI Lab
		9	Project Lab
		10	Bio Medical Engineering Lab
		11	Information Security Lab
Mechanical Engineering	12	1	Mechanical Workshop
		2	Machine Tool Lab & Advanced Machine Tool Lab
		3	Hydraulic Machines Lab
		4	Heat Engines Lab
		5	Fluid Mechanics Lab
		6	Heat Transfer Lab
		7	Mechanical Engineering Lab
		8	Measurements Lab
		9	Computer Lab
		10	Welding Lab
		11	Aerodynamics Lab
		12	Project Lab
Electrical Engineering	12	1	Computer Lab
		2	Electrical Machines Lab
		3	Electrical Measurements Lab
		4	Virtual Instrumentation Lab
		5	Control Systems Lab
		6	Electrical Workshop
		7	Project Laboratory
		8	Basic Electrical Engg. Lab
		9	Microprocessor Lab.
		10	Power Systems Lab

		11	Non-Conventional Energy Systems Lab
		12	DSP Lab

Table: 9.4a

9.4.1 CENTRAL LIBRARY FACILITY

The NIT Srinagar library, LIRC supports the Teaching, Research & and other related programmes of the institute. The Library has a good collection of documents that comprises of Books, Journals, Theses, Video cassettes, Learning Resources (LRs)& Compact discs in the field of Engineering, Science, Management, and Literature & Humanities.

The library has computerized data of whole of its collection using **KOHA software** and is in the process of automating all library operations.

Library Established in	1960
Library Members	4500
Number of Books	68248
Reprographic facility	Xeroxing
Data usage of the Library	70-80% (in terms of Books issued to faculty& students and E-resources used)
Annual Budget	INR 3,00,00,000.00(Three crores)
Timing during working days	8.45 am to 12 pm
Timing on Sundays &Holidays	10am to 5pm

Table: 9.4.1a

- **Layout and Floor plan**
 - **Ground Floor: The ground floor houses the following important sections.**
 - Periodical section
 - Circulation section
 - Conference Hall
 - Acquisition Section/Processing Section
 - Stacks I
 - Assistant Librarians Room
 - Dy. Librarian's room
 - Office
 - Automation section

Criterion 9

- **First Floor: The first floor houses the following important sections.**
 - Textbook & Reference section
 - Reading cum browsing Hall
 - Stacks II

- **Second Floor**
 - Back Volume Section/ ST, SC Section.

- **Library Mission:**
 - To promote the technical knowledge
 - Generation and application of knowledge & resources
 - Effective dissemination of knowledge.
 - Library automation and networking for remote access of online electronic resources.
 - Improve the library resources.
 - Enhance the student experience.
 - Build the digital research environment.
 - Provide convenient and customized access to information Library Resources

- **Library Resources:**

The library has a wide range of resources on engineering, sciences, humanities & Social Sciences.

Collection	Size (number)
Books	68248
Bound volumes of journals	10070
Video cassettes	496
Learning Resources	36
Compact discs	650
Books in Text book section	10037
Books in stacks section	58211
Books in SC, ST section	9898
Table: 9.4.1b	

Year	Number of New Titles Added
2016-2017	1193
2017-2018	24
2018-2019	7447
2019-2020	2249

Table: 9.4.1.c

9.4.2 QUALITY OF LEARNING RESOURCES (10)

E-Library (Electronic/On-line resources/e-resource)

E-library provides collaborative search of all type of e-resources/on-line resources such as e-journals and books

- **E-Books**

Central library procured different type of e-books, online books for students and faculty via IP range in the campus. The different departments can also be access various type of e-books such as text books and reference books in the electronic form.

➤ **Wiley**

Subjects Covered	URL	Total cost
Civil Engineering & Construction, Electronics & Electrical Engg, Computer Science & IT, Chemistry & Chemical Engg, Physics, Maths & Statistics & Mechanical Engineering.	onlinelibrary.wiley.com Year 2016 & 2017 No of Titles 829	\$88,694. 00

Table: 9.4.2a

➤ **Springer Nature**

Subjects Covered	URL	Total Cost
Chemistry & Materials Science, Computer Science, Engineering, Mathematics & Statistics, Physics & Astronomy	link.springer.com/openurl?genre=book&isbn=978-1-4471-6807-2 Year 2016 No. Of Titles 3298	€52,759.20

Table:9. 4.2b

➤ **Elsevier**

Subjects Covered	URL	Total Cost
Chemical Engineering, Chemistry, Engineering, Materials Science, Mathematics, Physics & Astronomy, Computer Science	sciencedirect.com Year 2016 No. Of Titles 493	\$102136.00

Table: 9.4.2c

➤ **Pearson**

Subjects Covered	URL	Total Cost
Chemistry, Civil Engineering, Computer Science & IT, Electronic Telecommunication, Mathematics, Mechanical Engineering, Physics	lib.myilibrary.com Year 2014-2017 No. Of Titles 312	INR 15,64,059.00 (Fifteen lac sixty four thousand and fifty nine)

Table: 9.4.2d

• **E-Journals**

➤ **E-Resources are accessible to our Institute through eShodhSindhu (eSS)**

E-resources	E-resources Subscription Period
ACM Digital Library	January 2020 to December 2021
ASCE Journals	January 2020 to December 2021
ASME Journals Online	January 2020 to December 2021
Economic & Political Weekly	April 2021 to March 2022
Institute for Studies in Industrial Development	April 2021 to March 2022
JGatePlus (JCCC)	January 2020 to December 2021
Oxford University Press	April 2020 to March 2022

Springer Link 1700 Collection+ Nature Journals	April 2021 to March 2022
Web of Science Lease Access	January2020 to December2021

Table: 9.4.2e

➤ **NDL e Resources**

1. World E-Book Library Available through NDLI (National Digital Library of India)
2. South Asia Archives (SAA), National Licensing (perpetual)

➤ **URKUND Plagiarism software** National Licensing

Back Files of Science Direct Journals from M/S Elsevier on the following subjects are now available from **Vol.1, Issue1**up to the year **1994**.

Subjects Covered	Year	URL	Total Cost
Engineering & Technology	Pre 1995	sciencedirect.com	\$1,93,874.00
Materials Science	
Chemical Engineering	
Computer Science	
Inorganic Chemistry	
Organic Chemistry	
Mathematics	
Business Management Accounting	

Table: 9.4.2f

E-Resources subscribed by the Institute (2019-2020)

Subjects Covered	URL	Total Cost
Science Direct (8 subject collection) Jan 2020- Dec 2020	www.sciencedirect.com/	USD 172,882.44
IEEE/IET Electronic Library (IEL) online Jan 2019-Dec. 2021	http://ieeexplore.ieee.org/	INR 35,66,238.76 (Thirty five lac sixty six thousand two hundred thirty eight)
SCOPUS Jan 2020- Dec 2020	www.elsevier.com	USD 23,575.00
TURNITIN (Plagiarism software)		INR 7,37,007.00 (Seven lac Thirtyseven Thousand & Seven)

Table: 9.4.2g

- **BIS &ASTM Standards on our IP range.**

Subjects Covered	URL	Total Cost
BIS	http://standards.bsb.co.in/	INR 12,48,345.60 (Twelve lac Fortyeight Thousand Three Hundred &Forty Five)
ASTM	http://compass.astm.org	INR 7,44,420.44 (Seven lac Fortyfour Thousand Four Hundred & Twenty)

Table: 9.4.2h

SERVICES

➤ Membership

All the students, faculty members, research scholars & administrative staff can register themselves for the membership of the library. The membership form is available at the circulation counter and the same is required to be attested by the Head of the Department/Section

The number of books borrowed by users is as follows:

Category	Number of Books	Duration
Faculty	10	30 days
Research Scholar	05	15 days
Student	03	15 days
Supporting Staff	02	15 days

Table: 9.4.2i

➤ Text Book & Reference Section

The textbook and reference section remains open from 8.45 a.m.to 9.30p.m. on all working days and from 10.a.m. to 4.00 p.m. on weekdays & holidays. The books available in this section can be consulted in the library only.

➤ Stacks section

The books available here are meant to be issued to the faculty, students, research scholars and other readers as per the criteria given in the library rules.

Criterion 9

➤ **Video Library**

The library has collection of video cassettes, CDs, & LR.s.

➤ **Photo copying facility**

The photocopying facility is provided to all students and faculty at subsidized rates.

➤ **Search**

OPAC (Online public access catalogue), Science Direct, E-Resources, Video library

➤ **RFID facility**

- Library and Information Resource Centre is currently being remodelled into a smart library. All the supporting Hardware (OPAC Kiosk's, Book Check-in/Check-Out Kiosks, Server's, Intra- Net, Networked Thermal Printers, Smart Staff Stations) and Software (Koha Server, Windows Server, Linux Server, RFID server) is already up and running. The library is also equipped with a wireless security gate that can alert the staff of any unauthorized checkouts whereas 2 high density data servers are running 24*7 in the library.

- **Lib website :** The library provides the updates to the patrons via the library webpage

<https://nitsri.ac.in/Department/Deptindex.aspx?page=a&ItemID=io&nDeptID=ck>

- **Library programs/activities:** User awareness webinars and workshops are continuously organised by LIRC.

➤ **Our Team**

Ms. Asmat Ali	Deputy Librarian M 9797847219, Deputylibrarian@nitsri.net
Technical Asstt. (SG)	Mrs Saymee
Technical Asstt	Mrs Tahira
Technical Asstt	Mr. M Y Rather
Assistant (SG)	Mrs.Dilshada
Assistant (SG)	Mrs.Neelofar
Jr. Lib assistant	MrShabir Ahmad Sheikh
Orderly	Mr.Noor Mohammad
Contractual	Six

Table: 9.4.2j

Criterion 9





Library & Information Resource Center
National Institute of Technology, Srinagar
Hazratbal, Srinagar, Jammu & Kashmir, India-190006
(An Institute of National Importance under Ministry of HRD, Govt of India)

  **IEEE**
*Advancing Technology
for Humanity*
<https://www.nitsri.ac.in>


Organizes a Webinar on:
Unlock your research potential with IEEE Xplore

 November 12, 2020  3:30 – 4:30 pm (IST)

Registration Link- <http://BIT.LY/REGIEEEENOV12>
Meeting Link- <https://TINYURL.COM/IEEEENOV12>

Patron: Prof. Rakesh Sehgal, Director NIT Srinagar
Chairman LIRC: Prof. Aijaz Ahmad Zargar
Speaker: Ranbir S Sedhey, IEEE Client Services Manager
Convener: Ms Asmat Ali, Deputy Librarian, NIT Srinagar

For any queries contact: 9797547219; deputylibrarian@nitsri.ac.in



Library & Information Resource Center
National Institute of Technology, Srinagar
Hazratbal, Srinagar, Jammu & Kashmir, India-190006

Organizes a **Webinar** on:
Effective Utilization & Training on "J-Gate"

September 11, 2020
11:00 AM (IST)

Patron: Prof. Rakesh Sehgal, Director NIT Srinagar
Resource Person: Ajay Sahay, Manager-Training, Jgate
Chairman LIRC: Dr. Najeeb ud-Din
Coordinator: Ms Asmat Ali, Deputy Librarian, NIT Srinagar

For any queries contact: 9797847219; deputylibrarian@nitsri.net



Library Committee

Sl. No.	Members of the Library Committee	Department	Responsibility
1.	Prof. Ajaz Ahmed Zargar	Electronics and Communication	Chairman Library Committee
2.	Ms. Asmat Ali	Library	Deputy Librarian
3.	Dr. M Zubair Ansari	Physics	Member
4.	Dr. S. A. Shah	Chemistry	Member
5.	Dr. Ranjeet Kumar Rout	Computer Science and Engineering	Member
6.	Dr. Irfan Samad Wani	Metallurgical & Materials Engineering	Member
7.	Dr. M S Charoo	Mechanical Engineering	Member
8.	Dr. Malik Perveez	Chemical Engineering	Member
9.	Dr M Adil Bazaz	Electrical engineering	Member
10.	Prof. Nayaz Ahmad	Mathematics	Member
11.	Dr. Prince Ahmad	Physics	Member
12.	Mr. Janibul Bashir	IT	Member
13.	Prof Mir Mukhtar		Member

Table: 9.4.2k**NPTEL**

The National Programme on Technology Enhanced Learning (NPTEL), a project funded by MHRD, provides e-learning through online web and video courses in engineering, Sciences, Technology, Management and Humanities. This is a joint initiative by seven IITs and IISc Bangalore. Other selected premier institutions also act as Associate Partner Institutions.

Industrial Visits

All the departments of the institution provide facilities for industrial visit. The students identify reputed industries from their discipline and are approved by the Director through the head of the department. The prior permission is obtained from the industry to visit it. The students are accompanied by minimum of two faculty members. During the curriculum two one day visits and a 3 to 5 days visit are organized.

9.5 CAREER GUIDANCE, TRAINING, PLACEMENT (10)**Claimed 10**

The objective of the placement cell is to mould the students to cope with the changing demands of the corporate world and place them in reputed companies based on the expected job profiles of each student

Placement activities

The Placement and Training department monitors the employment opportunities, cater to enhance employability of students and arrange on and off campus interviews. Our Campus recruitment program starts right from the penultimate semester. It's a policy of the Placement department not to patronize companies bend on doing Education & Training activities to attract the students in the name of recruitment against payment.

The placement department does not encourage the students, those who are placed through campus selection in a company to attend the further campus interviews so as to provide a chance for other students to get placed. The students aspiring for higher studies are encouraged to undergo GATE/CAT exams.

Functioning of placement cell

National Institute of Technology Srinagar (NIT Srinagar) lays emphasis on the placement of the students by training and preparing the students to face the real-life situation after graduation. An exclusive Placement & Training department under the guidance of an eminent professor collects the data of the graduating students and maintains a comprehensive database for ready reference.

The Institute provides an environment for comprehensive and harmonious development of the personality. We have regular communicative English Program incorporated in the curriculum. Further, resource persons and professionals from the field of communication and interpersonal skills are invited to equip our students with necessary soft skills required to face the interviews in today's competitive world. Such training exposure enhances the students' employability. Goal setting Time Management and Prioritization are the Key points that are implanted in the Youngminds.

Institute also provides need-based programs on software relevant to industry such as VLSI, Embedded Technology, Auto/Electrical CAD, Pro/E, JAVA, J2 EE, just to mention a few.

Placement Details

Academic Year	Branch	Batch Size	Placement	Higher Studies	Entrepreneur in Engineering/Technology	Placement Percentage
CAYm1 (Current Assessment Year)	ECE	44	16	7	-	52
	MECH	54	20	5	-	46
	CIVIL	75	31	16	-	63
	CHEM	34	10	5	-	44

(2019-20)	ELE	48	13	16	-	60
CAYm2 (2018-19)	ECE	72	39	10	-	71
	MECH	72	32	12	-	61
	CIVIL	109	34	28	-	57
	CHEM	59	19	6	-	42
	ELE	73	34	12	-	63
CAYm3 (2017-18)	ECE	74	33	8	2	58
	MECH	75	27	4	1	42
	CIVIL	118	44	19	2	55
	CHEM	62	18	8	-	41
	ELE	73	32	13	2	65

Table: 9.5a

List of Companies Visited The Campus

Placement details for the year 2019-20, batch 2016-20 passing out in 2020	
S.no.	Name of the company
01	Avanti Learning
02	Vedantu Innovations
03	GreyB
04	CEAT Tyres
05	Sagacious Research
06	Tata Project
07	Secon
08	Amdocs(Off Campus)
09	Maruti Suzuki
10	L&T Limited
11	Bansal Classes
12	Remote State
13	L&T Construction
14	Alstom (PPO, Off Campus)
15	Wipro Turbo
16	Capgemini
17	Tally Solutions
18	CGI
19	Policy Bazaar
20	Vedanta
21	ZS Associates [Consultancy]
22	Blogvault
23	OYO
24	Brillio
25	Eagle View [Off Campus]
26	Byjus
27	Infosys Power Programmer
28	Eagle View

Criterion 9

29	Clarico
30	Optum
31	Samsung R&D
32	Rajdeep Infotech
33	Wheelseye
34	Increff
35	Cogoport [Off Campus]
36	GAIL [PSU]
37	Lowe's Services
38	OIL India

Table: 9.5b

Placement details for the year 2018-19, batch 2015-19 passing out in 2019	
S.no.	Name of the company
01	Fourkites India Pvt Ltd.
02	Medlife
03	Nutanix
04	Teksystem
05	Grey B
06	Resonance
07	Wipro Turbo
08	L & T Construction
09	Amdocs
10	Nextscm Solution Pvt. Ltd
11	Zs Associates
12	Avanti Learning
13	Infosys(power Programmer)
14	JIO Financial Services
15	Persistent System
16	Saggezza
17	Mahindra Comviva
18	Vedanta
19	Sagacious Research
20	Kpit Technologies
21	Tata Power
22	Virtussa Polaris
23	Cummins
24	Greaves Cotton
25	SKF
26	Escorts
27	Gail India
28	BYJUS
29	ESSAR STEEL INDIA
30	Infosys
31	IKARUS(Intern)

Criterion 9

32	Cogoport
33	NHIDCL
34	Gammon Pvt Ltd
35	JSW
36	JCB
37	HLC Asia
38	Anglo Eastren
39	JIO Infocom Pvt Ltd
40	Wheelseye Technologies Pvt Ltd
41	Stellarix
42	Blogvault (Intern)
43	BYJU's
44	Mind Tree

Table: 9.5c

Placement details for the year 2017-18, batch 2014-18 passing out in 2018	
S.no.	Name Of Company
1	Adobe Systems
2	Sheroes
3	Nucleus
4	Lg Soft
5	Samsung (R&D)
6	Hpcl
7	Artic Invent
8	Blogvault (Intem)
9	Adverb(Internship)
10	Infosys
11	Tata Projects
12	Ibm
13	Rankwatch
14	Lnt Infotech
15	Sagacious Research
16	Jcb
17	Kec
18	Kpit
19	Johnson Controls
20	Resonance
21	Virtusa
22	Cummins
23	L&T Contruction
24	Tat Power
25	Gray B
26	Afcon Infrastructre
27	Tek Systems

28	Persistent Systems
29	Tata Motors
30	Reliance JIO
31	Wipro
32	Zs Associates
33	Vedanta
34	Envestnet Yodlee
35	Oil India
36	Ioctl
37	Gail

Table: 9.5d

Activities from Student Welfare Cell for Career Guidance and Counseling

Career Guidance and Counselling is a comprehensive, developmental program designed to assist students in making and implementing informed educational and occupational choices. Career guidance and counselling program develops an individual's competencies in self-knowledge, educational and occupational exploration, and career planning.

Objectives:

- To create awareness among the students for their future profession.
- To provide guidance to the students on various options available in the courses of their study
- To provide information to the students on the scope and relevance of any area irrespective of their field of interest.
- To provide guidance to develop positive attitude and behaviour in order to meet challenges of life to make it healthier.
- Resource persons from different fields deliver talks about career options to students and teachers and staff of the Institute through guidance and career counselling seminars and workshops.
- Activities of student Welfare Cell include Career Guidance and Counselling. The faculty also participates in personal counselling:
 - To help students to chalk out academic roadmaps for themselves.
 - To enable students to integrate themselves with their milieu.
 - To acquaint them with various career options through seminars.
 - To address problems related to stress, anxiety, examination phobia, peer pressure and adjustment to changed environment.
 - To help students, Periodic reports are shared with parents whenever necessary. Aptitude tests have been carried out to see the inclination of the students. Students were made to undergo this test and they had much to avail themselves of it.

Effective services for career guidance including counseling for higher studies Training details for students:

S.No.	Course/activity	Status of The course	Source of the Resources
1	Technical English & Communication skills	Curricular	In house
2	Professional Ethics	Curricular	In house
3	Aptitude	Co-academic	Both internal and external
4	Campus Recruitment Training	Co-academic	Both internal and external
5	Workshops	Co-academic	External
6	EventspecificProgrammes like GATE coaching	Co-academic	In house

Table: 9.5e

Provisions for improving Placements

- **Offering more elective subjects** in order to offer a wider perspective for the students to choose from. On other hand, the students would get an opportunity to have exposure to the emerging technologies.
- Some of the students may even come to a clear understanding that such sub- areas exist in their area of activity such they would visualize their career in those areas.
- **Projects** are introduced in order encourage positive compartmentalization of learning and to offer simulated industrial operations.
- In addition to the above, teachers offer counselling individually or in small groups.
- Separate Placement & Training Cell is maintained.
- Coordinators from various streams are appointed to assist and supervise relations with various industries.

Industrial Training

The fundamental objective of Industrial Training is to prepare students for future employment in their chosen engineering discipline. Industrial Training enhances the academic material studied at University by allowing students to practice what they have learned and to develop key professional attributes. Industrial training should provide an opportunity for students to:

- Experience the discipline of working in a professional engineering organization
 - Develop understanding of the functioning and organization of a business
 - Interact with other professional and non-professional groups
 - Apply engineering methods such as design and problem solving
 - Develop technical, interpersonal and communication skills, both oral and written
- Industrial training also gives employers an opportunity to assess future employees. A

Criterion 9

demonstrated commitment and ability to take responsibility, make sound decisions, and apply technical skills will be highly regarded. Industrial training gives students an opportunity to evaluate future employers as well as enabling informed decisions about the discipline and career paths to follow.

Final Year (2020 Passing Out Batch):

- We are in regular touch with the companies which have done recruitment from our college last year, the companies are also supporting and no offer has been revoked till now and has informed all the companies individually through mail regarding the rescheduled academic calendar.

For prefinal years (2021 Passing Out Batch) :

- 1) Organized a Pre Placement Assessment Test in Partnership with First Naukri.
- 2) Internship/ Training Opportunities: Automation Edge, Krayonz, Teksystem, Juspay, Edvizo, MCKINLEY & Rice , Mckinsey & USA, Internshala, Mission ED , HIEE (Paid Virtual Training), Phoenix Global, Vedantu, Edvizo
- 3) Online Test of TCS Coding Ninjas
- 4) Several Companies have started approaching for recruitment of 2021 Passing Out Batch: (Amdocs, Capgemini, Lowes, Optum, Odessa, Eaton, Mckinley & Rice, Teksystem)
- 5) Online Coding Classes by Career Launcher

Training & Placement Officer

Dr. Obbu Chandra Sekhar
Head Training & Placement Department
NIT Srinagar
Mobile: 9440343273
Email-id: obbuchandra@nitsri.net
placements@nitsri.ac.in

Infrastructure and Facilities available in the placement cell:

- Number of interview rooms: 2
- Number of GD rooms: 1
- Number of chambers for HR personnel: 2
- Number of guest rooms for HR personnel: 6

Members of Placement Cell:

- Full-time Officers: 1 (1 TPO)
- Full-time Trainers: 2 (Soft skills & Personality Development)
- Student Volunteers attached to placement cell: 32

9.6 Entrepreneurship Cell (5)

Claimed 5

Innovation, Incubation and Entrepreneurship Development Centre (IIEDC)

IIED centre is headed by Prof. Saad Parvez. The Centre aims to nurture and inspire the young entrepreneurial brains of the Institute as well as the region to peruse innovations, start-ups and entrepreneurship by creating a vibrant and conducive ecosystem in the region. We aim to empower Startups to grow through innovations & design in order to provide a fulcrum to the economic augmentation and employment opportunities.

The incubation centre is facilitating and nurturing the growth and development of innovators and start-ups through hand-holding, providing the right mentorship, developing and testing prototypes and offering other technical, financial and managerial services.

The centre provides a strong institutional framework in place for effective implementation, monitoring and evaluation of our objectives. It is continuously in a process of creation of start-up endeavours with disruptive value addition in various thrust areas like technology development, agriculture including horticulture, renewable energy, handicraft, electronic system design, manufacturing, IT-enabled and other services etc.

ABOUT THE ACTIVITIES:

IIED Centre NIT Srinagar is a community comprising a bunch of students working in partnership with academic researchers, Innovators, Idea generators and industry entrepreneurs to instigate breakthroughs. (*Fusing the uncommon, taking risks, thinking big*)

Following cells/clubs constitute the centre activities

1. Entrepreneurship Development Cell (EDC)

EDC Cell enhances an existing potential or asset through the process of learning and application of entrepreneurship dynamics. The cell polishes the entrepreneurial skills into a student needed to establish his/her ideas and vision into reality.

2. Innovation Cell (IC)

Innovation Cell initiates a program and participates in activities creative in nature to transform ideas into solutions. It bridges the gap between research and education with industry. During each engagement companies, educators, experts and students collaborate on real-world problems in order to deliver real-world solutions.

3. Grass Root Innovation Design Studio (GRIDS)

At GRIDS, the grassroots innovations from non-technical innovators are taken into the incubation phase for leveraging into holistic and interdisciplinary nature of design to cut across research and move projects from research to development.

4. Institute Industry Interaction Cell (IIC)

IIC Cell bring industry thought leaders with college experts to seed innovative thinking and to enable collaboration in technology, products, services, and business models.

5. Skill Development Club (SDC)

Skill Development Club is trying hard to develop the dynamic skill requirements of students by organizing skill development programmes and workshops to increase the employability of students to bridge the gap between education and industry. The main motive of the club is to recognise the team's potential and to adapt to the changing circumstances.

6. TOD FOD JOD Club (TFJ)

TFJ is a initiative program which is aimed at improving **(IQ)** innovation quotient of students. Our esteemed alumnus Mr. **Vikas Chawda**, founder and CEO of **Quantum Leap**, conducted the workshop session of TFJ's and initiated the process of TFJ to enhance creativity among young minds.

Benefits for the students

1. Become a leader- manage a student organization, illustrate abilities in planning, logistics, marketing, and advertising, create visibility for future employers.
2. Build a network- make contacts with entrepreneurs, professionals and academics who can help with recommendations, network and start a venture with peers.
3. Initiate innovative activities- invite business leaders to campus, plan new and exciting events for students to kick-start learning about new industries and different aspects of business planning.

Functions of the Entrepreneurship Cell:

- To inculcate a culture of innovation-driven entrepreneurship through student projects.
- To organize Entrepreneurship Awareness Camps, Entrepreneurship Development

Criterion 9

Programmes, Faculty Development Programmes and Skill Development Programmes in the Institute/institution.

- To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.
- To facilitate the creation of an entrepreneur's club in each department to foster a culture of entrepreneurship among students
- To disseminate knowledge and insights in entrepreneurial theory and practise through lectures activities and workshops.
- Build knowledge and skills to translate ideas into opportunities while they are on campus.
- Be motivated to start their own companies after graduation or after a few years of gaining industry experience.
- Be inspired to consider entrepreneurship as a possible career option

MAJOR PROJECTS UNDERTAKEN BY IIED CENTRE

1. Project of National importance (value 2.5 million Rs.)

- Govt of India, Department of Rural Development & Panchayati Raj, sponsored Time & Motion Study (TMS) project, under progress in three regions of Jammu, Kashmir & Ladakh to determine the standard time of MGNREGA workers for wage determination process and propose Innovative tools and process for accomplishing the MGNREGA activities.

2. Innovative Project having social impact successfully completed (2017-2018)

- Designed and developed NIF Sponsored project titled “Value Addition in Wood Fired Bukhari” under Grass-root innovation design studio (GRIDS) which is under commercialisation and marketing stage.



Fig: 9.6.a Innovative Project having a social impact

Achievements of IIED Centre, NIT Srinagar

1. **Smart India Hackathon (SIH) 2019:** NIT Srinagar students participated in SIH 2019 organised by MHRD's Innovation Cell. Students of NIT Srinagar received Second Runner up prize worth Rs. 50,000 at VelTech Chennai.



Fig: 9.6.b Students working for making prototype at SIH-2019



Fig: 9.6.c Students of NIT Srinagar awarded Prize of Rs. 50,000

2. Since the last three years Centre is participating in the Meeting of National Innovation clubs at Rashtrapati Bhavan and presenting innovative projects.



Fig: 9.6.d Students at Rashtrapati Bhawan

3. To unleash the young creative minds the centre conducted a number of workshops on TOD-FOD-JOD for school children



Fig: 9.6. eTOD, FOD, JOD, Skill Development program at Schools

4. Idea Challenge 2018



Fig: 9.6.f Idea Challenge 2018

Few successful Innovative Project & Startups

- **Yuwa Innovators** Food Grain Washer and Water Purifier Machine

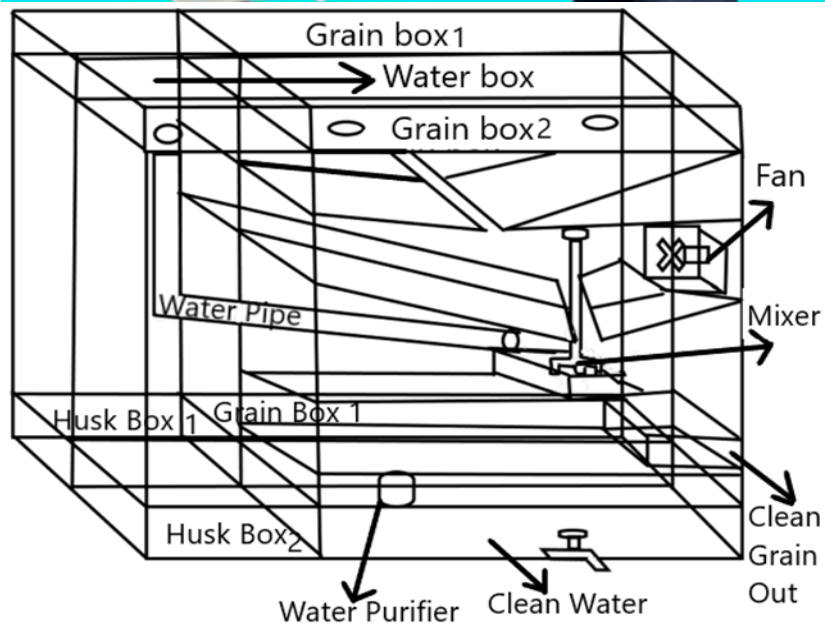


Fig: 9.6.g Food Grain Washer and Water Purifier Machine

MSME Ministry approves BI at NIT Srinagar

- ▶ The proposal submitted by the institute for its recognition as Host Institute for implementation of the scheme "Support for Entrepreneurial and Managerial Development of MSMEs through Incubator" has been considered & approved during the Meeting of PMAC held on 20/12/2019 at New Delhi.
- ▶ The centre recently received the approval of Rs. 1 crore from MSME, J&K, for setting the Incubation Centre at NIT Srinagar.
- ▶ The centre recently received the approval of Rs. 15 lac each for two ideas from MSME, J&K, for incubating ideas.

INNOVATION, INCUBATION AND ENTREPRENEURSHIP DEVELOPMENT CENTER

List of activities undertaken by IIED Centre during the year 2017, 2018 and 2019

Sl. No.	Date	Name of Event	Organized By	No. of Attendee	Co-ordinator/s faculty/students
01	April 3, 2017	Seminar on "Emerging trends in Android based mobile app"	Mr. Abhishek Kumar, Senior Corporate Technical Trainer (IBM Experts)	118	HEAD, IIED Centre
02	April 15-16, 2017	Two day's workshop on Robotics	Utkranti, eDC Team, IIT Delhi	78	HEAD, IIED Center
03	April 29-30, 2017	Two day's Workshop on "PLC & SCADA"	CETPA Infotech. Pvt. Ltd.	63	Vaibhav Mishra Shrishti Hooda Suryansh Mishra
04	May 6-7, 2017	Two day's workshop cum National Championship on Internet of things	TechieNest Pvt. Ltd. And IIT Hyderabad	82	HEAD, IIED Centre

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05	June 10, 2017	Interaction session with Kashmir's Entrepreneurs	Founder of KashBook, Co-Founder of Captivating Kashmir and INSPIRE award winner Zufa Iqbal	97	Rahul Kumar Shriyansh
06	Sep 6-7, 2017	"Youth Entrepreneurship in conflict areas" Symposium in Srinagar, J&K	CHINAR International in association with South Asia Network of Impact Masters and IIED Center, NIT Srinagar	27	HEAD, IIED Centre
07	Oct 2, 2017 (MEGA EVENT)	IDEA CHALLENGE 2017 – "The Future World"	IIED Centre	1000+	IIEDC Team 9with prize money worth 30,000 distributed to winners)
08	Oct 2, 2017	Swachh Bharat Abhiyan	Srinagar Municipal Corporation	43	Shriyansh
09	Oct 2, 2017	Orientation Session of Batch 2016 & Batch 2017	IIED Centre	600+	IIEDC Team
10	Oct 5, 2017	Orientation program of "The Better You"	STARTUP KASHMIR	134	Abhishek Gourav Rahul Kumar Shriyansh
11	Oct 29, 2017	One day seminar on "Importance of international certification in Design,	CETPA Infotech. Pvt. Ltd.	540+	Shriyansh Rahul Kumar

Criterion 9

		Automation and IT industries”			
12	Nov 2, 2017	Interaction Session with “Prof. Anil Kumar Gupta”, Founder of Honey Bee Network.	Central University of Kashmir	18	Rahul Kumar
13	Nov 9, 2017	Catalysing a cultural shift in youth entrepreneurship	EDP Cell on National Entrepreneurship Day	88	Nishant Sharma ManikLamba
14	March 19, 2018	Festival of Innovation and entrepreneurship, 2018			
14	October 9, 2018	Idea Challenge 2018	IIEDC	115	IIEDC members
15	July 2019	Smart India Hackathon (SIH)	MHRD	6	IIEDC
16	Oct 2020	Finance of startups"	IIEDC	-	IIEDC
17	November, 2020	Online Freshmen Orientation	IIEDC	-	IIEDC
18	November 2021	Panel Discussion Event	IIEDC	-	IIEDC
19	November, 2020	Idea Pitching Competition	IIEDC	-	IIEDC

Table: 9.6. a

Apart from the above, the IIED centre is working for the establishment of state-of-the-art Incubation centre for which DPR is being prepared with help of consultants. Successfully handed over an innovative project titled as "Value addition in a room warmer, Bukhari" to NIF which was commercialised and handed over to a local firm for production.

THE CONCEPT OF IDEA BANK

(Given by IIED Centre and is being implemented in different schools and institutions of the valley)

5-3-2016

A bank is a facility where people invest their money to get higher value of their investments. The banking process is interrelated to the general economic system of a nation. Billions of people invest in different schemes to obtain benefit in different ways. Innovation involves improving the way of producing goods or services. Often it involves creating better or efficient technology or a value addition in a product, process, procedure or method. Innovation may be the result of Research & Development. But innovation could also be a 'brainwave' – A Eureka moment where someone has a good idea to improve working practices. Idea generation is the creative process used in order to figure out solutions to difficult challenges. Idea generation is a natural process which flashes in the mind and is generated through some mechanism. This mechanism could be a long continuous effort towards solving a problem. It could also be a whim, contemplation, intuition, or perception which may arise because of knowledge, experience or a hunch. Every individual in his life generates ideas to resolve a problem or feels that his idea if applied or processed might provide a solution when known solutions are unavailable. His idea may or may not mature or may vanish from his mind. Converting ideas into accomplishments is a tedious process and requires the application of certain resources, knowledge and processes. There are many situations in which some brilliant idea that might have made a difference, fade and vanish away because of the lack of the right approach in protecting and storing it. Idea bank is a concept that provides a platform where the ideas of individuals are deposited and stored. The processing of these ideas can be carried in incubation centres nearest to such banks leading to its logical conclusion. It is a structured methodology which can help individuals to process their idea to obtain the solution for their problem. The banks initially collect ideas. These ideas are taken to the second phase where they are further filtered and relevant ideas are allowed to enter the next stage. In the third stage, the relevant experts process these ideas and add value to it. This stage may define the material requirements, technology to be used, bill of materials, drawing, processes, methods etc., whatever is relevant for the idea. This is the major stage that enables to develop a prototype or defines a new process or method.

Idea banks need to be established in:

1. Primary and secondary level Schools.
2. All other educational institutions including Institutes, universities, technical and non-technical institutions, training centres industries, service and manufacturing units.

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Idea banks need to coordinate at different levels to share and develop ideas, a mechanism of which could be developed.

INVITATION LECTURE BY AN EMINENT PROFESSOR

Date: **20-05-2016**

Professor K.L. Chopra, eminent Scientist, academician and ex- Director IIT Kharagpur, visited NIT Srinagar and delivered an expert lecture on the topic, "**NURTURING INNOVATION & ENTREPRENEURSHIP IN ACADEMIA**" on **24th May, 2016 (Tuesday) at 4.00 p.m.**, in the institutes HI-TECH room.

The lecture was very informative and thought provoking and was appreciated by one and all.

Finance of startups

IIED Centre NIT Srinagar presents
A speaker session on:
"Is college the right time to start a startup?"

Dr Sheikh Fayaz Ahmad

ABOUT THE SPEAKER
Dr Sheikh Fayaz Ahmad (PhD) works with Zhejiang University, China as an innovation researcher. PhD in innovation studies from JNU Delhi. He is co-editor of the book titled Informal Sector Innovations: Insights from Global South, published by Routledge, Oxford. Currently Dr Fayaz is engaged in exploring the dynamics of Secondary Innovations in China.

Date: 16 Oct 2020
Time: 3pm-4pm

Google form:
<https://forms.gle/dNRsTn816i2uVVU28>

Contact:
Tajamul Ashraf
+919070071007
tjamulashraf@ieee.org

Fig: 9.6.h Finance of startups

IIEDC, NIT Srinagar organized an online speaker session on the topic "Finance of startups" on 1st November 2020, 3 pm IST. The session was hosted by Tajamul Ashraf and coordinated by Ayush Kumar. The session was graced by the presence of eminent speaker Dr Fouzia Jan, who is an expert in financial management. She presented her ideas on various fundamental topics of finance like funding, equity dilution, revenue models, pricing models, investment etc. She helped enthusiastic young students in understanding the complex dimension of the aforementioned topic. The session ended with a Q&A session in which students raised

various interesting questions. Overall, the session was quite informative and interesting and it fascinated students about the financial management.

IIEDC presents

Speaker Session on Finances of Startups

An entrepreneur should always know about the finances of startup.

Key topics:

- 👉 Funding
- 👉 Equity
- 👉 Dilution
- 👉 Revenue models
- 👉 Pricing models

ABOUT THE SPEAKER

Dr Fouzia Jan
Completed PhD in Management Studies from Jamia Millia Islamia New Delhi-25 India. Qualified UGC-NET with JRF. Awarded Maulana Azad National Fellowship in Management by UGC, Govt. of India.

Google form:
<https://forms.gle/fzd5jP5N7JANpjp7>

Time: 3:00-4:00 pm
Date: 01-11-2020

Contact:
Tajamul Ashraf
+919070071007
tajamul_31btech18@nitsri.net

Fig: 9.6.i Finance of startups

Speakers:

PROFESSOR SAAD PARVEZ HEAD IIED CENTER TOPIC: ENTREPRENEURSHIP	PROFESSOR: DR ARIF TOPIC: OPT FOR JOBS (PROS AND CONS)	PROFESSOR: DR SADDAF TOPIC: OPT FOR HIGHER STUDIES (PROS AND CONS)
--	--	--

Date: 26 Nov 2020
Time: 2:15-5:00 pm
Google meet:
<https://meet.google.com/jnj-zwuf-dpt>

Coordinator:
Tajamul Ashraf
+919070071007
tajamul_31btech18@nitsri.net

Event Leader:
Poojitha
poojithaaedira19@gmail.com

Fig: 9.6.j Panel Discussion

PANEL DISCUSSION was conducted on 26th November 2021 hosted by NIT SRINAGAR. As the name conveys its a discussion carried by three prominent speakers on respective topics. The topics of discussion were:

- 1) “pros and cons of choosing jobs”
- 2) “ pros and cons of going for higher studies”
- 3) “pros and cons of becoming entrepreneur”

The primary aim of this event is to bring in speakers from different areas of expertise. We collected details from linkedin and mailed them to invite them to the speaking session. This event is conducted to eliminate the dilemma of every student of choosing between jobs, pursuing entrepreneurship and continuing with higher studies. Every coin has two sides. Every student needs proper counselling to decide their future journey. It was an interactive session where students from NIT SRINAGAR and outside got an opportunity to explore all the possible options. The panellist talked about how to choose between entrepreneurship, higher studies and

jobs. We have learned about inherent qualities of entrepreneur and what kind of thinking turns you into entrepreneur.

Idea Pitching Competition

Event Manager:
Nadeem Akhter
6387308580

NEC
National
Entrepreneurship
Challenge

IIEDC NIT SRINAGAR
presents

J & K's Biggest Idea Pitching Competition!

WHAT'S YOUR
**BIG
IDEA?**

**NOVEMBER 30
2020
3PM-5PM**

**CASH
PRIZE FOR
TOP
3
POSITIONS**

Scan here

Coordinator:
Tajamul Ashraf
+919070071007
Event Manager:
Nadeem Akhter
6387308580
Shivanshu Tripathi
9005563678

Google form:
<https://forms.gle/GTDygmmb4f1CATAx9>

Fig: 9.6.k Idea Pitching Competition

Pitching is one of the most important aspects, while one is starting a startup. You may need to pitch your startup to your customers or your investors. It is a skill that an

entrepreneur should master. You should always practice what you have learned and competing against each other helps everyone learn more about pitching.

Pitching basically means giving a presentation of a business idea to potential investors. In the field of entrepreneurship, knowing how to pitch your idea is very important to understand. For this very reason, J&K's biggest Idea pitching competition was held by IIEDC, NIT Srinagar on 30th November, 2020. Entries were invited from students of the valley to give a PowerPoint presentation explaining their business idea.

9.7 Co-Curricular and Extra-Curricular Activities (10)

Claimed 10

- Students are encouraged to participate in extracurricular activities.
- Music and Hobbies clubs are functioning very effectively.
- All the departments have their own technical societies which organise technical seminars, quizzes and other competitions in the departments to give a thrust to the development of the academic potential of the students.
- NSS units have also been rendering valuable service by inculcating the habits of social and national responsibilities amongst the students.
- A technical fest called 'Techvaganza' is conducted every year.
- Our students participate in cultural activities outside the campus also.

9.7.1 Sports and Games Facilities

Adequate provisions for extra-curricular activities are available in the institute. At present, facilities are available for Badminton, Volley-Ball, Football, Cricket, Basketball, Kho-Kho, Kabaddi, Athletics and other Indoor Games.

Details of Faculty/ Staff in Charge for Sports and Games

Name	Designation	Department
Dr. Manoj Kumar	Coordinator Sports and Student Activities	Physical Education
Ms. K. A. Mir	SAS Officer	Physical Education

Table: 9.7a

Faculty Profile for Physical Education

1. Name: Dr. Manoj Kumar

Email: manojkumar@nitsri.net

2. Name: Ms. K. A. Mir

Email: kowsaralimir@gmail.com

Inter-Semester Sports Meet: The Institute organizes the biannual sports meet in every academic year, known as Inter-Semester Sports Meet. Inter-Semester Sports Meet provides an excellent platform for the students to exhibit their sports and game capabilities. Various events like Badminton, Volley-Ball, Football, Cricket, Basketball, Kho-Kho, Kabaddi, Chess, Carrom, Hockey, Table tennis and Athletics 100-meter, 200-meter, 400-meter, 800-meter race, high jump, long jump, shot put, etc are conducted.



Figure: 9.7.a Inter-Semester Sports Meet

Sports and Games Facilities

S.no.	Name of the event	Area	Mode of game
1	Table Tennis	8 standard tables	Indoor
2	Basketball	38 m x 18m(2)	Outdoor
3	Volley ball	40 m x 25 m (3)	Outdoor
4	Carrom	game boards (10)	Indoor
5	Badminton courts	7 courts	Outdoor
6	Football	110 m x 70 m	Outdoor
7	Chess	game boards (20)	Indoor
8	Gymnasium (Boys)	25 m x 15 m	Indoor

		(Fitness Equipments)	
9	Gymnasium (Girls)	13 m x 7 m	Indoor
10	Cricket	Hard Pitch	Outdoor

Table: 9.7b

Sports Events Conducted/ participated/ in and outside NIT Srinagar from 1st January 2015 upto 31st April 2018

S.No.	Sports Event/s	Place and month where played/ conducted	Prizes/ Awards/ Positions
1.	All India Inter NIT Cricket(Boys)/ Swimming (Boys & Girls) Tournaments	NIT Rourkela (January 2017)	5 th place in Cricket
2.	Coaching Camp for Boys & Girls in Chess & Table Tennis	NIT Srinagar (March 2017)	All the students of NIT Participated
3.	All India Inter NIT Table tennis(Boys/Girls) and Chess (Boys & Girls) Tournaments at NIT Srinagar	NIT Srinagar (April 2017)	Winner T.T (boys) Chess Runner up (girls) And T.T (girls) 2 nd runner up
4.	IST State Championship of Cricket (Boys), Football (Boys) and Basketball (Boys).	Jammu University (April 2017)	Runner up Basketball 4 th place in cricket
5.	Summer State Basketball League.	Indoor Stadium 2017	Runner up
6.	Inter-Semester Spring Tournament in all Games (Boys & Girls)	NIT Srinagar (May 2017)	All the students of NIT Participated
7.	Yoga day	NIT Srinagar (June 2017)	All the students of NIT Participated
8.	Open Badminton Tournament (Boys)	NIT Srinagar (August-September 2017)	All the students of NIT Participated
9.	Inter-Semester Autumn Tournament in all Games (Boys & Girls)	NIT Srinagar (September 2017)	All the students of NIT Participated

10.	Club Activities	NIT Srinagar (September 2017)	All the students of NIT Participated
11.	RashtriyaEktaDiwas	NIT Srinagar (October 2017)	All the students of NIT Participated
12.	Open (Tennis Ball Cricket/Cosco Cricket Tournament	NIT Srinagar (October 2017)	All the students of NIT Participated
13.	Cricket Tournament with Government Dental Institute Srinagar	NIT Srinagar (November 2017)	Winner
14.	All India Inter NIT Kabaddi (Boys)	NIT Surathkal (January 2018)	Participation
15.	All India Inter NIT Badminton (Boys/Girls) and Basketball (Boys) Tournaments at NIT Warangal	NIT Warangal (January 2018)	4 th place in basketball 5 th place in badminton
16.	2nd State Championship of Cricket (Boys), Football (Boys) Badminton (Boys) and Table tennis (Boys).	Jammu University (April 2018)	Winner in Table tennis 3 rd place in badminton 3 rd place in cricket
17.	Inter-Semester Spring Tournament in all Games (Boys & Girls)	NIT Srinagar (April 2019)	All the students of NIT Participated
18.	International Yoga day	NIT Srinagar (21 June 2019)	All the students of NIT Participated
19.	Ranneeti (Running Events)	IIT Mandi (October 2019)	5000m Gold Medal 1500m Silver Medal 800m Silver Medal
20.	All India Inter NIT Athletic Meet (Boys/Girls)	NIT Rourkela January 2020	5000m Gold Medal 1500m Bronze Medal

Table: 9.7c

All India Tournament Inter NIT- 2020 Surathkal (Kabbadi)



Figure: 9.7.b Additional Student Activities Held During the Past Three Years

S. No.	Particulars	Year
1.	Yoga Day	2017 - 2020
2.	Cleanliness Drive (Swachh Bharat Abhiyan)	
3.	Alumni Meet	
4.	Fresher's Day/Orientation Programme	
5.	Farewell	
6.	Induction Programme	
7.	Stress Management	
8.	Passport Mela	
9.	Musical Concert (Ustad Kamal Sabri)	
10.	Techvaganza	
11.	Fit India freedom run	
12.	Hindi Diwas	

Table: 9.7d

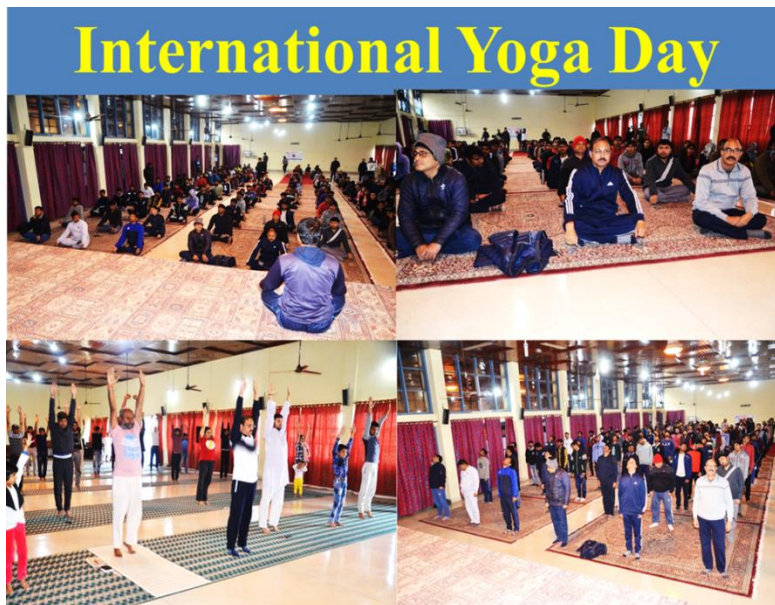


Figure: 9.7. cTechvaganza 2019



Music club

Figure: 9.7.d Music club



International Yoga Day

Figure: 9.7.e International Yoga Day



Figure: 9.7.f Fit India 2020

A poster for the 'FIT INDIA FREEDOM RUN 2020' event. At the top left is the 'FIT INDIA' logo. In the center, the text reads 'FIT INDIA FREEDOM RUN 2020 (24th September 2020)'. To the right is the 'स्वच्छ भारत मिशन' logo. Below the main text, there are three starburst shapes: 'Time: 10:00 AM', 'Venue: NIT Srinagar', and 'Distance: 3 Km'. At the bottom, there is a colorful illustration of a group of runners in various colors (red, blue, green, yellow, pink) running. Below the illustration is the NIT Srinagar logo and the text 'Organized by National Institute of Technology Srinagar Srinagar-190006, Jammu & Kashmir'. A note at the bottom says '(Note: The Run will commence from Director's office)'.

FIT INDIA

FIT INDIA FREEDOM RUN 2020
(24th September 2020)

स्वच्छ भारत मिशन

Time: 10:00 AM

Venue: NIT Srinagar

Distance: 3 Km

Organized by
National Institute of Technology Srinagar
Srinagar-190006, Jammu & Kashmir
(Note: The Run will commence from Director's office)

Figure: 9.7.g Fit India Freedom run 2020



Figure: 9.7.h Swachh Bharat Diwas-2020



Figure: 9.7.i Hindi Diwas-2020

The Hindi Cell along with the Counselling Cell of the Institute has organized the competitions on the occasion of Hindi Diwas, 2020 (On 14th Sept 2020).

The following categories were there:

1. Essay-Writing competition. Students have allowed writing the essay in Hindi or Urdu in about 1000 words.
2. Poetry Recitation/Storytelling competition.

The contests have conducted live over Google Meet.