



Prospectus NIFT PhD Programme 2020

Design
Management
Technology

PhD Programme

Objective | Research Proposal | Shortlisting, Selection, & Preliminary Registration | Timescale | Qualifying Stages of Work | Final Registration | Awarding PhD Degree

Objective

National Institute of Fashion Technology (NIFT) offers doctoral programme through its Head Office in Delhi. The programme is in recognition of high academic achievements, independent research and application of knowledge in the areas of Design, Management and Technology as applied with reference to textile, fashion, lifestyle, apparel, craft and any other related field. Interdisciplinary and trans-disciplinary research will also be encouraged.

NIFT recruits outstanding researchers to create a vibrant research culture and strengthen the research focus of NIFT. NIFT research training gives candidates the skills they need to conduct research, which aims to solve critical problems affecting the industry, communities and the environment.

NIFT expects its PhD scholars to demonstrate independent research and thought leadership through publications in academic journals and scholarly presentations of their work and also their passion for knowledge and research, for developing new ideas and paradigms. Creativity and the potential to do outstanding research must be a hallmark of their personality and intellectual skill set.

PhD degree would read the title of the thesis and would not state any area i.e. Design, Management, Technology.

SHORTLISTING, SELECTION, AND PRELIMINARY REGISTRATION

Research Proposal

Step 1 - The completed application form has to be submitted along with an outline of Research Proposal in prescribed word limit as mentioned below. This Research Proposal is the most important part of the Application. It will be expected to clearly set out an appropriate set of issues to be explored through research. It should include an indication of the approach that the candidate intends to take during research (e.g. literature-based /empirical/experimental/ practice-based research) and identify what is sought to be achieved as an outcome. The proposed research can be related to any previous work/studies carried out by the candidate.

All admission applications must be accompanied with the research proposal.

The research proposal must include

- Statement of topic of research (not more than 100 words)-focus of research, research problem it will address and contribution to knowledge the topic will make.

- Review of Literature (not more than 200 words)-Overview of key research on the topic and gap in knowledge that the topic will address.

- Objectives of research

- Research Methodology-Explain the research methods that you will employ to achieve the stated objectives and methodology for data collection and analysis.

- Expected Research Contribution to the field/industry

- List of References

Step 2 - Written test & Interview

All admission applications must be accompanied with the research proposal and be submitted with the consent of the NIFT PhD supervisor (Research Proposal format 1 and consent of NIFT PhD supervisor-format 2).

The students who are shortlisted after step 1- will be called for the written test and personal interview. The written test and interview will examine the candidates' communication skills, academic disposition, aptitude for research

and research co-curricular activities (Subject Areas for written test are in downloads). The test shall be for two hours with descriptive/objective type questions.

The merit of candidates will be drawn up on the total score of written test. The names of qualifying candidates will be put up on NIFT website, who then have to appear for research proposal presentation and interview (as per the calendar of activities). Admission will be offered to the deserving candidates depending on the number of seats available for the academic year.

(The criteria could be changed by NIFT without prior notice. Depending on the number of applications received and considering the constraints of time and other resources for conducting Written Test and Interview, NIFT may put additional academic performance based short listing criterion.)

NIFT will not provide travel and accommodation facilities for applicants appearing for the written test and interview. Candidates must bear all expenses for their travel and accommodation.

Exemptions from written Test

- PG degree Applicants with minimum 10 years of professional experience (teaching/ working) in the areas of research relevant to NIFT
- Masters degree holders who have minimum 10 years of experience and have cleared are hold a valid score UGC NET, CEED, CSIR (JRF) similar tests will be exempted from written test

Admission Eligibility (Full Time & Part Time)

Qualification	Min Education after class X	CGPA	Work Experience
Post-graduation degree in the relevant area of Design, Management or Technology (or) equivalent qualification from an institute/ university of national/ international repute	07	Cumulative Grade Point Average (CGPA) of 6.0 on a 10 point scale (5.5 for SC/ST candidates) or equivalent OR 55% (50% for SC/ST candidates) marks in aggregate (of all the years/ semesters)	None

Where the Master's Degree is found to be in a discipline not relevant to the areas identified by NIFT	07	Cumulative Grade Point Average (CGPA) of 6.0 on a 10 point scale (5.5 for SC/ST candidates) or equivalent OR 55% (50% for SC/ST candidates) marks in aggregate (of all the years/ semesters)	10 years of professional experience (teaching/ working) in the proposed area of research
Bachelors degree in the relevant area of Design, Management or Technology (or) equivalent qualification from an institute/ university of national/ international repute	05	Minimum Cumulative Grade Point Average (CGPA) of 8.0 on a 10 point scale (7.5 for SC/ST candidates) OR Equivalent as determined by the Institute wherever letter grades are awarded; or 75% (70% for SC/ST candidates) marks in aggregate (of all the years/semesters) where marks are awarded	10 years of professional experience (teaching/ working) in the proposed area of research

Marksheets of class X, XII, Bachelor's degree, Master's degree (if applicable), Scanned Copies of Degree-Bachelor's, Master's (if applicable), work experience certificate(s) on employer letterhead (if applicable), must be uploaded along with application form.

Programme Duration

For Full Time Scholars

The Scholars shall normally submit their thesis within a period of FOUR years, with the option of submitting in three years from the date of their initial registration for the PhD Programme. However, as a special case, this limit may be extended to a maximum of five years by the DG-NIFT after which the registration shall stand automatically cancelled. However, the scholar will not receive any financial assistance in this extended period.

For Part Time Scholars

The Scholars shall normally submit their thesis within a period of SIX years, with the option of submitting in FOUR years from the date of their initial registration for the PhD Programme. However, as a special case, this limit may be extended to a maximum of seven years by the DG-NIFT after which the registration shall stand automatically cancelled.

Full Time PhD Scholars Categories

i. NIFT Teaching Fellowship

ii. Sponsored by Public Sector Undertaking/a Government Department/ Research/Development Organization/or a private industry or an Educational Institution.

iii. Self-Financed, including those on Study Leave (SF)

NIFT Teaching Fellowship (NTF)-The scholars under this category are entitled to financial support of Rs. 31,000/- per month for first two years and Rs. 35,000/- per month for the next two years. On-campus housing will be provided to NTFs only if it is available. In case on-campus housing is not available, HRA of Rs 7000/- pm. towards off-campus housing will be paid. Other than the Fellowship, a Contingency Amount of Rs 20,000 per year shall be allocated to all NTF scholars on the recommendation of the concerned Supervisor after their yearly review. The NIFT teaching fellows will be present in NIFT campus as per rules and regulations of NIFT, for the duration of the PhD enrolment. The number of vacancies for the year 2020 PhD admission is 05 (Reservations will apply as per extant orders of Government of India).

The following criteria to be met by the NTF's Scholars for getting/continuation of Teaching Fellowship:

i. Scholars concerned must assist in teaching or research, as assigned by the respective Academic Unit to the extent of 8 hours of work per week.

ii. Satisfactory performance of the Research Scholar in Academic as well as other duties assigned by the Academic Unit.

iii. The scholars should not be an employee on the rolls (with or without pay) of any organization.

Teaching Fellowship will be awarded initially for one year and after an annual performance review of the scholar by the supervisor and SIAC-R, it may be renewed annually for a maximum period of 04 years. Under no circumstance the fellowship will be granted after completion of 04 years.

The fellowship to NTF shall stand terminated under the following conditions-

- on completion of 04 years from date of initial registration,
- the date of PhD viva-voce
- from the date of resignation of the NTF

At the time of joining, fellows will be required to give undertaking that they have applied for admission to PhD in NIFT under the NTF scheme and they are not employee on the rolls (with or without pay) of any organization.(Format -3).

Self-Financed, including those on Study Leave (SF) - This category refers to persons who are admitted through the usual admission PROCEDURE but are not eligible for financial support from the Institute. If admitted, Self financed candidates have to complete their programme within the prescribed time without any financial support from the Institute. This category also includes candidates who are released from Governmental or educational institutions on study leave for a period of **at least two years**. If selected then, employer's letter for study leave should be produced at the time of joining (Format-4). Those who may be sponsored by their employers to undertake PhD in NIFT may submit sponsorship certificate with the application form (Format 5). Such applicants can apply for hostel accommodation on campus, if available, it may be provided on payment basis

Part Time PhD Scholars Categories

Part Time-External Candidate - Candidates, who are working in reputed research organizations, academic Institutes and industries, are eligible to apply under Part time PhD degree programme subject to fulfillment of other eligibility criteria of PhD degree programme. "No Objection Certificate" from the employer for a part time candidate will be required along with the application form (Format 6).

Part Time-Internal Candidate - Academic and the Non-academic employees working in NIFT will also fall under this category. The study leave conditions of NIFT shall become applicable for the Part-time (internal) candidates. Academic staffs of the Institute require administrative clearance from the concerned Chairperson and Campus Director to seek registration on a part-time basis after satisfactory completion of service period of 3 years.

A member of the non-academic staff of the Institute after completion of three years of service (including probation) at the Institute, who satisfies eligibility criteria may be considered for admission to the PhD programme as a part time Scholar, provided he/she has been given administrative clearance by the Competent Authority at NIFT.

There is no provision for financial assistance/fellowship to Part time PhD candidates.

Location of the PhD scholar

NIFT currently has 16 campuses all over the country. The Full time scholars

will be based at the NIFT Campus of the assigned PhD supervisor to ensure that the applicant is under the guidance of the supervisor and the research rigor is maintained throughout the programme. This applies only to Full Time Scholars.

The part time Scholar could be based anywhere; however all the Scholar shall require to travel to the NIFT campus where compulsory coursework classes are held and also travel to meet the supervisor, and for progress seminars, comprehensive examination, Pre PhD Seminar, Viva Voce etc, on their own expense.

Qualifying Stages of Work

There are primarily two stages of work for scholars after preliminary registration and before the final registration as candidate for PhD.

Stage One : Course Work

In the first stage, supervisor will guide him/her to select course work and develop a detailed research plan. A joint supervisor can be added anytime during the next 18 months.

Candidate will be required to take requisite course work with the suggestion of his/her supervisor. The subjects can be selected either one or multiple of three options:

- (i) Subjects offered by Design, Management and Technology at respective NIFT campuses
- (ii) Subjects from different institute like IIT/NIT/IIM/selected International institutes with whom NIFT has MOU
- (iii) Subjects through mass open online courses (MOOC), For eg.edx, Coursera, SWAYAM, Udacity, etc.

Minimum CGPA of 7.0 on a 10 point scale is required for continued candidacy of PhD Degree. CGPA below 6.5 will cause termination of registration with immediate effect. However, if the CGPA is above 6.5 but less than 7.0, the Scholar would be asked to take more courses in order to enhance their CGPA to 7.0 or above, subject to the condition that this should be achieved within next semester. Attendance of 75% is compulsory for each course undertaken.

Stage Two: COMPREHENSIVE EXAMINATION

After successfully clearing stage one, scholar will reach the second stage of work before qualifying to become a final registered candidate for PhD, the scholars will be required to take a comprehensive examination which will be

a combination of (a) an oral examination and (b) evaluation of the Research Proposal. This tests comprehension of the broad field of research and academic preparation and the potential to carry out the proposed research plan.

Scholar is permitted to give a maximum of two attempts to pass the comprehensive examination and should be able to compete it within 18 months for full time and 24 months for part time scholar from date of joining the programme, failing which his/her registration will be cancelled. Scholar shall be formally registered as a candidate for the PhD Degree after he/she has successfully completed stage one and stage two of work. Scholar will be required to renew the registration every semester till the submission of the Pre-PhD seminar/synopsis.

The renewal of registration every semester shall be subject to completion of specified number of credits/courses and satisfactory progress in research work as recommended by Supervisor. Scholar shall be monitored by PhD scholars Progress committee (PSPC). Scholar will submit a progress report at the end of every odd semester to supervisor(s) for monitoring of the progress of research work. At the end of every even semester, the candidate will present Research Progress Seminar (RPS). In the event of getting two consecutive unsatisfactory grades in RPS by any scholar, the registration will stand terminated.

Pre-PhD Seminar/Synopsis

On completion of the research work, the Scholar shall submit a synopsis including bibliography of research work to his/her Supervisor. It is essential for the Scholar to hold Pre-PhD seminar before his/her Synopsis is considered. The Synopsis will be examined by a panel of experts. The result of the Pre PhD seminar will decide the further course of action for the Scholar.

Thesis Submission

The Scholar will be required to submit the thesis within a minimum of 2 months and maximum of 9 months after declaration of the result of the Pre PhD Seminar.

Thesis Evaluation

Submitted thesis will be examined by two examiners, scholar will be recommended for viva-voce examination on the basis of the thesis evaluation. In case scholar has been advised to submit a revised thesis, the same may be done within a period of one year from the date of communication.

AWARD OF PhD DEGREE

A Scholar, who has been recommended for viva-voce examination on the basis of thesis evaluation, shall be required to defend research undertaken before an Oral Defense Committee. The Committee may recommend the awarded of the degree or suggest corrections/modifications to be incorporated in the thesis or the degree may not be awarded.

Fee Structure for PhD Scholars:

Particulars	Part Time PhD in Rs.	NIFT Teaching Fellows (Full Time PhD) in Rs.	Self Financed/ Sponsored/ Study Leave (Full Time PhD) in Rs.
TUITION FEE (To be paid every semester, Non-refundable)	66000	0	77000
LIBRARY FEE (Per Year, Non-refundable)	7800	7800	7800
MEDICLAIM & STUDENT DEVELOPMENT FEE (Per Year, Non-refundable)	3900	3900	3900
EXAM FEE (Per Year)	3900	3900	3900
TOTAL	81600	15600	92600
ONE TIME PAYMENT			
SECURITY DEPOSIT (Refundable)	9900	9900	9900
REGISTRATION FEE	9300	9300	9300
TOTAL	19200	19200	19200
TOTAL TO BE PAID AT THE TIME OF ADMISSION	100800	34800	111800

FEE STRUCTURE FOR NRI

Particulars	Part Time PhD in Rs.	NIFT Teaching Fellows (Full Time PhD) in Rs.	Self Financed/ Sponsored/ Study Leave (Full Time PhD) in Rs.
TUITION FEE (Non-refundable, per year)	378000	0	441000

LIBRARY FEE (Non-refundable, per year)	43300	43300	43300
MEDICLAIM & STUDENT DEVELOPMENT FEE (Non-refundable, per year)	27700	27700	27700
EXAM FEE (Per Year)	3900	3900	3900
TOTAL	452900	74900	515900
ONE TIME PAYMENT			
SECURITY DEPOSIT (One Time, Refundable)	9900	9900	9900
REGISTRATION FEE (One Time)	9300	9300	9300
TOTAL	19200	19200	19200
TOTAL AT THE TIME OF ADMISSION	472100	94100	535100

Foreign students must show proof of financial support for the duration of the PhD enrollment.

Assistance from NIFT

50% tuition fee waiver will be extended to the NIFT employees (regular and contract) pursuing PhD at NIFT. In case the contract of the employee is not renewed during the course of research for any reason, the Scholar would not be eligible for the 50% tuition waiver henceforth.

50% tuition fee waiver will also be extended to scholars admitted to PhD programme from other Government Organizations/ Institutions under MOT.

Additionally, the NIFT employees are also allowed a waiver of Security Deposit, Library Fee and Mediclaim & Scholar Development Fee. Also financial assistance may be extended for NIFT employees (regular and contract) for product development, experimentation and thesis documentation.

How to Apply: Submission of Application Form

Candidates must apply online at <https://applyadmission.net/nift2020phd>.

Candidate has to dispatch the printed Application Form along with the supporting documents duly attached, to - Project Manager-CMS, All India Management Association (AIMA), 15 Link Road, Lajpat Nagar-Part 3, New Delhi-110024.

Applicant should follow the prescribed procedure step by step for online submission of application. Candidates should scan and upload photo copies of required certificates wherever asked for. The Application fee has to be paid through online net banking.

- Non-Refundable Fee for General/OBC (Non-Creamy) Category: Rs. 2300/-
- Non-Refundable Fee for SC/ST/PWD Category: Rs. 1300/-

An alternate payment option, candidate can submit application fee through NEFT/RTGS/IMPS in following bank account:

Account Name- NIFT GENERAL A/C

Account No -340602050000022

Branch Address - 1, Green Park Extension, New Delhi-110 016

IFSC Code - UBIN0534064

Contact for further queries:

Ms. Upinder Kaur

Associate Professor (KD) & Unit Incharge (Research)

NIFT Campus, Hauz Khas, New Delhi-110 016

Tel: 011-26542209

Email: ui.research@nift.ac.in

PLEASE NOTE

1. Application forms incomplete in any way or not having required educational/ experience certificates or the latest photographs are liable to be rejected without intimation.
2. The duly filled form should reach the above address on time. Incomplete forms or forms received late will not be accepted. The institute does not take any responsibility for delay or loss of forms or correspondence in postal transit or by courier.
3. Candidates are advised to keep a print out/photocopy of Application Form for further reference along with proof of payment.
4. Prior to making the payment candidate can edit/amend the information in the online application. Once the payment has been made by the candidate he/she will not be allowed to change/modify any information by the system.
5. Application fee already paid will not be refunded in case the application is found not eligible for admissions to NIFT after editing /updating of the application form.

6. It is the sole responsibility of the candidate to provide correct information during the application process. At any stage if it is found that the information provided by the candidate is not true, NIFT has the right to cancel his/her candidature. Any direct or indirect attempt to influence the management and employees of the institute will lead to automatic disqualification of the candidate.

7. After closing the window to edit the application form/registration category filled up in the application form will not be changed at any stage. Therefore, candidates are advised to fill-up the application form with due diligence.

Calendar of Activities

Particulars	Timeline
Admission Guidelines on NIFT Website	03-02-2020
Submission of Online Application starts from	03-02-2020
Submission of Application forms on or before	02-03-2020
Receipt of printed Application form alongwith self attested supporting documents on or before*	09-03-2020
Updation of Application status for eligibility	25-03-2020
Release of admit cards	09-04-2020
Written test **	19-04-2020
Announcement of written test on NIFT website	1st week of May, 2020
Research Proposal Presentation and Interview**	27-05-2020 28-05-2020 29-05-2020
Announcement of Results	4th week of June, 2020
Registration and payment of fees on or before	15-07-2020
Semester starts	As per NIFT academic calendar

* Printed Application Form along with the supporting documents duly attached to be sent to – Project Manager-CMS, All India Management Association (AIMA), 15 Link Road, Lajpat Nagar-Part 3, New Delhi-110024.

* *Written test and Research Proposal presentation & Interview will be held in New Delhi.

Documents to be attached/uploaded with application form

Document	Required to be submitted by
<p>Self attested copies of the following:</p> <ul style="list-style-type: none"> • Class X mark sheet • Class X DOB certificate • Class XII mark sheet • Bachelor's Mark sheet • Bachelor's Degree • Master's Mark sheet (If applicable) • Master's Degree (If applicable) • Score card UGC-NET, CEED, CSIR (JRF) or equivalent(If applicable) • SC/ST, OBC certificate (non-creamy/ creamy latest)- if applicable 	All Applicants
Format 1 Research proposal	All Applicants
Format 2 consent of NIFT PhD supervisor	All Applicants
Format 3 Undertaking – not employed on the rolls (with or without pay) of any organization	Those applying to Full Time PhD- NIFT Teaching Fellow category
Format 4 Employer's consent for Study Leave	Those applying to Full Time PhD-Study Leave/Self Financed category
Format 5 Sponsorship certificate	Those applying to Full Time PhD-Study Leave but being sponsored by the employer they are working for
Format 6 - No Objection certificate from employer	Those applying for Part Time PhD programme Full Time PhD-Study Leave/ Sponsored candidates
Format 7 - Request letter for exemption from written test	<p>PG Applicants(qualifying in CGPA criteria) with minimum 10 years of professional experience (teaching/working) in the areas of research relevant to NIFT</p> <p style="text-align: center;">&</p> <p>Masters degree holders who have minimum 10 years of experience and have cleared UGC NET, CEED, CSIR(JRF) similar tests and hold a valid score will be exempted from written test</p>
Work experience Certificate(s)	<p>Masters Degree holders in a discipline not relevant to the areas identified by NIFT</p> <p style="text-align: center;">&</p> <p>Bachelors degree holders in the relevant area of Design, Management or Technology (or) equivalent qualification from an institute/university of national/ international repute</p>

Format 1 - Research Proposal

The research proposal must include:

- Statement of Topic of research (not more than 100 words)-focus of research, research problem it will address and contribution to knowledge the topic will make.
- Review of Literature (not more than 200words)-Overview of key research on the topic and gap in knowledge that the topic will address.
- Objectives of research
- Research Methodology-Explain the research methods that you will employ to achieve the stated objectives and methodology for data collection and analysis.
- Expected Research Contribution to the field/industry
- List of References

Format 2 - Consent letter of NIFT PhD Supervisor

I _____; faculty in NIFT_____ (Campus) hereby give my consent to be the PhD supervisor of _____ if he/she is selected for the PhD programme.

Signature

Name

Designation

Date

Place

Format 3 - Undertaking to be given at the time of admission by those applying for NIFT Teaching Fellowship

I, Mr/Ms. _____
applicant for the full time PhD Programme of National Institute of Fashion Technology, Year _____ hereby undertake that I am not on roll of any organisation and I am not drawing salary from any organization. I understand that if the above information given by me is found to be false, my candidature in NIFT Full Time PhD will be cancelled.

Signature of the Applicant

Date

Place

Format 4 - Employer's Consent to Grant Study leave if Candidate is selected for NIFT PhD Programme

(To be typed on letterhead of the Institution/organisation)

To,

The Dean (Academics),
NIFT-HO,
New Delhi.

Sub: Study Leave

This is to certify that Mr./Ms. _____ S/o Sh _____ is; R/o _____ working with _____. The organisation has no objection to for his/her attending Doctoral Programme at National Institute of Fashion Technology and will be granted study leave of 2 years from the day of admission of the candidate in NIFT PhD Programme as a full time candidate.

Date

Place

Signature of Authorised Signatory: _____

Name

Designation

Seal of the organisation

Format 5 - Sponsorship letter for Full-Time PhD Candidates

(To be typed on letter head of the sponsoring organization)

To,

The Dean (Academics),
NIFT-HO,
New Delhi.

Sub: Sponsoring of an Employee for PhD programme

Dear Sir/Madam

We hereby sponsor the candidature of Mr./Ms. _____
_____, employed in our organization as
_____ (designation) for joining his/her PhD Programme
in _____ at your Institute as a full-time candidate.

He/ She is employee of our organization since _____. We shall bear the total expenses of his/her studies. We shall fully relieve him/ her of his/her duties in the organization during the entire period of the PhD programme, to enable him/ her to devote full time to his/her studies in the Institute.

Date

Place

Signature of Authorised Signatory: _____

Name

Designation

Seal of the organisation

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Format 6 - No Objection Certificate

(for Part Time Candidates and Full Time-Study leave/Sponsored candidates)

Date

No Objection Certificate

This is to certify that Mr./Ms. _____ S/o
Sh _____ is; R/o _____
_____ working with _____
has no objection for his/her attending PhD Programme at National
Institute of Fashion Technology, New Delhi (if selected)

Place:

Authorised Signatory: _____

Note: It should be printed on organisation's letter head with organisation's seal.

Format 7 - Request letter for exemption from written test.

I would like to be exempted from written test as I qualify for exemption because I am PG Applicant (qualifying in CGPA criteria) with minimum 10 years of professional experience (teaching/working) in the areas of research relevant to NIFT. My experience certificates are being submitted with application form.

OR

I am Master's Degree holder who has minimum 10 years of experience and have cleared UGC NET, CEED, GATE, CSIR (JRF) similar tests and hold a valid score will be exempted from written test. My experience certificates and valid score of (UGC NET, CEED, CSIR-JRF/ similar tests) are being submitted with the application form.

Format 8 - Undertaking to be given at the time of applying for Provisional Admission for PhD Programme

I _____ (name of the candidate) son/daughter/wife of _____ (Father's/Husband's name) resident of _____ (Permanent address) seeking admissions to PhD Programme of NIFT, hereby solemnly affirm and declare:

1. That I have appeared in the BA/B.Com/B.SC/M.F.Tech/M.Sc./M.A/M.Des. etc. final semester/final year (name of the qualifying (Board/university), the result of which has not yet been declared.
2. I undertake to submit the qualifying mark sheets/certificate by 30.9.2020 failing which the provisional admission shall stand cancelled without any further notice to me.
3. That I have carefully gone through the rules regarding provisional admission and I fully understand that in the event of failure to submit the documents as in above provision, the provisional admission to the said course will be automatically cancelled and full deposited fee will be forfeited.

Signature of the Applicant

Date

Place

NIFT PhD Admission 2020
Subject Areas of Written test

<p>Research Aptitude</p>	<ul style="list-style-type: none"> • Types of research- Exploratory research, Conclusive research; The process of research; Research applications in Design and business sciences. • Defining the Research problem; Writing a research proposal, types of research proposals. • Meaning of Research Designs; Nature and Classification of Research Designs; Exploratory Research Designs: Secondary Resource analysis, Case study Method, Diagnostic study, Expert opinion survey, Focus group discussions; Descriptive Research Designs: Cross-sectional studies and Longitudinal studies; Experimental Designs, Errors affecting Research Design • Classification of Data; Secondary Data: Uses, Types and sources; Primary Data Collection: Observation method, Focus Group Discussion, Personal Interview method. • Types of Measurement Scales; Attitude; Classification of Scales: Single item vs Multiple Item scale, Comparative vs Non-Comparative scales, Measurement Error, Criteria for Good Measurement • Questionnaire method; Types of Questionnaires; Process of Questionnaire Designing; • Sampling concepts- Sample vs Census, Sampling vs Non Sampling error; Sampling Design- Probability and Non Probability Sampling design; Determination of Sample size- Sample size for estimating population mean • Descriptive vs Inferential Analysis, Descriptive Analysis of Univariate data- Analysis of Nominal scale data with only one possible response, Analysis of Nominal scale data with multiple category responses, Analysis of Ordinal Scaled Questions, Measures of Central Tendency and Measures of Dispersion. • Testing of hypothesis • Research Report Writing • Meaning of Research Ethics; Clients Ethical code; Researchers Ethical code; Ethical Codes related to respondents; Responsibility of ethics in research
<p>Communication Skills</p>	<p>Grammar correction, re-ordering of sentences, reading comprehension, vocabulary, word replacements</p>
<p>Logical Reasoning</p>	<p>Understanding the structure of arguments; Evaluating and distinguishing deductive and inductive reasoning; Verbal analogies: Word analogy-Applied analogy; Verbal classification; Reasoning Logical Diagrams: Simple diagrammatic relationship, multi-diagrammatic relationship; Venn diagram; Analytical Reasoning.</p>
<p>Research Disposition</p>	<p>Contemporary areas of research and issues in textile, fashion, lifestyle, apparel, craft and any other related field</p>

National Institute of Fashion Technology
Ministry of Textiles, Government of India

Hauz Khas, New Delhi-110 016
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