

ADMISSION BROCHURE 2016

FELLOW PROGRAMME



NATIONAL INSTITUTE OF INDUSTRIAL ENGINEERING
MUMBAI

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Message from Director

National Institute of Industrial Engineering (NITIE) aims at providing best quality education and training in the field of Industrial Engineering. Since its establishment in 1963, NITIE has served as a cornerstone in imparting knowledge and producing leaders that contribute to making a difference to the world around them. Being a one of a kind institute, we aspire to keep at par with evolving industrial needs.

We offer Post Graduate Diploma in Industrial Engineering (PGDIE), Post Graduate Diploma in Industrial Management (PGDIM), Post Graduate Diploma in Project Management (PGDPM), post Graduate Diploma in Industrial Safety and Environmental Management (PGDISEM) and Post Graduate Diploma in Manufacturing Management (PGDMM). These flagship programs are based on synergy between academia and industry. The dynamic curriculum stimulates young minds and makes them competent to deal with industrial challenges.

We also offer Fellow (Doctoral) Programme in different domains of industrial engineering. It gives me immense pleasure to state that we are on a concrete path in the field of research. We aim to bring research to the foreground of our academic programs and intend to make our stand in contributing towards research in industrial applications.

Students at NITIE are exposed to a variety of knowledge that helps them in making a unique identity and creating a niche for themselves in the corporate world. NITIE with its beautiful campus, aptly called as “God’s own campus” provides not only education, but an experience to be cherished.



Prof. Karuna Jain
Director

Messages from Deans



Our Fellow Programme encourages and advances methodologically sound interdisciplinary empirical research along with industry-academia interface. We feel proud of our Fellow Alumni who are contributing significantly in academia, research and in the corporate sector alike.

Prof. Vijaya Gupta
Dean Academics

The fellow programme at NITIE prepares students for careers in industry and academia. With strong research base, excellent infrastructure facilities and experienced faculties, NITIE offers fellowship in various fields like marketing, finance, operations, human resources, industrial engineering and project management. The students at NITIE are encouraged to develop knowledge and skills to become profound leaders in the dynamic world.



Prof. Karuna Jain
Dean Sponsored Research & Industrial Consultancy



The Fellow Programme provides a platform for research students to develop knowledge and enhances skills required to solve complex industrial problems with their innovative solutions.

Prof. Ashok K. Pundir
Dean Student Affairs



NITIE believes in holistic development of students and encourages them to develop a strong research orientation. Students are guided to participate in conferences and seminars to enhance knowledge and learning. The Fellow programme prepares them to become leaders and thinkers in both industry and academia.

NITIE believes in providing world class education to students by providing the best faculty and state of the art infrastructure and resources. The students are admitted through a rigorous selection process and are given immense opportunities to develop management skills that can help lead organizations.

Prof. L. Ganapathy
Dean Administration

Message from Professor in charge Placements

NITIE has always been a unique institute in the field of higher education. The Fellow Program is the doctoral program of NITIE, Mumbai that admits students who have a strong academic background, are highly motivated and who have the intellectual curiosity to undertake original research. The doctoral program prepares students for a career in academia or research positions in industry. We, at NITIE, strongly value our unique blend of talented faculty members, rich academic content, ample industrial exposure and a state-of-art infrastructure. Since inception, the focus of NITIE has been towards education, research and strengthening the knowledge base. In a world, where change and innovation are the basic necessities, NITIE teaches its students to ingrain innovativeness as a way of thinking.



Prof. Vivek Khanzode
Professor in charge Placements

Message from Fellow Programme coordinator



The Fellow Program is one of the flagship programmes of NITIE. Our scholars pursue cutting edge research in interdisciplinary areas of industrial engineering and management to become the next generation of thought leaders in research, education and industry. If you have a passion for research and aptitude to think, write, teach and debate, I hope you will consider applying to FELLOW programme.

Prof. Shirish Sangle
Fellow Programme Coordinator

Message from Professor in charge Admissions



The Fellow Programme at NITIE involves extensive coursework in practical areas of business, industrial and social issues. We strengthen our students through holistic, transformative and innovative education that inculcate them with research skills and broaden their thought process. To expand the frontiers of existing and classical theories, our faculty focuses on thought leadership through research and case writing, which results in publication of articles in leading academic and practitioner-oriented journals, books, case studies, symposia and conferences.

With contribution to the creation of knowledge with joy enriching journey of research, we encourage you to be a part of the NITIE.

Prof. Priyanka Verma
Admissions In-charge

NITIE- a place to learn and grow

Over the last five decades, NITIE has developed a symbiotic relationship with the industry that helps it serve the industry better upholding its motto of “Udyog Pragati”. NITIE is governed by the Board of Governors comprising eminent personalities from the industry, government, labour and professional bodies. NITIE has been consistently ranked among the top notch institutes imparting Industrial Engineering and Management education.

NITIE offers following programmes:

- ✚ **Fellow Programme (Doctoral level)**
- ✚ **Post-Graduate Diploma in Industrial Engineering (PGDIE)**
- ✚ **Post-Graduate Diploma in Industrial Management (PGDIM)**
- ✚ **Post-Graduate Diploma in Industrial Safety & Environmental Management (PGDISEM)**
- ✚ **Post-Graduate Diploma in Manufacturing Management (PGDMM)**
- ✚ **Post-Graduate Diploma in Project Management (PGDPM)**

Annually, NITIE trains over 2000 professionals through its various week long Management Development Programs (MDPs) and the Unit Based Programs (UBPs) in different areas of Industrial Engineering and Management. NITIE is also engaged in applied research and offers professional consultancy services in various facets of Supply Chain Management, Operations Research, Information Systems, Marketing, Finance, Human Resources, Industrial Engineering, Environmental Management, Ergonomics, Information Technology Management and other management and productivity related fields.

NITIE fosters the capacity for value based leadership, the aptitude for innovative thinking and confident decision-making, the ability to communicate effectively and helping them collaborate thus equipping them for a promising future.

The unique pedagogy of interactive classroom lessons coupled with real-world practical learning experiences, both faculty and peer-driven, provides the students with the right foundation to take on the challenges posed by the corporate world and respond effectively and efficiently.



NITIE rankings

- ✦ Ranked 9th in Outlook magazine's list of India's top 100 B-schools, 2015
- ✦ Ranked 2nd among top government B-schools of India by CSR survey, 2015
- ✦ Ranked 12th best B-school of India by Business today, 2014
- ✦ Recognized as a "Centre of Excellence" along with the IITs, IIMs and IISc by the Ministry of HRD
- ✦ NITIE was honoured with 2nd Prize of "Rajbhasha Keerti Award" by Honourable President of India, 2015
- ✦ NITIE was awarded as the "Best B-School with Industry Related Curriculum in Operations Management" by ABP News National B-School Awards, 2015
- ✦ Received "Outstanding B-school (west)" award in Lokmat National Education Leadership, 2015
- ✦ Ranked 2nd as Top B-schools by Placements by Higher Education Review beyond IIM's Top B-School Survey, 2014
- ✦ Ranked 1st as Top B-Schools by Infrastructure and Facilities by Higher Education Review Beyond IIM's Top B-School Survey, 2014
- ✦ Ranked 2nd in Higher Education Review beyond IIM's Top B-School Survey, 2014
- ✦ Received "Innovation in Building Academic & Industry Interface" award in DNA and Stars B-school Awards, 2014
- ✦ Ranked 2nd in "Go-Getter" Best B-school survey, 2014
- ✦ 22nd Dewang Mehta Business School Award for "Business School with Best Academic input (syllabus)" in Marketing
- ✦ Ranked number 1 B-Schools for "MBA in SCM/Operations" in India by Career Anna Rankings, 2014



Vision, Mission and Milestones

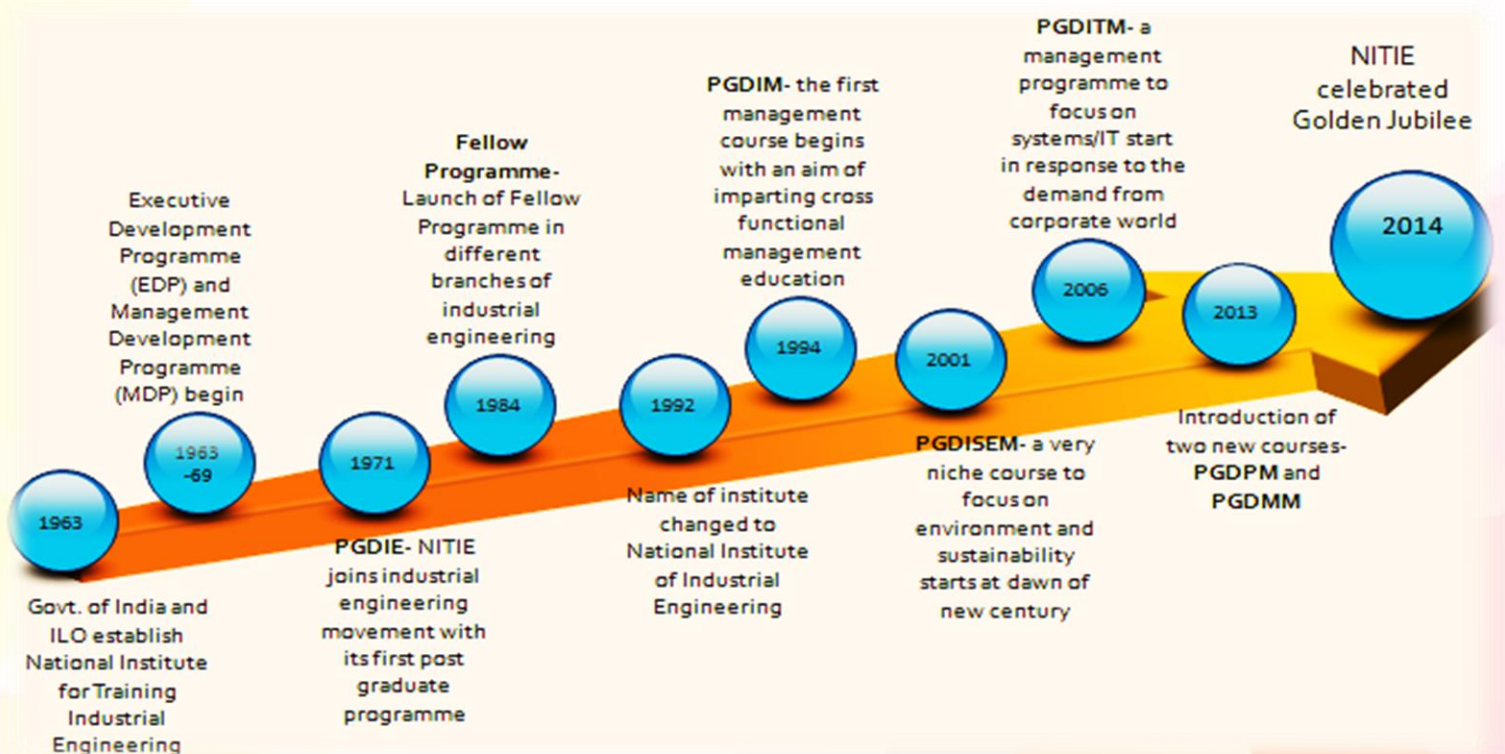
Vision

“To be the thought leader in Industrial Engineering education and research, and partner in the manufacturing renaissance of the nation”.

Mission

To advance transformative education and industry inspired research in Industrial Engineering

Milestones



MOUs signed

1. **Ecole Centrale De Ville, France (10th Feb 2015)** - Collaborative teaching and research activities
2. **Strategic HRM India Pvt. Ltd. (9th July 2014)** - Indian Project Environment & Manufacturing
3. **Tata Institute of Social Sciences (TISS), Mumbai (7th July 2014)** - Socially Relevant project, Social Research on Problems of Women and Youth, Environment Management and Micro Small and Medium Enterprises (MSME)
4. **Indian Institute of Technology (IIT), Bombay (2nd June 2014)** - Promote Interest in Joint Research activities related to Science, Technology and Management
5. **National Institute of Food Technology Entrepreneurship and Management (27th May 2014)** - Project Management and Manufacturing in Food Processing and Food Value Chain
6. **College of Engineering, Pune (30th April 2014)** - Developing competitive PM area and joint guidance of PG and PhD program
7. **Crompton Greaves (15th April 2014)** - Development of Research labs related to Industrial Engineering, Manufacturing Management, Project Management, Technology, Innovation, Simulation etc
8. **TVS Motors (8th April 2014)** - Enhance execution capacity of TVS Motor through Project Consultancy, Open Training programs etc.
9. **National Productivity Council, New Delhi (27th March 2014)** - Joint effort for Industrial Interactions, Promotion of Productivity Knowledge and Practices through programs and publications
10. **PEC University, Chandigarh (14th March 2014)** - Joint guidance of PG project and PhD thesis
11. **Indian Institute of Industrial Engineering (24th February 2014)** - Joint effort for Industrial Interactions, Promotion of Productivity Knowledge and Practices through programs and publications
12. **Larson and Tubro (20th February 2014)** - To develop symbiotic industry and academic relationships
13. **VJTI, Mumbai (4th December 2013)** - To perform collaborative programmes in the areas of mutual interest.

List of Centres at NITIE

1. Centre for Knowledge Management
2. Centre for Environmental Studies
3. Centre for Supply chain Management
4. Centre for Technology Innovation Management
5. Centre for SMEs
6. Centre for Entrepreneurship
7. NITIE Centre for Communication Studies

Objectives of the Fellow Programme

Programme objective

The **Fellow Programme of NITIE** is a Doctoral level programme with a view to mould individuals with an aptitude and inclination for research to become competent for a career in academics, research, business, and consulting.

Nature of the programme

The fellow programme is multi-disciplinary and broad based in nature spanning different facets of contemporary academic, industrial, business and social issues in research. In addition to direct candidates, the Programme encourages Sponsored candidates from Academic Institutions, Universities, Government, Industry and other organizations.

Copy editing fees

Direct candidates are eligible to get 2 manuscripts of their research papers copy edited where in the fees will be borne by NITIE. The student can avail of this facility for any 2 papers within the time frame of doing his / her fellowship.

Supervision of the programme

The supervision of the Fellow Programme is entrusted to the Board of Research, NITIE, which is a sub-committee of the Academic Council, NITIE. Director, NITIE is the Chairman of the Academic Council and Dean (Research) is the Chairman of the Board of Research.

Prospective candidates for the programme

Prospective candidates are all eligible candidates with sound academic background and research potential who wish to pursue the fellow programme at NITIE. A candidate can apply as either direct or sponsored depending on the financial assistance expected from NITIE.

Regular full time candidates

Direct candidates at NITIE are entitled to financial assistance as per Government of India from NITIE rules and must record their daily attendance. They must not take up any employment, either full-time or part-time while they are drawing scholarship from the Institute.

Sponsored candidates

Sponsored candidates are those who wish to pursue the fellow programme simultaneously with their full-time employment in Academic Institutions, Universities, Government, Industry and other organizations. Sponsored candidates should fulfil residential stay requirement of one year at NITIE campus and complete the prescribed course work during the semester I and II after admission.

Eligibility for admission

Regular candidates

Regular candidates with a Master's Degree or equivalent in Engineering / Technology / Management / Economics / Commerce / Social Sciences / Pure Sciences, CA/ICWA and ACS with First Class from recognized University/Institution will be considered for admission to Fellow (Doctoral) Programme.

Those appearing for their final year examination in the respective discipline can also apply. Such candidates, if selected, will be provisionally admitted provided they complete all requirements for obtaining their Master's degree before **16th June 2016**. The admission of these candidates will remain provisional until they produce the mark sheet providing that they satisfy the eligibility criteria. The deadline for submitting the final year mark sheet is **30th December 2016**.

Sponsored candidates

Sponsored candidates with a minimum of two Years experience in Industry / Academic / Government and having above mentioned (as required by direct candidates) eligibility criteria will be considered for admission. Sponsored candidates must submit the "Sponsorship Certificate" in the specified format from their employer along with their application. The Financial implications and responsibilities of the sponsoring organization towards providing leave and facilities are detailed in the "Sponsorship Certificate".

Application process

Interested candidates can apply to NITIE through online mode only. For details and instructions, please visit NITIE's official website: www.nitie.edu

Application fee of Rs.1000/- (Rs.500/- in case of SC/ST/PwD candidates) and applicable bank charges to be directly paid online.

Once you submit your application, you will be given a unique "Application Form Number" and taken to a confirmation page, where you can take a printout of your application form.

Applicants are required to upload research proposal (1500 words) in PDF format for their selected research areas (maximum three research areas can be selected from the list given on Program Details Page).

At this stage, candidate need to fill up on-line application form, on-line payment and upload research proposal of about 1500 words on the area(s) of research interest

Admission process

Stage 1: Initial Screening and Shortlisting

Initial screening of the Fellow applicants will be done based on the educational qualification mentioned in the ELIGIBILITY criteria mentioned in the advertisement. Further shortlisting of the fellow applicants will be based on the evaluation of Research Proposal submitted by the Fellow applicants during the application stage.

Stage 2: Selection Process for Shortlisted Candidates

a) NITIE Admission Test and Writing Skill Test

Shortlisted candidates will appear for NITIE admission test and a Writing Skill test at the institute. The NITIE admission test will have three sections namely Analytical skills, Logical reasoning and Research aptitude. For writing skills, fellow applicants will be asked to write summary (150-200) words of a research article.

b) Research Presentation and Personal Interview

A candidate has to appear for a Research Presentation and Personal Interview. Research presentation will be based on the research proposal submitted by the fellow candidates. This would be followed by a personal interview which will be based on subject knowledge, motivation for doing research, communication skills and overall assessment.

c) Past Academic Performance

The decision of the selection committee regarding admission shall be final. Communication will be sent only to the selected candidates. The institute will not entertain any queries or correspondence in respect of those not selected.

One printed application form duly signed and affixed with a photograph attested by the Head of the Institution/Organisation/Head of the Department where the candidate is studying / working. (In case the applicant is away from his 'parent institution'/ not employed anywhere, he may obtain attestation from a Gazetted Officer) need to be

brought at the time of NITIE test and Research presentation and personal interview along with the following enclosures.

- a. A write-up of research proposal **not more than 1500 words**
- b. Sponsorship Certificate for **Sponsored candidates** stating that the candidate will be relieved from the organization for one year and all the arrangements will be made by the organisation to enable the candidate to pursue the Fellow Programme.
- c. Copy of valid score of GATE/CAT /NET-JRF (**for Regular Full-Time Candidates**)
- d. Certificates in support of SC/ST/PwD (If applicable)
- e. Self-attested copies of all the necessary certificates and 4 Photographs (3.5 cm × 7.5 cm).

Fee, Financial assistance and Contingency grant

Caution money, tuition fee, electricity and internet

Both regular and sponsored categories of research fellows must deposit, at the time of admission, a one-time caution money of Rs. 15,000/- This caution money deposit is refundable after deduction of dues, if any, either upon successful completion of the fellow programme or upon withdrawal from the fellow programme.

Both regular and sponsored category of research fellows are required to pay tuition fee at the rate of Rs. 500/- per month which is not refundable. Hence, at the time of admission, an amount of Rs. 6000/- will have to be paid as tuition fees for the first year. Subsequently, tuition fees are to be paid, in advance, at the beginning of every academic year on annual basis until the submission of the fellowship thesis.

Delay in payment of annual tuition fee by the research fellow beyond the 15 of July in an academic year will attract a penalty in the form of simple interest at the rate of 30 percent per annum calculated on a monthly basis.

Both regular and sponsored category of research fellows belonging to the SC / ST category are fully exempted from payment of tuition fee as per Government of India rules.

In addition, each research fellow residing in any of the NITIE hostels shall pay electricity and internet charges at the rate of Rs. 500/- per month (or part thereof) during the period of their stay in the hostel.

Amount of Financial Assistantship and grant for Regular

All students admitted with fellowship will receive Rs. 25,000/- during 1st and 2nd year of the Fellow programme and Rs. 28,000/- during 3rd and 4th year of the Fellow programme. No financial assistance is provided beyond 4 years.

In addition, a contingency grant of Rs. 30,000/- per annum is available to the direct category research fellows.

No monthly financial assistance is provided beyond the month of submission of the thesis report. If a Fellow student submits the thesis report before the completion of the 4 year, he/she will receive the contingency grant for that year calculated on pro-rata basis per month until and inclusive of the month in which the thesis report was submitted.

The amount and duration of scholarships, financial assistance and contingency grant provided to Fellow students are subject to change from time to time as per Government of India rules.

Eligibility for assistance

Monthly financial assistance and annual contingency grant is available to only regular candidates. Score of GATE / CAT /NET-JRF will be required for financial assistance.

Regular candidates must sign the daily muster roll for attendance to be eligible for financial assistance. In addition, they must submit a monthly progress report in the prescribed format duly certified by the guide(s) to claim the assistance every month.

No financial assistance, scholarship grant or contingency is available for fellow students in the sponsored category.

Duration of Fellow Programme

The fellow programme consists of the following stages: Course work, Literature Review - cum- Registration, Credit - cum -Progress Seminars, Synopsis Submission, Thesis submission and final viva voce examination. Since the financial assistance to fellow students is provided for 4 years, it is expected that the student should plan out the research activities so as to complete the research and submit the thesis during this period. Thus, a fellow student should complete the course work in first year and the literature review cum pre-registration seminar within the given time frame. As a guideline, a fellow student should plan and complete the three credits - cum - progress and research publications in second and third year, and synopsis and final thesis writing and submission in the fourth year.

Time limits for the Fellow Programme

The following conditions apply with respect to time limits:

A fellow student may submit his/her thesis only after a minimum of 2 years from the date of registration. The maximum time period allowed for the submission of the thesis is 5 years from the date of admission or 4 years from the date of registration, whichever is earlier.

If a candidate fails to submit the thesis within the above upper time limit due to the reasons beyond his/her control, he/she may apply to the Post Graduate Programme (PGP) Committee for an extension of time. The PGP committee may recommend an extension of time based on the merits of the case. A fellow student who is granted an extension of time needs to re-register to the programme by submitting an application in the prescribed form accompanied by a Re-registration fee of Rs. 2000/-. This re-registration will, however, be effective only for a period of two years beyond which no extension will be permitted.

The final decision on extension of time will be taken by the Director as Chairman, Academic Council.

Break or unauthorized absence from the programme

Any break or unauthorized absence from the programme before registration will lead to the cancellation of admission. Any authorized break or leave of absence will not be counted for the minimum period of 2 years stipulated for submission of the thesis but will be counted in the maximum period of 5 years permissible for submission of the thesis. Any authorized leave of absence from NITIE campus for the purposes of data collection or questionnaire survey will not be treated as break in study. The financial assistance for direct candidates in such cases will be governed by Government of India Rules and the final decision will be taken by the Director as Chairman, Academic Council.

Commitment from the sponsored students

Sponsored candidates must get relieved from their normal duties from the parent organization and be available on the campus for course work (two semester). In addition, fellow students in sponsored category must allocate adequate time for (i) regular interaction with their Guide(s) and members of his/her research progress review committee, (ii) periodical progress review of research, (iii) payment of annual tuition fee, and (iv) Adequate preparation for seminars, synopsis presentation and thesis writing.

Prescribed coursework and credit requirements

The faculty guide(s) will finalise the proposed area of research and the area recommends stream specific course(s) for the fellow student. The fellow student should

submit the stream specific course names for semester - I in the prescribed format to the academic section within the first week of admission to the programme.

Credit requirements

All fellow students will have to complete a minimum of 12 courses. If Guide/Area recommends additional courses to be completed by a fellow student then he/she should be encouraged to complete the same during the first year of fellow programme.

In partial fulfilment of the requirements of the fellow programme, a minimum number of credits are required to be earned through coursework and seminars as prescribed in Table No.1.

Research Enabling Courses: Building research skills

- ✚ A total of 7 courses should be taken during the first year of the fellow programme.
- ✚ These are categorized as Basic research skills and Special research skills.
- ✚ Both basic research skill and special research skill courses should be done during the first year of Fellow programme.
- ✚ Basic research skill courses comprising Research methodology, Statistics-I, Qualitative research, and Technical writing, Survey research.
- ✚ Review of Industrial Engineering and management.
- ✚ Special research skill courses are Quantitative Skills / Statistics II / Econometrics/Research Methodology-II
- ✚ Basic research courses are compulsory for the fellow students whereas fellow students would choose one special research skill based course.

Foundation Courses: Building perspective

- ✚ A total of 2 courses should be taken during the first year of the fellow programme.
- ✚ Suggested courses may be: (1) macroeconomics and (2) technology, business and environment (TBE).
- ✚ These are compulsory for all the fellow students and are fellow level courses. These courses could be seminar based or based on a term paper.

Stream specific courses: Building specialization

- ✚ A minimum of 3 courses should be taken during the first year of course work. Out of three, at least two courses should be from major area and one course may be from minor area.
- ✚ Stream specific courses are fellow level courses.

Area may advise how many courses to be taken by a fellow student; however each fellow student needs to do a minimum of three courses. Additional courses, if any,

fellow students may be encouraged to finish during the first year of the fellow programme.

Table No. 1: Credit requirement for Fellow Programme

	Title	Credits
Courses	Research Methodology-1	4
	Statistics 1	4
	Macroeconomics	4
	Review Of Industrial Engineering And Management	4
	Systems Approach To Management	4
	Stream Specific Course (Major Area-I)	4
	Research Methodology II	4
	Quantitative Skills/ Statistics II/ Econometrics	4
	Technical Writing	4
	Technology, Business And Environment	4
	Stream Specific Courses (Major Area II)	4
	Stream Specific Courses (Minor Area/ Major Area III)	4
	Total credits in coursework	48
Seminars	One literature review cum pre-registration seminar	
	Three credit-cum-course seminars of 4 credit each	12
	Total credits	60

Duration for earning credits

A research fellow should earn all the credits courses in two semesters beginning from July-April after admission in the programme. Further, a research fellow should earn rest of the credits specified in Table No.1 within a maximum period of three years from the date of admission to the programme. Extension after total of four years may be recommended by the Post Graduate Committee (PGC) for a period of one year with review of progress every six months. The final approval for extension will be given by the Director as Chairman, Academic Council.

Credit course requirement

The following are the credit course requirements in partial fulfilment of the requirements of the fellow programme, as shown in Table No.1.

A research fellow should undergo course work of 12 credit courses to secure a total of 48 credits in two semesters and it is attended as part of the one-year residential requirement at NITIE campus.

Subsequently, the research fellow should give one literature cum pre-registration seminar and three credit-cum-progress seminars each carrying 4 credits thus earning 12 credits these seminars.

Thus, a total of 60 Credits is to be earned by a research fellow during the programme.

Grading system of credit courses/ seminars

The minimum grade points required for passing in a credit course or seminar is 'C' (61 per cent).

I. Failure in Credit Course: A fellow student getting a grade less than 'C' in any course will be given one more opportunity to pass by repeating the examination. If the fellow student still does not pass in the course, then he / she will have to repeat the course in the next year. If the Fellow student still does not pass in the course, he / she will be liable for removal from the fellow programme.

II. Failure in Credit Seminar: A fellow student getting a grade less than 'C' in any credit seminar will be given one more opportunity to pass by repeating the seminar. If the Fellow student still does not pass in the credit seminar, then he / she will have to repeat the seminar after 3 months. If the Fellow student still does not pass in the credit seminar, he /she will be liable for removal from the fellow programme.

The final decision on removal of a fellow student from the programme will be taken by the Director as Chairman, academic council.

Registration of the research topics

Each research fellow needs to register his/her research proposal. The Registration procedure is given below:

Literature Review cum Pre-Registration

Each research fellow should give a LITERATURE REVIEW-CUM-PRE REGISTRATION SEMINAR (LRPRS) before a research progress committee (RPC) consisting of two or more examiners and faculty guide(s).

LRPRS will be given after completion of course works (Semester I and II). The research fellow should submit 6 copies of the registration report. This report will be about 15-20 pages, and include the following:

- I. proposed title of the thesis,
- II. Objectives of research,
- III. Literature review and gaps identified,
- IV. Proposed research area and scope of the study,
- V. Hypotheses, if any,
- VI. Framework and usefulness of the proposed research,
- VII. Methodology proposed for carrying out the research, and
- VIII. A list of references.

Registration is considered to be a very important stage for screening the candidate for further progress in the Fellow programme. In case the research fellow fails to successfully defend his/her research proposal, he/she will be allowed to resubmit the modified research proposal as suggested by the RPC. He/she needs to give a revised seminar based on the modified research proposal. In case he / she fails to defend it the second time, the research fellow will be liable for removal from the programme. The table is applicable for the 2016 batch is given below:

Course work	: July 2016 to April 2017
Literature review cum Pre-registration seminar	: on or before 31st December 2017
1st Credit-cum-progress seminar	: on or before 30th June 2018
2nd Credit-cum-progress seminar	: on or before 31st December 2018
3rd Credit-cum-progress seminar	: on or before 30th June 2019
Pre-synopsis seminar	: on or before 31st December 2019
Thesis submission	: on or before 30th June 2020

If the desired progress is not made by the student as per the above timelines, it may lead to cancellation of his/her admission. The final decision on removal of a fellow student from the programme or for time extension will be taken by the Director as Chairman, Academic Council.

Application for registration

The research fellow must apply for formal registration within one month after successful completion of the registration seminar. The application for registration must be made in the prescribed form and should be accompanied by the following:

- I. Title and summary of the research proposal approved during the registration seminar, and
- II. A registration fee of Rs.500/-.

Effective Date of Registration

The effective date of registration will be the date of registration seminar in which the RPC approves the presentation made by the research fellow, provided the research fellow has subsequently submitted his application for registration within the time frame.

General Regulations

- i. All fellow candidates are expected to be in continuous touch with their guides and report the progress made from time to time. The RPC can seek a periodical report of progress of the course work and research work from the candidate. Unsatisfactory progress in research will render the candidate liable to be removed from the programme.
- ii. The candidate shall pay the entire prescribed fee as and when it is due.
- iii. The courses prescribed but not successfully completed by the candidate may be reconsidered by the Guide and Research Progress Review Committee of the Fellow. They may suggest alternative course(s) depending upon the relevance of the course(s) to the research work of candidate.
- iv. The research fellow will face automatic disqualification and removal from the programme if he/she is found to be admitted to any other doctoral level programme.
- v. The Institute reserves the right to amend, modify or change regulation(s) as may be necessary, from time to time. All such changes will be binding on the research fellow.
- vi. In case of any dispute, the decision of the Director as Chairman, Academic Council shall be final.

Areas of Research

1. Decision Sciences & IT Systems
2. Economics and Strategy
3. Engineering Technology & Project Management
4. Environmental Engineering and Management
5. Finance & Accounting
6. Industrial Engineering & Manufacturing Systems
7. Marketing
8. Organizational Behaviour & Human Resource Management
9. Operations and Supply Chain Management

Alumni

Fellows (doctoral) of previous batches are well placed across top academic institutes and industrial organizations of India as well as abroad.

Omkarprasad S Vaidya

Assistant Professor, Operations Group, Indian Institute of Management Lucknow

The Fellow programme at NITIE has ingredients of practical and academic research. Here you get to know and understand and explore both these domains.

The program is designed at par to the best of the fellow programs in the world. I have many long lasting memories about NITIE to share. Wish its students the best.

Sayan Banerjee

Assistant Professor (Innovation Management Group), CIMP, Patna

NITIE Fellowship programme is an intense research experience with stringent deadlines, a tough and rewarding endeavour.

Rahul V Alterkar

Director Strategic Services, JDA, India

Research Title- Managing Supply Chain in Select Manufacturing Sector: A Critical Study with Reference to Supplier Partnership.

Maniyan P

Supply Chain Analytics, Accenture

Research Title- Solving Certain Flow Shop Scheduling Problem with and without Outsourcing

Infrastructural Support

NITIE believes that its students are the product of top notch engineering institutions and hence they deserve excellent support facilities. The infrastructural support it provides is just an expression of that belief. From the best-in-class hostel facilities to the state-of-the-art fitness centre, NITIE has it all.

Hostel

NITIE has an accommodation consisting of 5 hostel blocks and an MDP building for executives. NITIE boasts of the tallest hostel building in the country (Taylor Hall at 16 floors) which has been accommodating 800 students from this session. Every room is equipped with uninterrupted WiFi connectivity

Computer facilities

NITIE is equipped with excellent computing facilities to complement the classroom pedagogy. An 8 mbps leased line for LAN and another 8 mbps WiFi are available to cater to the internet requirements of the campus providing 24/7 connectivity. NITIE has acquired licenses for many educational softwares, thus helping students go beyond theoretical learning.

Fitness Centre and Ergonomics Lab

NITIE has a comprehensive state-of-the-art, fully air-conditioned fitness centre and ergonomics lab with world class equipment and a floor area of over 5000 sq. ft. The entire program is scientifically managed and executed on a strictly individualized basis to monitor and improve fitness levels.

Research facilities

To ensure all-round development of students, the campus has a basketball court and a lawn tennis court in addition to a ground for cricket and football. The hostels have facilities for table tennis and carrom. Televisions have been provided at every floor as well as in the common room.

Auditorium

NITIE houses a newly constructed, acoustically designed, fully air-conditioned, fully equipped auditorium. The auditorium is well suited for holding various corporate talks, cultural events, executive development programs and other academic and community activities. In addition, NITIE has fully functional auditorium with similar features and capabilities in the existing academic block.

Library

NITIE has a well-furnished library housing over 74,000 books, 9,800 bound volume periodicals and 250 journals in the field of Supply Chain, Operations, Systems and Information Technology, Marketing, Finance, etc. Additionally, various online services like CD Stacker, Indiastat, Science Direct, EBSCO, IEEE Publications, ACM publications, etc. are available. The vast reservoir of knowledge is a source of constant value addition to the students and plays a vital role in the intellectual pursuits of NITIE's academic community.



Faculty at NITIE

The Success of NITIE's education is largely anchored in its faculty as a key resource. A high calibre faculty ensures that the students receive maximum exposure to the latest insights and thinking from the industry. The members of faculty actively engage students with case based curricula, real world examples and strong academic theories. With a passion for the classroom, they are also experienced, dynamic and interactive group of knowledge leaders.

Members of faculty are drawn from diverse disciplines in humanities, technology and management. Many of them are highly distinguished professionals, trainers and leading authors in management.

The combination of broad experience and devotion to scholarship translates into a faculty that is committed to staying ahead in industry trends, countering the business' most complex challenges and imparting their knowledge to tomorrow's business leaders.

Decision Sciences and Information Systems



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Knowledge ERP Mgmt, Expert Systems,
IT Applications, e-CRM



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Engineering Technology and Project Management



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Finance and Accounts



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Marketing Management



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