MANDATORY DISCLOSURES 2020

1. ENGINEERING/MANAGEMENT PROGRAMMES

I.	NAME OF THE INSTITUTION	**NATIONAL INSTITUTE OF INDUSTRIAL ENGINEERING, P.O. NITIE VIHAR LAKE ROAD, MUMBAI 400 087 Tel : (022) 28573371- 78 Fax: (022) 28573251**
II.	NAME & ADDRESS OF THE DIRECTOR :	**Prof. M.K. Tiwari NITIE, Vihar Lake Mumbai 400 087 Tel: (022) 28573371- 78 Fax: (022) 28573251 e-mail: director@nitie.ac.in**
III.	NAME OF THE AFFILIATING UNIVERSITY:	**N.A.**
IV.	GOVERNANCE : Members of the Board and their brief background :	**As per Annexure I**
	Members of Academic Advisory Board :	**1. Director 2. All Faculty Members 3. External Members (5 Nos. from other reputed institutions of higher learning and industry)**
	Frequency of the Board Meetings and Academic Advisory Body :	**4 meetings in a year**
	Organizational chart and processes	**Details enclosed as ANNEXURE - II**
	Nature and Extent of involvement of faculty and students in academic affairs/improvements :	**Involved in teaching, research, training programmes and consultancy; also involved in placement, seminars and major events like Prerana, Lakshya, Sansmaran and other Extra Curricular activities.**
	Mechanism/Norms & Procedure for democratic/good Governance :	**1. Policy matters regarding Administrative Financial matters are governed by BOG, NITIE with nominees from Govt. of India. 2. Routine administrative matters in the Institute are governed by different committees nominated by the Director.**
	Student Feedback on Institutional Governance/faculty performance :	**It is in force at end of each Quarter/Module.**
	Grievance redressal mechanism for faculty, staff and students :	**It is in force.**

V. PROGRAMMES :

	Name of the Programmes	**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)

For each Programme the following details are to be given:

Year 2019-21 admissions

Name	Number of Seats	Duration	Cut off mark/rank for admission during last 3 years	Fee
Post Graduate Diploma in Industrial Engineering (PGDIE)	140 (including EWS)	2 years	General Category (GATE Score): 760, EWS category 760 and a minimum of 60% aggregate in engineering degree OBC – GATE Score: 684 and a minimum of 60% in engineering degree SC Category (GATE Score): 509 and a minimum of 55% in engineering degree. ST Category (GATE Score): 509 and a minimum of 55% in Engineering degree. PD Category (GATE Score): 509 and a minimum of 55% in Engineering degree.	Rs.3,40,000/- (Tuition fee) Per year
Post Graduate Diploma in Industrial Management (PGDIM)	308	2 years	General Category (CAT Percentile): 97 Percentile, EWS 95 Percentile and a minimum of 60% aggregate in engineering degree OBC Category (CAT Percentile): 87 and a minimum of 60% aggregate in Engineering degree. SC Category (CAT Percentile): 64 and a minimum of 55% aggregate in Engineering degree. ST Category (CAT Percentile): 64 and a minimum of 55% aggregate in Engineering degree. PD Category (CAT Percentile): 64 and a minimum of 55% aggregate in Engineering degree.	Rs.4,45,000/- (Tuition fee) Per year

Post Graduate Diploma in Industrial Safety & Environ-mental Management (PGDISEM)	42 (15 ISP + 24 Including General, SC,ST, & PD)	2 years	General Category (CAT Percentile): 94 Percentile, EWS 92 Percentile and a minimum of 60% aggregate in engineering degree OBC Category (CAT Percentile): 84 and a minimum of 60% aggregate in Engineering degree. SC Category (CAT Percentile): 62 and a minimum of 55% in Engineering degree. ST Category (CAT Percentile): 62and a minimum of 55% in Engineering degree.	4,45,000/- (Tuition Fee) Per year
Post Graduate Diploma in Manufacturing Management (PGDMM)	40 (General, SC,ST, PD & ISP)	2 years	General Category & EWS (GATE Score): 760 and a minimum of 60% aggregate in engineering degree OBC – GATE Score: 684 and a minimum of 60% in engineering degree SC Category (GATE Score): 509 and a minimum of 55% in Engineering degree. ST Category (GATE Score): 509 and a minimum of 55% in Engineering degree. PD Category (GATE Score): 509 and a minimum of 55% in Engineering degree.	Rs.3,40,000/- (Tuition fee) Per year
Post Graduate Diploma in Project Management (PGDPM)	40 (General, SC,ST, PD & ISP)	2 years	General Category & EWS (GATE Score): 760 and a minimum of 60% aggregate in engineering degree OBC – GATE Score: 684 and a minimum of 60% in engineering degree SC Category (GATE Score): 509 and a minimum of 55% in engineering degree. ST Category (GATE Score): 509 and a minimum of 55% in Engineering degree. PD Category (GATE Score): 509 and a minimum of 55% in Engineering degree.	Rs.3,40,000/- (Tuition fee) Per year

Placement Facilities:

We provide placement to all students of PG Programmes by inviting a large number of reputed companies for the placement talks during December and for placement interviews during the 1st week of January.

Campus placement in last three years with minimum salary, maximum salary and average salary, is given in the following Table:

Table : Campus placement in last three years

Year	Batch	Minimum Salary (Domestic/International (₹. in Lacs)/US$/AED	Maximum Salary Domestic/International (₹. in Lacs) /US$/AED	Overall Average Salary (₹.in Lacs)
2020	PGDIE	INR 10.50 (Domestic) KwD 9500 (Foreign)	INR 39.26 (Domestic) USD 82000 (Foreign)	20.90
	PGDIM	INR 10.00 (Domestic) KwD 9500 (Foreign)	INR 46.50 (Domestic) USD 82000 (Foreign)	21.82
	PGDISEM	INR 11.30 (Domestic) N/A	INR 27.00 (Domestic) N/A	16.22
	PGDMM	INR 10.00 (Domestic) N/A	INR 24.00 (Domestic) N/A	16.29
	PGDPM	INR 10.00 (Domestic) N/A	INR 28.00 (Domestic) N/A	19.30
2019	PGDIE	INR 12.00 (Domestic) 90000 AED(Foreign)	INR 30.00 (Domestic) 90000 AED(Foreign)	19.96
	PGDIM	INR 10.00 (Domestic) 90000 AED (Foreign)	INR 46.50 (Domestic) 90000 AED(Foreign)	20.65
	PGDISEM	INR 10.00 (Domestic) N/A	INR 25.50 (Domestic) N/A	15.34
	PGDMM	INR 10.00 (Domestic) N/A	INR 27.58 (Domestic) N/A	17.02
	PGDPM	INR 10.00 (Domestic) 90000 AED (Foreign)	INR 25.58 (Domestic) 90000 AED (Foreign)	16.99
2018	PGDIE	INR 7.00 (Domestic) 90000 AED (Foreign)	INR 46.50 (Domestic) USD 82000 (Foreign)	17.35
	PGDIM	INR 8.00 (Domestic) 90000 AED (Foreign)	INR 46.50 (Domestic) USD 82000 (Foreign)	19.86
	PGDISEM	INR 8.00 (Domestic) N/A	INR 25.00 (Domestic) N/A	15.14
	PGDMM	INR 7.00 (Domestic) N/A	INR 25.00 (Domestic) N/A	16.39
	PGDPM	INR 8.00 (Domestic) 90000 AED (Foreign)	INR 25.00 (Domestic) 90000 AED (Foreign)	15.71

Name and duration of programme(s) having affiliation/collaboration with Foreign University(s)/Institution(s) and being run in the same Campus along with status of their AICTE approval. If there is foreign collaboration, give the following details :

NOT APPLICABLE

VI. FACULTY :

Visiting Faculty, Adjunct Faculty, Guest Faculty

Name of the Guest Faculty

Mr. Jayesh Sadhwani
Mr. Vinay Emmanuel
Dr. Pallab Saha
Ms. Leonie Dmello
Prof. Vishal Rawal
Dr. Pallab Saha
Mr. Chidanand Tarai
Mr. Aral Prakash
Mr. MD Agarwal
Mr. Balaji Ramadura
Mr. Sumeet Prakash
Mr. Murugan Pugalenthi
Prof. Falguni Rolekar
Dr.Bishram
Mr. Amol Mate
Prof. Sanjeev Chachondia
Mr. S A Srinivasa Moorthy
Lt. Cdr.Dr. Vivekanand M Bankolli
Dr. Ashok Kumar Upadhayay
Mr. Soumitra Acharya
Ms. Nisha Jhaveri
Mr. Rajesh Mehta
Mr. Mitu Samar
Prof. Ajay Kumar Gupta
Dr. Rahul More
Dr. Chandan Chowdhury
Prof. Kamal Sharma
Rakesh Kumar Sinha
Ashok K Maitra
Aparna Vishwasrao
Prof. Anand GK/Prof. Ravindra Soni
Abishek Thakore/Sujata Deshmukh
Dr. Anita Shantaram/Krishna N Venkitaraman
Saikat Ghosh/Ms Riddhi Parikh Mehta
Prof. Anand GK
Mr. Samar Mittal / Ravindra Soni
Prof. Rajendra Nath Mehrotra
Mr. Amit Kumar
Vilasini Prashant Jadhav
Mr. Sachin Nair
Prof. Isaac Jacob
Ms.Jacqueline Pereira
Dr. Shipra Bhatia
Mr. Sanjeev Doshi
Mr. Kavindra Sharma
Mr. Rohit Mansaram Khairnar
Mr. Raj Onkar
Mr. Somnath Roy
Dr. Rahul Altekar
S A Srinivasa Moorthy
Hemachandra Bhovi
Mr. Rupesh Kumar Patil
Dr. Debmallya Chatterjee
Dr. Indrajit, IIT Bombay
Mr. Sushruth Apshankar, Pune
Prof. Mani K Madala
Dr. Suresh A Nadgouda
Mr. Chinmoy Kelkar
Prof.(Ms.) Jaya Mathew
Anant Amdekar
Prof. Debraj Ghosal
Prof. Masuma Merchant
Mr. Shiv Tiwary
Prof. Nikhil Kulkarni
Prof. Hemanth Kumar
Mr. Daksh
Mr. Vinod Durge
Mr. B Sreenivas

CURRICULUM VITAE

Prof. Manoj Kumar Tiwari, **FNAE, FNASc, FIIIE, FIISE (USA) FIETI (Hong Kong)**
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Prof. Manoj Kumar Tiwari (*FNAE, FNASc, FIIIE, FIISE, and FIETI*) has taken over as the Director, National Institute of Industrial Engineering (NITIE) Mumbai on Nov 05, 2019. He was a Professor with Higher Academic Grade (HAG) in the Department of Industrial and Systems Engineering at Indian Institute of Technology, Kharagpur. As a researcher, he is working in the domain of Manufacturing System and Supply Chain Management. His research and teaching interests are in modeling the Manufacturing Processes and Operations analysis in Supply Chain Networks. Optimization, Simulation and Computational Intelligence are the main techniques adopted by Prof. Tiwari to automate the decision support system for complex and large scale problems in Manufacturing and Logistics System. His research interests have been supported by several industries, national and international research funding agencies. He has published more than 321 papers (*Scopus H-index-45*) in the International Journals of repute and he has been rated as Rank 1 among top 100 individual researchers across the world who had published research articles in International Journal of Production Research (Taylor & Francis) during the time period 1985-2010 (*International Journal of Production Research*, Volume 51, Issue 23-24, 2013). He is also mentioned as Top leading author in the domain of Supply Chain Analytical Techniques by Journal of Computer & Industrial Engineering (Volume 137, 2019). Recipient of "Most Influential Researcher Award" in the domain of Operations and Supply Chain Management (Award is given during the Third Green Supply Chain International Conference, 2016 organized by School of Business and Economics, Loughborough University, London Campus. Prof. Sir Mike Gregory, Founder and Former Head of IFM, Cambridge University has presented the award). He is the Recipient of Mahalanobis Distinguished Educator Award from the Operations Research Society of India (*ORSI*), in the category of Management education (2017). Prof. Tiwari is Fellow of Institute of Industrial Engineers (*IISE, USA*), Fellow of Indian National academy of Engineering (*INAE, India*), and Fellow of National Academy of Sciences (FNASc, India). He is listed among Top 20 most productive authors in the area of Production and Operations Management as reported in the last 50 years (Published in a survey article in Int. Journal of Production Economics, 2009, 120, 540-551) and rated 2nd among many researchers working in Logistics and Supply Chain Management in India (Analysis of the logistics Research in India-White paper published in TU Dortmund University, Dortmund Germany-2012). He is serving as Associate editors of IEEE System, Man and Cybernetics- System,(SMC-S), International Journal of Production Research(Taylor & Francis), Computers and Industrial Engineering (Elsevier), International Journal of System Science (Taylor & Francis), Journal of Intelligent Manufacturing (Springer), Sadhana (Springer) and Neuro-computing (Elsevier) and Decision Support Systems (Elsevier). Prof. Tiwari is in the editorial board of several International Journals such as EJOR (2010-14), IJCIM, PPC, RCIM, IJAMT, JTS etc.

VIII. FEE

Details of fee, as approved by State Fee Committee, for the Institution. - **Approved by Board of Governors:**

FEE STRUCTURE FOR THE TWO-YEAR POST GRADUATE PROGRAME
Viz. PGDIE/PGDPM/PGDMM

Sr. No.	Fee Nomenclature	PGDIM/PGDISEM			
		1st Year Academic year (2019-2020)		2nd Year Academic Year (2020-2021)	
I	Academic charges*	₹	4,45,000.00	₹	4,25,000.00
II	Facilities charges	₹	1,45,000.00	₹	1,45,000.00
III	Student welfare and Alumni Activities Charges**	₹	63,000.00	₹	70,000.00
IV	Hostel charges	₹	60,000.00	₹	60,000.00
V	Deposits	₹	50,000.00	₹	
	TOTAL	₹	**7,63,000.00**	₹	**7,00,000.00**

*SC/ST students are exempted from payment of Academic charges whose annual family income is less than Rs.4.5 lakhs and such students shall have to pay all other fees, charges and deposits.

** Project & Placement facilities charges amounting to ₹.10,000/- not applicable to QIP and Industry Sponsored students.

Time schedule for payment of fee for the entire programme		**One-time annual payment.**

No. of Fee waivers granted with amount and name of students.

The 30%and 50% tuition fee waivers for 2014-2015 batch as approved by BOG, NITIE.

A total of 73 students have been given fee waiver during 2016-2018 batch.

Number of scholarship offered by the institute, duration and amount Criteria for fee waivers/scholarship		**Income limit**

(i) Need based concession in the tuition fee to the extent of 50% and 30% for those students whose family income is less than Rs.1,00,000 and 2,50,000 respectively (for all the PG students)

(ii) For GATE qualified students, Teaching Assistantship @Rs.12400/- is payable as per the Govt. of India, Ministry of Human Resource Development's letter No. F.17-2/2014-TS.I dated 18.2.2015 & 2.3.2015 (revised) for PGDIE students.

(iii) SC/ST students are granted financial assistance as per the scheme of Govt. of India, (applicable to all eligible PG students)

Estimated cost of Boarding and Lodging in Hostels		**₹.60,000 per year (approx.)**

IX. ADMISSION:

Number of seats sanctioned with the year of approval.

PGDIE	**126 seats - Year 2017 – after EWS implementation (140)**
PGDIM	**274 seats – Year 2017 after EWS implementation (308)**
PGDISEM	**39 seats – Year 2017 after EWS implementation (42)**

PGDMM	**40 seats - Year 2017 after EWS implementation (44)**
PGDPM	**40 seats - Year 2017 after EWS implementation (44)**

Number of students **admitted** under various categories each year in the last three years.

PGDIE	2017-2019 - 116 Students General 55, OBC 31, SC 18, ST 5, PD-1, ISP 6, QIP 0 2018-2020 - 126 Students General 62, OBC 34. SC 19, ST 9, PD-1, ISP 1, QIP 0 2019-2021 - 143 Students EWS 10, General 61,OBC 38, SC 24,ST 5, PD 2,ISP 3, QIP 0
PGDIM	2017-2019 - 226 Students General 130, OBC 58, SC 36, ST 1, PD 1 2018-2020 - 247 Students General 132, OBC 70, SC 39, ST 3, PD 3, ISP 0, QIP 0 2019-2021 - 272 Students EWS 19, GN 123, OBC 83, SC 46, ST 1, PD 0, ISP 0, QIP 0
PGDISEM	2017-2019 - 18 Students General 10, OBC 2, SC 5, ST 03, ISP 0, QIP 0 2018-2020 - 16 Students General 8, OBC 4, SC 03, ST 01, ISP 0, QIP 0 2019-2021 - 20 Students EWS 2, General 9, OBC 3, SC 06, ST 0, ISP 0, QIP 0
PGDMM	2017-2019 - 24 Students General 8, OBC 9, SC 6,ST 0, ISP 1 2018-2020 - 35 Students General 12, OBC 11, SC 11, ST 01, ISP 0, QIP 0 2019-2021 - 43 Students EWS 2, General 22 OBC 13, SC 06, ST 0, ISP 0, QIP 0
PGDPM	2017-2019 - 33 Students General 15, OBC 10, SC 8, ST 0, ISP 2018-2020 - 30 Students General 15, OBC 9, SC 5, ST 0, PD 1, ISP 0, QIP 0 2019-2021 - 41 Students EWS 2, General 20 OBC 12, SC 07, ST 0, ISP 0, QIP 0

Number of applications received during last two years

Admission under **Management Quota**	**No management quota is available**
	All the seats are filled up on merit basis only

X. ADMISSION PROCEDURE

Mention the admission test being followed, name and address of the Test Agency and its URL (website).

(a) For PGDIM/PGDISEM:

Admission Test	**Conducted by CAT Centre under IIMs**
Number of seats allotted to different Test Qualified separately [AIEEE/CET (State conducted test/University tests)/Association conducted test]	**Only CAT Qualified candidates**

Calendar for admission against management/vacant seats:

Last date for request for applications	**End of December**
Last date for submission of application	**End of December**
Dates for Group Discussion (GD)/Interviews	**Exact dates announced in Advertisement & Brochure**
Dates for announcing final results	**2nd week of April**
Release of admission list (main list and waiting list should be announced on the same day)	**2nd week of April; the two lists are announced on the same day.**

(b) For PGDIE/PGDMM/PGDPM Programme

Admission Test: GATE conducted by IITs

Number of seats allotted to different Test Qualified candidates separately [AIEEE/CET (State conducted test/University tests)/Association conducted test] **- Only GATE Qualified candidates**

Calendar for admission against management/vacant seats:

Last date for request for applications	**First week of April**
Last date for submission of application	**First week of April**
Dates for Group Discussion (GD)/Interviews	**Exact dates announced in Advertisement & Brochure**
Dates for announcing final results	**Last week of May**
Release of admission list (main list and waiting list should be announced on the same day)	First week of May; the two lists are announced on the same day

(c) Common to all PG Programmes

Date for acceptance by the candidate (time given should in no case be less than 15 days)	**15 days**
Last date for closing of admission	**One week before the commencement of the classes.**
Starting of the Academic session	**3rd week in June**

The waiting list is activated only on the expiry of date of main list.

This is the practice already being followed.

The policy of refund of the fee, in case of withdrawal, should be clearly notified:

The Policy of refund of fee is in accordance with the Government of India rules.

XI. CRITERIA AND WEIGHTAGES FOR ADMISSION

Describe each criteria with its respective weightages i.e. Admission Test, marks in qualifying Examination etc.

NITIE intake is confined to Engineering graduates only with a minimum of 60% aggregate marks (with 5% relaxation for SC/ST/PD category).

(a) Shortlisting for Group Discussion and Personal Interview (for PGDIM/PGDISEM)

Candidates meeting the following section-wise cut-off percentile criteria are called for Group Discussion and Personal Interview in the order of their ranks based on the ratio decided for category wise availability of seats.

PG Programme	Category	Section wise CAT Score cut-off		Total CAT Percentile
		Quantitative Percentile	Verbal Percentile	
PGDIM	General/OC	90	91	97
	ON	74	74	86.5
	SC/ST/PD	56	57	70
PGDISEM	General/OC	90	90	95
	ON	68	70	84
	SC/ST/PD	49	49	55

(b) Shortlisting for Group Discussion and Personal Interview (for PGDIE)

From among the eligible candidates, top scorers of GATE Score equal to or above 650 score are called for GD & PI based on the ratio decided for category-wise availability of seats, under General Category.
Concession is offered to candidates belonging to SC/ST/OBC/PD categories. Additional concession in percentile is offered to SC/ST candidates to get the sufficient number of candidates from these categories as per the ratio of seats to no. of candidates to be called for GD/PI.

(c) Preparation of Final Merit List

All candidates who attend the GD and PI are considered for preparing the final merit list according to the total weighted score obtained by each candidate in the order of merit.

The total weightage amounting to 100 is distributed among the seven components as per the score of the candidate viz., (i) Aggregate CAT Score (for PGDIM/PGDISEM/ PGDMM/PGDPM) or Aggregate GATE Score (for PGDIE), (ii) Class X Marks, (iii) Class XII Marks, (iv) Graduation Marks, (v) Experience, (vi) Group Discussion and (vii) Personal Interview.

Based on the total weighted score out of 100, the category-wise merit lists are prepared and admission offers are issued to the top rankers in order of merit according to the category-wise availability of seats.

Mention the minimum level of acceptance, if any	**Same as above**
Display marks scored in Test etc. and in aggregate for all candidates who were admitted.	**Noted**
Item No I - XI must be given in information brochure and must be hosted as fixed content in the website of the Institution.	**Noted**
The Website must be dynamically updated with regard to XII-XV	**Noted**

XII. APPLICATION FORM:

Downloadable application form, with online submission possibilities. – **Noted**

XIII. LIST OF APPLICANTS:

List of candidates whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidates who have applied along with percentage and percentile score for **Management quota** seats.	Not applicable

XIV. RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/VACANT SEATS

Composition of selection team for admission under **Management Quota** with the brief profiles of Members	**No Management Quota Seats**

(This information be made available in the public domain after the admission process is over)

Score of the individual candidates admitted arranged in order of merit	**Not applicable**
List of candidates who have been offered admission	**Not applicable**
Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates	**Noted, and it is already being practiced**

XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE LIBRARY:

LIBRARY:

LIBRARY FACILITIES:

A.	Total area of the Library	1433.39 Sq. Mt.
B.	Seating capacity of the Library	120
C.	Reprographic Facility (Yes / No)	Yes
D.	Working hours of Library	Monday to Friday: 9.00 am to 10.00 pm Saturday & Sunday: 11.00 am to 7.00 pm (Closed on Institute's holiday)
E.	Library Networking Facility (Yes / No)	Yes
F.	Usage data of the Library (in terms of books issued to faculty & students etc.)	Library facilities such as Books, Journals, Magazines, Newspapers, Electronic Databases, Online Journals etc. are widely used by all the Faculty members (58 Nos.) and students (900+ Nos.) of the institute. Average issue and return of reading material per day are 8-10. Yearly 14,000 (approx.) textbooks are purchased and distributed to PGP students.
G.	Annual library budget (% of annual: Student's fee collected)	₹. 746.00 lakhs (aprox. 24.75%, of Rs.30,14,49,442.00 (as on 31.03.2019) annual student fee)

A. Details of Library Staff with Qualification and Pay Scales:

Name of the Post	No. of Post	Qualification & Experience	Pay Band + Grade Pay
Library & Information Officer	1	Master Degree + Master in Library Science & PGDLIM (30 yrs in NITIE Library)	15600 – 39100+ (6600 GP) PB-III
Assistant Library & Information Officer	1	Master Degree + Master in Library Science & M.Phil. + NET (04+ years in NITIE Library and over all 12 plus years' experience)	9300 – 34800 + (4600 GP) PB-II
Sr. Library & Information Assistant	2 (1 vacant)	Master Degree + Bachelor Degree in Library Science (25yrs + in NITIE Library)	9300 – 34800 + (5400 GP) PB-II
Library & Information Assistant	2 (1 Vacant)	Master Degree + Master's Degree in Library Science (25yrs in NITIE Library)	9300 – 34800 + (4800 GP) PB-II
Library Clerks	4 (1 Vacant)	S.S.C. except one is IX pass. (all more than 25 yrs in NITIE Library)	5200 – 20200 + (2800 GP) PB-I
MTS	4 (1 Vacant)	VIIIth Class Passed (1 more than 12 yrs & 2 are since last two months in NITIE Library)	5200 – 20200 + (2000 GP) PB-I

B. Details of the Library Facilities (as on 31.03.2019)

Course(s)	Number of Titles of Books	Number of Bound Journals	Journals National	Journals International
PGDIE PGDIM PGDISEM PGDPM PGDMM Fellow Programme.	70442 (Technical + L. Reading + Hindi + Marathi + Complementary) and 03 E-books	11955	37	120

NITIE LIBRARY: A Brief Note

The National Institute of Industrial Engineering (NITIE) Library is a learning and knowledge resource center for the academic community since 1965.

The NITIE Library is enriched with intellectually stimulating collections of Technical Books, Reference books, Journals (including print, print+online & online) and Electronic databases in the fields of Industrial Engineering and its allied subjects. Since the Institute is with a residential campus, the library plays a key role in providing information to our staff, officers, and students, in a great extent.

The objective of NITIE library is to facilitate the creation of new knowledge through acquisition, organization and timely dissemination of knowledge resources and providing value-added services. The total collection of library is approximately 82,390 plus books as on 31.03.2019, which include reference books, bound volumes of Journals, Light reading books in English, Hindi & Marathi language and complimentary books.

Library subscribes 157 technical Journals. Out of which 44 are Online, 63 Print+Online and 50 are Print subscriptions. Apart from technical journals, it also subscribes 34 Light reading journals and magazines. Library also has a rich coverage of newspapers. Along with Hindi & English newspaper, it also subscribe regional language newspapers such as Marathi, Gujarati, Tamil, Telugu, Bengali, and Malayalam.

Library also provides "Discovery Service," i.e. EDS, which brings together the most comprehensive collection of the entire subscribed online journal's database as well as put library collection at one platform. From the year 2014 Library is involved in the subscription of Turnitin (Plagiarism) software. It has also started providing HBS, Emerald and IIMA cases service. With this library is facilitating the NITIE community with educational software like Grammarly- A writing assistance software, E-view-10 – data analysis software and many more are in plan to be subscribed in near future.

NITIE is a core member of E-Shodhsindhu consortium (an initiative of MHRD) since its inception along with all the IIT's, IIM's and NIT's. Through consortium, Library gets 11 online databases like (Proquest - ABI / Inform Complete, IEL, Oxford, Springer, ASME, ASCE, etc. with J-Gate Search portal.

Library provides above resources through wide network including Library catalog OPAC (Online Public Access Catalogue) 24 X 7 within the campus. Library uses the *LIBSYS.10* software package for library management. Library has Bar code technology with 3M security system.

From the year 2017 library also started the facility for the Remote Access. Since October 2016 library is functioning from new premises at "Academic cum Library Building" with more space and facilities at three floors. The complete library area is centrally air-conditioned and also with secured Wi-fi facility. Modernization of library is under progress.

LABORATORY:
For each Laboratory List of Major Equipment/Facilities List of Experimental Setup

LABORATORIES

Sl. No.	**Name of the Course**	**Name of the laboratory/ workshop**	**Total Area of lab/workshop**	Major equipment	**Total cost of Equipments (₹.)**
1.	All PG Programs and Fellow Programme in Operations Management	Advanced Manufacturing Center of Excellence Laboratory (AMCE)	4 Meter x 10 Meter	**CNC Lathe** CNC Mill Robots Automated Storage & Retrieval System Automated Guided Vehicle Vision Inspection System Assembly System Rapid Prototyping Machine Witness Simulation Software	8,80,347 7.69,122 9,57,051 4,93,203 5,08,016 2,69,713 5,60,726 18,50,000 1,61,480
2.	Industrial Safety & Environmental Management (PGDISEM)	Environmental Engineering Lab Industrial Environment Lab	12.5 ft x 20 ft. 8.45 x 5.40 sq.ft (45.63 Sq.m)	Total Organic Carbon Analyser UV-Spectro Photometer Gas Chromatograph Sound Level Meter & Dosimeter	12 Lacs US$ 7840 in 2010 ~Rs.3.8 Lacs

COMPUTING FACILITIES:

Number and Configuration of Systems
Total number of systems connected by LAN
Total number of systems connected to WAN
Internet bandwidth
Major software packages available
Special purpose facilities available

Computer Facilities for the existing programme(s)

1.	No of Computer terminals		**400**
2.	Hardware Specification	P-IV 2.5 GHz, 40GB HDD, 1GB RAM, 15" SVGA COLOUR MONITOR - **76 NOS**. P-IV 2.8 GHz, 160GB HDD, 1GB RAM, 17" TFT FLAT PANEL MONITOR, DVD-CD RW COMBO DRIVE – **159 NOS.**	76 159

		P-IV – HP Compaq dc 7800 Convertible Monitower PC-Core 2 Duo E4400 Processor 1 GB DDR2-Synch DRAM Memory Type: PCs-6400 DDR2 800 SDRAM Internal Hard Disk Drive : 160 GB **42 Nos.**	42
3.	New desk top	Intel Pentium IV 1.5 GHz. Intel 845 chipset motherboard, 128 MB of SD RAM (Hyundai), 1.44 MB floppy drive, 20 GB Hard Disk, 52X CD ROM Drive, 10/100 MBPS fast Ethernet controller, Riva TNT 3d Graphic card with 32 MB VRAM, ATX power supply/cabinet, 2 x Universal Serial Bus (USB) port, Om board sound blaster card, 105 Windows compatible Key Board, 3 Button original scroll Logitech mouse, 15>> Samsung Colour Monitor	**42**
4.	Laptop	HP COMPAQ LAPTOPS Specifications : ▪ Processor : Intel Core 2 Duo 7100 Processor (1.8GHz) with 2MB L2 cache 800MHz FSB ▪ Motherboard & Chipset : Mobile Intel GM 965 or higher chipset on OEM Motherboard ▪ Memory : 1 x 1 GB DDR2 SD RAM 667MHz expandable upto 4GB ▪ HDD: 120GB SATA HDD @ 5400 rpm ▪ Display: 39.1 cm Active Matrix wide screen display (1260 x 800 WXGA Resolution) ▪ Video controller: Integrated Graphics with shared memory ▪ Modem: Integrated 56KBPs Modem (fax/Data) and 10/100/1000 GB faster Ethernet. ▪ Wireless connectivity : Integrated wireless 3945 a/b/g. integrated Bluetooth ▪ CD DVD Combo: Integrated DVD writer 8x and integrated stereo speaker ▪ Keyboard: Keyboard with touch pad ▪ Expansion Port: 2 USB, 10/100 ethernet card, RGB or S-Video or VGA, PCMCI slot, connector for port replicator/docking station, microphone, stereo head phone and other standard features. ▪ Power Supply: 230V, 50Hz AC supply with rechargeable battery pack comprising of Li-lon Batteries suitable for approx. 4 hours operation complete with battery charger/adaptor ▪ Carry case: ▪ Warranty : 3 years onsite comprehensive warranty	**123**
5.	Servers	HP Work Station XW4300 Intel Pentium 4 processor 3.4Hz. Intel 915G exprerss chipset, 800MHz, FSB, 2MB L2 cache, 1GB DDR2, 533 NON ECC Dual channel RAM, 2x160GB SATA (7200rpm) HDD, nvidiaquadro NVS285, with dual Monitor VGA/DVL with 128MB memory PCle 16 x (VGA) graphics, 1394 Fire wire, Controller Card, USB midnight entry, Keyboard grey, Optical Scroll Mouse USB, 19" TFT color monitor, 1 parallel port, 1 serial port, 1 PS/2 Keyboard 1 PS/2 mouse, 6 USB 2.0 ports, IVGA, IRJ-45, 5 audio ports, 10/100/1000 base T NIC on board,	**14**

		16 x DVD +/-RW with Software, FDD 1.44MB, Windows XP Prof., SP2, Adaptec, SCSI CArd 19160 with cable.		
6	No of terminals of LAN/WAN	Office/Hostels/Residence		1200
7.	Peripheral(s)/ Printers			170
8.	Internet Accessibility (in kbps & hrs)	8Mbps leased line [1:1] 8Mbps Radio Frequency [1.1] 1 GBps leased line on fiber		24/7 24/7 24/7
9.	Relevant Legal Software	Application prepared in House as per requirement	System Licensed Microsoft Software	

WORKSHOP:

List of facilities available

Games and Sports Facilities	Basket Ball Court, Foot Ball Court, Volley Ball Court, Carrom Room
Extra Curriculum Activities	Gym
	Personality Development and Communication Skills related software are being used. All students make use of these facilities under the guidance of the Coordinating teaching faculty.

Soft Skill Development Facilities

Nature of Venue	Number	Area in Sq. Mts.
Number of Classrooms and size of each	1	63 to 151
Number of Tutorial rooms and size of each	3	30 to 200
Number of laboratories and size of each	10	22 to 70
Number of drawing halls and size of each	1	411
Number of Computer Centres with capacity of each of	1	322

Central Examination Facility, Number of rooms and capacity of each	Exam Hall – 160 Students
	Exam/Lecture Halls – 440 Students

Building :

1. Available Built up area per student

2. Total Built up Area for the existing programme(s)

Particulars (Carpet Area)	Area required as per norms (Sq. Mt.)	Building with RCC Roof	Building with Sheet Roof (if suitable for educational Institutions	Total sanctioned intake (last 4 years for Engineering/Pharmacy/ Architecture etc. 2 years. MBA/PGDBM and 3 years for MBA)	Built up area per student	Total Area Available (Sq. Mt.)
Instructional	-	2710.35	411.00	**519**	-	3121.35
Administrative	-	2555.00	733.00		-	3288.00
Amenities	-	875.00	17600.00		-	18475.00
Circulation & Others	-	3808.00	131.00		-	3939.000
Total		9948.35	18875.00		-	28823.35

i) Academic-cum-Library Bldg. – 12737.82
ii) New Hostel Bldg. – 11,144.00

Instructional Area for the existing programme(s) :

Type of Venue	Number of rooms		Carpet area of each room	
	Requirement as per norms	Available in the Institution (Nos.)	Requirement as per norms	Available in the Institution (Sq. Mts.)
Class Rooms		13		1040.00
Tutorial Hall		3		468.00
Drawing Hall (*)		1		411.00
Computer Centre		1		168.00
Library		1		295.00
Laboratories & workshops		5		876.00
Total				

1 Whether any academic activity is being carried out in the basement Yes [ ] No [√]
If yes, give details.

2 Whether a barrier free environment has been created in the building for Physically challenged persons. Yes [√] No [ ]

3 Whether the Classrooms, Tutorial hall, Drawing hall, Computer centre, Library, Laboratory and workshops are well equipped for the existing courses. Yes [√] No [ ]

22. Land Availability

Land Category **(Rural/District Head Quarter/State Capital/Metropolitan city/Mega City)**	**Area required as per Land Category (Acres)**	**Total Area Available (Acres)**
State Capital		63.832 Acres

(a) Whether the said land is demarcated by fencing/boundary wall for the institution (Tick □ appropriate box) **Yes** [√] **No** [ ]

(b) Whether the land is contiguous *(Tick □ appropriate box)* **Yes** [√] **No** [ ]

If Not, Number of plots [ ] Distance between the plots (Sq.M) [ ]

(c) Whether the surroundings of the institution are suitable for educational purpose **Yes** [√] [ ]

23. Availability of other facilities:

S.	Parameter	Availability
1	All Weather Approach Road (cemented / kuchha)	Available
2	Potable Water Supply System (own bore well / municipal corporation)	Available

3	Electrical Generator (5kv, 5-10 kv, 10-15 kv, more than 20 kv)		750 KVA
4	Students' Canteen		Yes – 785
5	Students' Common Room (Boys / Girls)		Yes - available
6.	Hostel	Boys	436 rooms double occupancy
		Girls	168 rooms double occupancy
	If no hostel facility is available, whether arrangements have been made for boarding and lodging of students near to the institution, if yes mode of travel from the place of stay to the institution - walkable distance		
7	Principal's Quarters		No
8	Digital Library		Available
9	Quarters for Faculty		Yes – 53
10	Guest House		Yes – 36
11	Parking facilities		Yes – available
12	Medical facilities (full time / part time doctor / dispensary)		Yes – available
13	Insurance facilities (Mediclaim policy for students)		Yes - available
14	Telephone booth		Yes - available
15	Gymnasium /indoor / outdoor stadium		Yes – available
16	Rainwater-harvesting facilities are available		Yes - available
17	Post office facility		Yes – available
18	Bank facility		Yes – available
19	Transport facility for day scholars		Yes – available
20.	Reprographic facilities in the Institutions.		Yes - available
21.	Barrier free environment for physically challenged.		Yes – available

Teaching Learning process

Curricula and syllabi for each of the programmes as approved by the University. :

Enclosed as Annexure - III

Academic Calendar of the University	**Enclosed as Annexure IV**
Academic Time Table	**Enclosed as Annexure V**
Teaching Load of each Faculty	**Enclosed as Annexure VI**
Internal Continuous Evaluation System in place	**Enclosed as Annexure VII**
Students' assessment of Faculty, System in place	**Enclosed as Annexure VIII**

For each Post Graduate programme give the following:

i. Title of the programme
ii. Curricula and Syllabi } **Same as above in Annexure III**

iii. Faculty Profile **: Available in website**

Brief profile of each faculty. – Available in website.

12 (ii) (b):- Details of the Full Time Teaching Faculty

Sr. No.	Name of the Teaching faculty	Designa-tion	Qualifications	Date of Birth	Experience a)Teaching b) Industry	Date of Joining Institute
1	Prof D K Srivastava	- " -	Ph. D, MA	24.03.1963	26 yrs	29.06.1994
2	Prof S K Nair	- " -	Ph.D, M.Phil, MA, DBM	20.05.1958	25 yrs	05.10.1995
3	Prof L Ganapathy	- " -	Ph.D, M.Tech, B.Sc.	17.12.1961	32 yrs	22.05.1996
4	Prof R Ramaswamy	-"-	FIE., M.Phil, M.Sc.(Tech)	04.06.1957	35 yrs	20.03.1986
5	Prof KVSS Narayana Rao	-"-	Ph. D, PGDIE B.Tech	06.07.1956	37 yrs	14.06.2006
6	Prof A K Pundir	- " -	FIE, F.J.I.E, PGDIE, B.Tech	01.07.1956	31 yrs	15.11.2001
7	Prof (Mrs) Seema Unnikrishnan	-"-	M.Sc (Environ) PGD Fellow ship of NITIE	03.05.1967	24 yrs.	03.01.1994
8	Prof(Mrs,) Vijaya Gupta	-"-	Ph.D. M.Phil. M.A (Economics)	08.05.1962	26 yrs.	08.09.2000
9	Prof. M Venkateshwarlu	-"-	Ph.D.M.Com. B.Com, CMA of ICMA	15.04.1965	32 yrs.	13.07.2006
10	Dr. Sanjay Sharma	-"-	Ph.D. M.Tech. B.E.	04.08.1965	26 yrs	26.07.2007
11	Prof M K Jha	**-"-**	Ph. D, MBA, M.Tech BE	27.06.1961	29 yrs	18.06.1993
12	Prof T Prasad	- " -	Ph.D, M.Phil M.Com	15.06.1961	38 yrs	01.04.1998
13	Prof V B Khanapuri	-"-	FIE, MBA, B.E	19.09.1964	17 yrs	26.06.2000
14	Prof Hema A Date	- " -	FIE, PGDIE, B.E.	26.01.1964	28 yrs	01.06.1990
15	Prof Shankar Murthy	-"-	Ph.D, M.E, B.E.	28.10.1960	39 yrs	29.06.2006
16	Prof (Mrs) Purnima S Sangle	- " -	Ph.D, M.Sc.	17.04.1971	25 yrs.	24.07.2000

17	Dr Shirish Sangle	- " -	Ph.D, M.Tech, M.Sc	13.08.1969	26 yrs	13.07.2001
18	Dr. Milind A Akarte	-"-	Ph.D. M.Tech, B.E.	16.12.1966	32 yrs	19.06.2009
19	Dr. Padmanav Acharya	-"-	Ph.D IIT (Kharagpur) M.Tech B.E.	19.07.1968	26 yrs	06.06.2014
	Associate Professor					
1	(Mrs) R D Chikhalkar	- " -	FIE M B A, B.Sc.	05.07.1960	34 yrs	28.05.1984
2	Dr (Ms) Anju Singh	- " -	Ph.D,M.Sc	04.04.1966	32 yrs	27.04.2006
3	Dr. Sachin S Kamble	- " -	Ph.D, MBA, B.E	12.06.1974	25 yrs	18.05.2006
4	Dr K Maddulety	- " -	Ph.D, M.Phil, MBA	19.05.1965	31 yrs	05.06.2006
5	Dr Sanjeev Verma	- " -	Ph.D, MBA, PGDCA	02.10.1976	29 yrs	07.06.2006
6	Dr Rakesh Verma	- " -	Ph.D, M.Sc.	19.09.1968	30 yrs	26.07.2006
7	Dr Ranjan Chaudhuri	-"-	Ph.D	01.02.1975	22 yrs	03.07.2007
8	Dr SK Md. Rauf Iqbal	-"-	Ph. D M.Sc	01.08.1968	30 yrs	06.09.2007
9	Dr Nikhil K Mehta	-"-	Ph. D M B A B. Pharm M.A (Psychology)	23.03.1975	23 yrs	06.02.2008
10	Dr. Vivek V Khanzode	-"-	Ph.D. M.Tech, B.E.	16.10.1971	20 yrs	18.4.2013
11.	Dr.Sanjeev C Panandikar	-"-	Ph.D,M.Sc B.Sc.	31.12.1955	31 yrs	30.4.2013
12	Dr Utpal Chattopadhyay	-"-	Ph. D M.Sc. MBA	31.12.1965	24 yrs	09.01.2008
13	Dr. Som Sekhar Bhattacharya	-"-	FPM PGDFM B.Tech	20.02.1978	16 yrs	18.05.2009
14	Dr. Neeraj Pandey	-"-	Ph. D M B A	10.09.1974	21 yrs	04.06.2009
15	Ms Sumi Jha	-"-	F I E M B A	05.08.1975	24 yrs	15.06.2009

16	Prof (Mrs) Upasna A Agarwal	- "-	Ph.D,MBA,MILL, Master of Labour law PGDM,PM&IR	14.9 1977	13 yrs	23.04.2013
17	Prof. B Koteswara Rao Naik	-"-	B.Tech (Chemical) MBA (HR&PM) Ph.D.	10.4.1979	11 yrs.	06.05.2013
18	Dr. Balkrishna Eknath Narkhede	-"-	B.E.(Production Engg) M.Tech (F.A.T & A.S.M.) Ph.D. (Mechanical Engg).	20.06.1973	21 yrs	29.9.2017
	Assistant Professor					
1	Prof(Ms) Hema Diwan	-"-	B.Sc/ M.Sc. Environmental Science/Ph.D. NET/ SLET / PGCAP	09.2.1981	09 yrs	01.4.2013
2	Prof Binilkumar A S	-"-	B.A / M.A.Ph.D.	16.4.1977	13 yrs	16.4.2013
3	Prof Priyanka Verma	-"-	B.E (Mechanical) M.Tech (IME) Ph.D. (Operations Research)	08.07.1981	11 yrs	26.11.2013
4	Prof Ruchita Gupta	-"-	Ph.D B.E (Mechanical) M.Tech	19.12.1978	13 yrs	02.12.2013
5	Prof Ravindra Shridhar Gokhale	-"-	B.E /M.Tech Ph.D.	07.04.1976	15 yrs.	19.12.2013
6	Prof Rakesh Dulichand Raut	-"-	B.E. (Production) M.Tech (Mechanical) NITIE fellow Post–Doct (EPFL)	09.07.1980	08 yrs	01.01.2014
7	Prof (Ms.) KS Ranjani	-"-	B.Com / C.A.FCA ICWA / M.Phil, Ph.D.	16.12.1974	20 yrs.	26.02.2014
8	Prof (Ms) Poonam Singh	-"-	Ph.D (Economics) M.A. B.A.	21.12.1980	21 yrs.	05.9.2014
9	Prof Vipul Kumar Singh	-"-	M. Sc, MBA Ph.D.	22.12.1980	13 yrs	13.04.2015
10	Prof (Ms) Sushmita A Narayana	-"-	B.E FPM	16.05.1986	04 yrs	11.06.2015

11	Prof Ajaya Kumar Panda	-"-	M.A/M.Phil Ph.D.	02.05.1980	11 yrs	08.07.2015
12	Prof Kanchan D Joshi (	-"-	BE (Electronics) MMS, Ph.D.	20.01.1984	04 yrs	21.08.2015
13	Prof Mainak Mazumdar	-"-	B.Sc (Economics) M.Sc.(Economics) Ph.D.	20.12.1978	09 yrs	01.08.2016
14	Dr. Debabrata Das	-"-	Ph.D.	05.12.2018	5 yrs	11.05.2018
15	Prof (Ms) Neha Srivastava (On contract basis)	-"-	Fellow /Ph.D (IIM Lucknow) M.Com B.Com	18.10.1983	3 Yrs	11.01.2018
16	Prof Vidhadhar V Gedam (On contract basis)	-"-	B.E.M.Tech (Envir. Engg Ph.D (Envir. Engg)	23.01.1985	5 yrs	24.01.2018
17	Prof (Ms) D Jinil Persis (On contract basis)	-"-	B.E, M.E. Ph.D	29.05.1985	3 Yrs	06.02.2018
18	Prof Sumant Kumar Bishwas (On contract basis)	-"-	B.Tech, MBA, Ph.D	20.06.1986	4 Years	05.03.2018
19	Prof Gaurva Kabra	-"-	B.Tech, MBA, Ph.D	02.12.1987	3 Years	02.05.2018

Laboratory facilities exclusive to the PG programme – **N.A.**

Special Purpose
Software, all design tools in case
Academic Calendar and frame work
Research focus

List of typical research projects.

Industry Linkage

Institute has a Cell, Industry-Institute Partnership Cell.

Publications (if any) out of research in last three years out of masters projects

Every student of PG Programmes undertakes the Project work in Industry and all these reports are preserved in the Institute after evaluation

Placement status

Total of students placed by the Institution through its Placement Cell (Discipline wise) – Last three years

Discipline	Year of Passing	Total of students passed out (last 3 years)	Total of students placed through placement cell (last 3 years)	Remarks
PGDIE	2020	108	107	01 Sponsored
	2019	89	88	01 Opted out
	2018	101	100	01 Opted ou
PGDIM	2020	242	239	03 Opted Out
	2019	225	224	01 Opted out
	2018	221	218	03 Opted Out
PGDISEM	2020	15	14	01 Opted Out
	2019	16	16	-
	2018	16	11	-
PGDMM**	2020	28	28	-
	2019	19	19	-
	2018	32	30	02 Opted out
PGDPM**	2020	22	21	01 Opted Out
	2019	30	30	-
	2018	31	29	02 Opted out

*Programme closed in the year 2015.

** Programme started in the year 2016.

Admission procedure	:	**Details given in item X of the Mandatory Disclosure.**	
Hostel Facilities	:	**.**	
Hostel	Boys	436 rooms (Double occupancy 872 students can be accommodated)	
	Girls	168 rooms (Double occupancy 336 students can be accommodated)	

Fee Structure: Fee structure is given in Sr. VIII

Contact address of Dean (Academics) of the PG programme

Name : **Prof. Padmanav Acharya**
Dean (Academic)
Address : **NITIE, Vihar Lake Road, Mumbai 400 087**
Telephone : **022 28573371, 02228035311**
E-mail **: pacharya@nitie.ac.in**

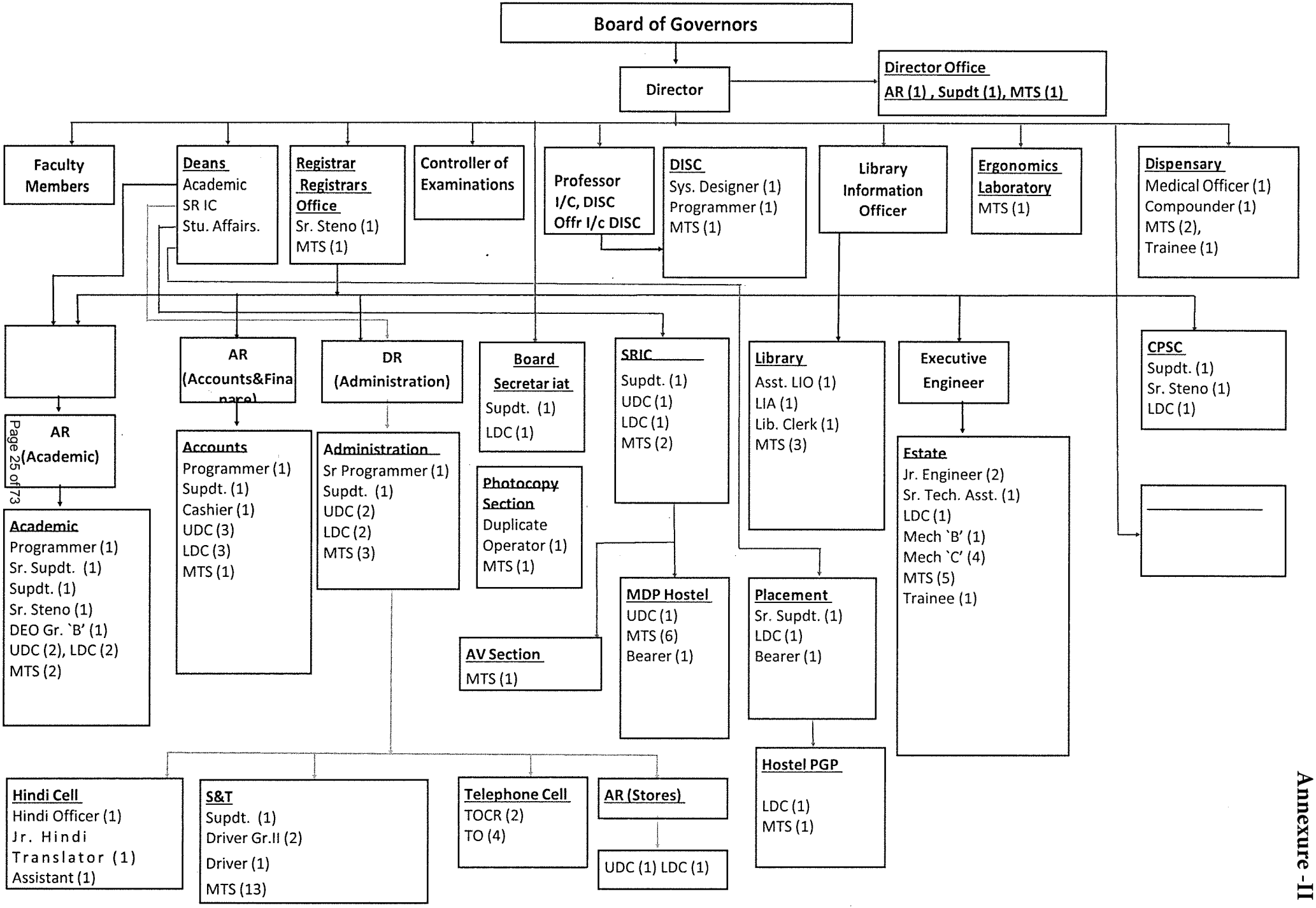
NOTE: Suppression and/or misrepresentation of information would attract appropriate penal action.

ANNEXURE - I

LIST OF NITIE BOARD OF GOVERNORS
(w.e.f. 27.03.2017 to 26.03.2021)

I	Chairman	Prof. Sanjay G Dhande, Former Member UGC and Former Director, IIT Kanpur
II	**Representatives of Central Government**	
	Ministry of Finance	Ms Darshana M Dabral Joint Secretary (Financial Adviser), MHRD
	Department of Higher Education	Shri Madhu Ranjan Kumar Jt. Secretary (DL & A), MHRD
	Ministry of Commerce & Industry	Dr. Ashish Kumar, Sr. Dev. Officer, Department of Industrial Promotion and Policy
III	Representative of National Productivity Council	Dr. Amita Prasad, IAS, Director General, NPC
IV	Representative of All India Council for Technical Education	Prof. Prem Vrat, Former Director, IIT Roorkee,
V	Four representatives of Industry including Public Enterprises nominated by Central Government	1. Shri V Kalyana Rama, CMD, Concor 2. Shri Atul Chandrakant Kulkarni, Independent Consultant 3. Shri Anand Sankeshwar, Managing Director & Whole Time Managing Director, VRL Logistics 4. Shri Shashi Kiran Shetty, Allcargo Logistics
VI	Two Members Representing Workers' Organizations	1. Shri Pawan Kumar, BMS 2. Shri Surendra Kumar Pandey, BMS
VII	Two representative of other interests such as Engineering professions and technical institutions, etc.	1. Dr. A M Rawani, Director, NIT Raipur 2. Prof. Nomesh Bolia, Assoc Prof. (IE & OR), IIT Delhi.
VIII	Two co-opted Members Representatives Industrial Engineering, Productivity Sciences, etc. (co-opted by the Board)	1. Shri B Prasada Rao, Former CMD, BHEL 2. Shri Pramod Chaudhari, Founder and Executive Chairman, Praj Industries Ltd.
IX	One Representative of Govt. of Maharashtra co-opted by the Board	Shri Saurabh Vijay, Secretary, Higher & Technical Education Dept., Government of Maharashtra, Mantralaya, Mumbai.
X	Two members of NITIE Teaching Faculty to be co-opted by the Chairman, NITIE BoG	1. Prof. Seema Unnikrishnan, Professor (Environmental Engineering & Management) 2. Prof. Vijaya Gupta, (Economics & Strategy)
XI	Ex-officio Member	Prof. Manoj K. Tiwari, Director, NITIE
XII	Ex-officio Secretary	Shri Basavaraj Swamy, Registrar

****


Board of Governors
Director
Director Office
AR (1) , Supdt (1), MTS (1)
Faculty Members
Deans
Academic
SR IC
Stu. Affairs.
Registrar
Registrars Office
Sr. Steno (1)
MTS (1)
Controller of Examinations
Professor I/C, DISC
Offr I/c DISC
DISC
Sys. Designer (1)
Programmer (1)
MTS (1)
Library Information Officer
Ergonomics Laboratory
MTS (1)
Dispensary
Medical Officer (1)
Compounder (1)
MTS (2),
Trainee (1)
AR (Academic)
AR (Accounts&Finance)
DR (Administration)
Board Secretariat
Supdt. (1)
LDC (1)
SRIC
Supdt. (1)
UDC (1)
LDC (1)
MTS (2)
Library
Asst. LIO (1)
LIA (1)
Lib. Clerk (1)
MTS (3)
Executive Engineer
CPSC
Supdt. (1)
Sr. Steno (1)
LDC (1)
Academic
Programmer (1)
Sr. Supdt. (1)
Supdt. (1)
Sr. Steno (1)
DEO Gr. `B' (1)
UDC (2), LDC (2)
MTS (2)
Accounts
Programmer (1)
Supdt. (1)
Cashier (1)
UDC (3)
LDC (3)
MTS (1)
Administration
Sr Programmer (1)
Supdt. (1)
UDC (2)
LDC (2)
MTS (3)
Photocopy Section
Duplicate Operator (1)
MTS (1)
AV Section
MTS (1)
MDP Hostel
UDC (1)
MTS (6)
Bearer (1)
Placement
Sr. Supdt. (1)
LDC (1)
Bearer (1)
Estate
Jr. Engineer (2)
Sr. Tech. Asst. (1)
LDC (1)
Mech `B' (1)
Mech `C' (4)
MTS (5)
Trainee (1)
Hostel PGP
LDC (1)
MTS (1)
Hindi Cell
Hindi Officer (1)
Jr. Hindi Translator (1)
Assistant (1)
S&T
Supdt. (1)
Driver Gr.II (2)
Driver (1)
MTS (13)
Telephone Cell
TOCR (2)
TO (4)
AR (Stores)
UDC (1) LDC (1)

Annexure -II

Annexure III

Annexure - 1

Table 1: Distibution of different types of courses

Components of Credits	M. Tech Equivalent		M.B.A. Equivalent	
	Present*	Proposed	Present**	Proposed
Course Work				
Institute Core (No of Courses)	13	12	15	12
Institute Elective (No of Courses)	2	4		3
Program Core (No of Courses)	7	8	5	8
Program Elective (No of Courses)	8	6	15	12
Total Credits through Course work (3 Credits for each course)	90 Credits	90 credits	105	105 credits
Summer Internship	6	6 credits	6	6 credits
Final Project (Dissertation Work)	30	30 Credits		-
Field Project	-	-	6	6 Credits
Total Credits	126	126	117	117

Annexure –I

Module wise – Break up of Number of courses

Programs	Type of Courses	Total Number Courses	Module 1	Module 2	Module 3	Module 4	Module 5	Module 6	Module 7	Module 8
M Tech Equivalent Program (PGDIE/PGDMM/PGDPM)	Institute CORE (No of courses)	12	6	3	2		1			
	Program CORE (No of courses)	8		3	3		2			
	Program ELECTIVE(No of courses)	6			1		3	2		
	Institute ELECTIVE(No of courses)	4						2	2	
	Summer Internship					6 Credits				
	Final Project (Dissertation Work)							6 Credits	12 Credits	12 Credits
MBA Equivalent Program (PGDIM / PGDISEM)	Institute CORE (No of courses)	12	6	3	2		1			
	Program CORE (No of courses)	8		3	3		2			
	Program ELECTIVE(No of courses)	12			1		3	5	3	
	Institute ELECTIVE(No of courses)	3						1	2	
	Summer Internship					6 Credits				
	Field Project								6 credits	

Annexure – 1A

Annexure 1 A - INSTITUTE CORE COURSES (ACROSS ALL PROGRAMS)						
Module 1	Indl Engg & Productivity Management	Operations Management	Managerial Economics	Marketing Management	Quantiative Techniques for Decision Making	Business Communication
Module 2	Information Systems & Artificial Intelligence	Managerial Accounting	Organisation Behaviour			
Module 3	Technology & Innovation Mgt.	Sustainable Development for Business				
Module 4	SUMMER INTERNSHIP					
Module 5	Legal and Ethical Aspects of Business					
Module 6						
Module 7						
Module 8						

Annexure – 2

Program Structure – M.Tech & MBA equivalent programs

	PG Program at NITIE	Type	TYPES OF COURSES				COURSE OFFERING AND AREA MAPPING	
			Institute CORE	Program CORE	Program ELECTIVE	Institute ELECTIVE	Program Core & Electives to be offered by the following Areas	Institute Elective will be from areas other than Program Elective
1	PGDIE	M.Tech Equivalent	12	8	6	4	IEMS DSIS OSCM ETPM	All Electives offered by Areas Other than Program Electives (FIN&ACC, OB&HR, MKT, ECO &STR and EEM)
2	PGDMM	M.Tech Equivalent	12	8	6	4	IEMS OSCM DSIS ETPM	All Electives offered by Areas Other than Program Electives (FIN&ACC, OB&HR, MKT, ECO &STR and EEM)
3	PGDPM	M.Tech Equivalent	12	8	6	4	ETPM IEMS OSCM DSIS	All Electives offered by Areas Other than Program Electives (FIN&ACC, OB&HR, MKT, ECO &STR and EEM)

4	PGDIM	MBA Equivalent	12	8	12	3	FIN&A/C OB&HR MKT ECO &STR OSCM DSIS	FIN&A/C OB&HR MKT ECO&STR OSCM DSIS	All Electives offered by Areas Other than Program Electives (ETPM / EEM / IEMS)
5	PGDISEM	MBA Equivalent	12	8	12	3	EEM ECO & STR OSCM ETPM	EEM ECO&STR OSCM ETPM	All Electives offered by Areas Other than Program Electives (FIN&ACC, OB&HR, MKT, IEMS, DSIS)

Annexure – 3

REVISED CURRICULUM

Post Graduate Diploma in Industrial Engineering
Post Graduate Diploma in Manufacturing Management
Post Graduate Diploma in Project Management

(Effective from AY 2018-19)

March, 2018

NATIONAL INSTITUTE OF INDUSTRIAL ENGINEERING

Vihar Lake Road, Powai, Mumbai – 400 087 India

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PROGRAMME STRUCTURE

M.Tech Equivalent Programmes (PGDIE/ PGDMM/ PGDPM)

(Effective from AY 2018-19)

Sr No	Type of Course	No. of Courses*	Total Credits
1	Institute Core (IC)	12	36
2	Program Core (PC)	8	24
3	Program Elective (PE)	6	18
4	Institute Elective (IE)	4	12
5	Summer Internship	-	6
6	Project Stage-I	-	6
7	Project Stage-II	-	12
8	Project Stage-III	-	12
		Total	**126**
* Each course shall be of 3 credits each			

Module wise break up of number of courses									
Type of Course	Total Courses	Module No							
		1	2	3	4	5	6	7	8
Institute Core	12	6	3	2	Summer Internship	1			
Program Core	8		3	3		2			
Program Elective	6			1		3	2		
Institute Elective	4						2	2	
Final Project (Dissertation work)							6 Credits	12 Credits	12 Credits

015

PGDIE Programme Structure – First Year

Post Graduate Diploma in Industrial Engineering (First Year)				
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 1		Industrial Engineering & Productivity Management	3	IC
		Operations Management	3	IC
		Managerial Economics	3	IC
		Marketing Management	3	IC
		Business Communication	3	IC
		Quantitative Techniques for Decision Making	3	IC
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 2		Managerial Accounting	3	IC
		Organization Behavior	3	IC
		Information Systems and Artificial Intelligence	3	IC
		Work System Design	3	PC
		Operations Research	3	PC
		Supply Chain Management	3	PC
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 3		Technology & Innovation Management	3	IC
		Sustainable Development for Business	3	IC
		Facilities and Layout Planning	3	PC
		Procurement and Materials Management	3	PC
		Quality Engineering and Management	3	PC
		Programme Elective -1	3	PE
		Total	18	
Module 4		Summer Internship	6	
		Total Credits -First Year	**60**	

EC 016

PGDIE Programme Structure – Second Year

Post Graduate Diploma in Industrial Engineering (Second Year)				
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 5		Legal and Ethical Aspects of Business	3	IC
		Human factor Engineering	3	PC
		Project Management	3	PC
		Programme Elective – 2	3	PE
		Programme Elective – 3	3	PE
		Programme Elective – 4	3	PE
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 6		Programme Elective – 5	3	PE
		Programme Elective – 6	3	PE
		Institute Elective – 1	3	IE
		Institute Elective – 2	3	IE
		Project Stage-I	6	
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 7		Institute Elective – 3	3	IE
		Institute Elective – 4	3	IE
		Project Stage-II	12	
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 8		Project Stage-III	12	
		Total Credits -Year 2	66	
		Total Course Credits	***126***	

PGDMM Programme Structure – First Year

Post Graduate Diploma in Manufacturing Management (First Year)				
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 1		Industrial Engineering & Productivity Management	3	IC
		Operations Management	3	IC
		Managerial Economics	3	IC
		Marketing Management	3	IC
		Business Communication	3	IC
		Quantitative Techniques for Decision Making	3	IC
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 2		Managerial Accounting	3	IC
		Organization Behavior	3	IC
		Information Systems and Artificial Intelligence	3	IC
		Work System Design	3	PC
		Quality Engineering and Management	3	PC
		Supply Chain Management	3	PC
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 3		Technology & Innovation Management	3	IC
		Sustainable Development for Business	3	IC
		Manufacturing Strategy	3	PC
		Manufacturing System Design	3	PC
		Manufacturing Planning and Control	3	PC
		Programme Elective -1	3	PE
		Total	18	
Module 4		Summer Internship	6	
		Total Credits -First Year	**60**	

PGDMM Programme Structure – Second Year

Post Graduate Diploma in Manufacturing Management (Second Year)				
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 5		Legal and Ethical Aspects of Business	3	IC
		Facilities and Layout Planning	3	PC
		Industrial Ergonomics	3	PC
		Programme Elective – 2	3	PE
		Programme Elective – 3	3	PE
		Programme Elective – 4	3	PE
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 6		Programme Elective – 5	3	PE
		Programme Elective – 7	3	PE
		Institute Elective – 1	3	IE
		Institute Elective – 2	3	IE
		Project Stage-I	6	
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 7		Institute Elective – 3	3	IE
		Institute Elective – 4	3	IE
		Project Stage-II	12	
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 8		Project Stage-III	12	
		Total Credits -Year 2	66	
		Total Course Credits	***126***	

PGDPM Programme Structure – First Year

Post Graduate Diploma in Project Management (First Year)				
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 1		Industrial Engineering & Productivity Management	3	IC
		Operations Management	3	IC
		Managerial Economics	3	IC
		Marketing Management	3	IC
		Business Communication	3	IC
		Quantitative Techniques for Decision Making	3	IC
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 2		Managerial Accounting	3	IC
		Organization Behavior	3	IC
		Information Systems and Artificial Intelligence	3	IC
		Project Appraisal and Feasibility	3	PC
		Project Planning and Scheduling	3	PC
		Project Finance and Cost budgeting	3	PC
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 3		Technology & Innovation Management	3	IC
		Sustainable Development for Business	3	IC
		Project Execution	3	PC
		Project Risk Management	3	PC
		Agile Project Management	3	PC
		Programme Elective -1	3	PE
		Total	18	
Module 4		Summer Internship	6	
		Total Credits -First Year	**60**	

PGDPM Programme Structure – Second Year

Post Graduate Diploma in Project Management (Second Year)				
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 5		Legal and Ethical Aspects of Business	3	IC
		Project Site and Plant Design	3	PC
		Strategic Project Management	3	PC
		Programme Elective – 2	3	PE
		Programme Elective – 3	3	PE
		Programme Elective – 4	3	PE
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 6		Programme Elective – 5	3	PE
		Programme Elective – 7	3	PE
		Institute Elective – 1	3	IE
		Institute Elective – 2	3	IE
		Project Stage-I	6	
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 7		Institute Elective – 3	3	IE
		Institute Elective – 4	3	IE
		Project Stage-II	12	
		Total	**18**	
Module	**Course Code**	**Course Title**	**Credits**	**Course Type**
Module 8		Project Stage-III	12	
		Total Credits -Year 2	66	
		Total Course Credits	***126***	

INSTITUTE CORE (IC) COURSES

List of Institute Core (IC) courses – (PGDIE/ PGDMM/ PGDPM)			
Sr No	**Course Code**	**Course Title**	**Credits**
1		Industrial Engineering & Productivity Management	3
2		Operations Management	3
3		Managerial Economics	3
4		Marketing Management	3
5		Business Communication	3
6		Quantitative Techniques for Decision Making	3
7		Managerial Accounting	3
8		Organization Behavior	3
9		Information Systems and Artificial Intelligence	3
10		Technology & Innovation Management	3
11		Sustainable Development for Business	3
12		Legal and Ethical Aspects of Business	3

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PROGRAMME CORE (PC) COURSES

PGDIE Programme

Sr No	Course Code	Course Title	Credits
1.		Work System Design	3
2.		Quality Engineering and Management	3
3.		Supply Chain Management	3
4.		Facilities and Layout Planning	3
5.		Procurement and Materials Management	3
6.		Operations Research	3
7.		Human Factor Engineering	3
8.		Project Management	3

PGDMM Programme

Sr No	Course Code	Course Title	Credits
1.		Work System Design	3
2.		Quality Engineering and Management	3
3.		Supply Chain Management	3
4.		Manufacturing Strategy	3
5.		Manufacturing System Design	3
6.		Manufacturing Planning and Control	3
7.		Facilities and Layout Planning	3
8.		Industrial Ergonomics	3

PGDPM Programme

Sr No	Course Code	Course Title	Credits
1.		Project Appraisal and Feasibility	3
2.		Project Planning and Scheduling	3
3.		Project Finance and Cost budgeting	3
4.		Project Execution	3
5.		Agile Project Management	3
6.		Project Risk Management	3
7.		Project Site and Plant Design	3
8.		Strategic Project Management	3

PROGRAMME ELECTIVE (PE) COURSES

PGDIE Programme

Industrial Engineering and Manufacturing Systems			
Sr No	**Course Code**	**Course Title**	**Credits**
1.		Manufacturing Planning and Control	
2.		Computer Integrated Manufacturing	3
3.		Flexible Manufacturing System	3
4.		Fuzzy Logic & its Applications in Industrial Engineering	3
5.		Global and Collaborative Manufacturing	3
6.		Lean Manufacturing	3
7.		Maintenance Management	3
8.		Manufacturing Strategy	3
9.		Manufacturing System Design	3
10.		Manufacturing Systems and Service Operations	3
11.		Additive Manufacturing	3
12.		Ergonomic Assessment Tools in Industrial Health and Safety Management	3
13.		Ergonomics in Manufacturing Industry	3
14.		Simulation Modeling and Analysis	3
15.		System Dynamics Modeling	3
16.		Intelligent Optimization Techniques for SCM	3
17.		Reliability Engineering	3
Operation and Supply Chain Management			
Sr No	**Course Code**	**Course Title**	**Credits**
1.		Logistics Management	3
2.		Services Operation Management	3
3.		Supply Chain Analytics	3
4.		International Operations Management	3
Decision Science and Information Systems			
Sr No	**Course Code**	**Course Title**	**Credits**
1.		Information Systems for Manufacturing Asset Management	3
2.		Emerging Technologies in Manufacturing	3
3.		Fuzzy Logic for Problem Solving	3
4.		Multi-Objective Optimization	3
5.		Business Analytics using Data Mining	3
6.		Enterprise Resource Planning	3
7.		IoT for Industrial Applications	3
8.		Cloud Computing for Business	3
9.		Big Data Analytics	3

10.		Business Research Methods	3
11.		Additional Topics in Artificial Intelligence	3
12.		Agile Business through Digital Transformation	3
13.		Business Process Management for Risk and Performance Management	3
14.		Business Intelligence, Decision Support System & AI Applications	3
15.		Concepts in Machine Learning	3
16.		Concepts in Data Structure and Algorithm with Python Programming	3
17.		E-Commerce System for Business	3
18.		E-Customer Relationship Management	3
19.		IT Consultancy Management	3
20.		Digital Strategy	3
21.		IT Risk Management	3
22.		Data Analytics and Knowledge Management	3
23.		Advanced Statistics	3
24.		Time Series and Forecasting	3
25.		Multivariate Data Analysis	3
26.		Advanced Operations Research	3
27.		Agent Based Modeling and Simulation	3
28.		Markovian Decision Process	3

Engineering Technology and Project Management

Sr No	Course Code	Course Title	Credits
1.		Network Manufacturing	3
2.		Design of a Smart Manufacturing Plant	3
3.		Strategic New Product Development	3
4.		Model based approach to Project Management	3
5.		Competitive Intelligence, Networks and strategy modelling	3
6.		Management of Technology Transfer and Acquisition	3
7.		Project Risk Management	3
8.		Managing Global Projects	3
9.		R&D Project Management	3
10.		Management of Intellectual Property	3
11.		Roadmap Through Innovation Forecasting And Foresight	3
12.		Managing Creativity	3
13.		Business Models for Digital Platform	3
14.		Managing Complex and Large Engineering Projects	3
15.		Technology Entrepreneurship for Engineers	3

PROGRAMME ELECTIVE (PE) COURSES

PGDMM Programme

Industrial Engineering and Manufacturing Systems			
Sr No	**Course Code**	**Course Title**	**Credits**
1.		Product Life Cycle Management	3
2.		Design for Manufacturing & Assembly	3
3.		Strategic Procurement	3
4.		Lean Product Development	3
5.		Additive Manufacturing	3
6.		Reliability Engineering	3
7.		Network & Collaborative Manufacturing	3
8.		Lean manufacturing	3
9.		Product Design, Process Planning and Cost Estimation	3
10.		Simulation Modeling and Analysis	3
11.		System Dynamics Modeling	3
12.		Maintenance Management	3
13.		Flexible Manufacturing System	3
14.		Computer Integrated Manufacturing	3
15.		Manufacturing Modeling - Quantitative Approach	3
16.		Intelligent Optimization Techniques for SCM	3
Operations and Supply Chain Management			
Sr No	**Course Code**	**Course Title**	**Credits**
1.		Supply Chain & Inventory Management	3
2.		International Operations Management	3
3.		Supply Chain Analytics	3
4.		Logistics Management	3
Decision Sciences and Information Systems			
Sr No	**Course Code**	**Course Title**	**Credits**
1.		Operations Research	3
2.		Information Systems for Manufacturing Asset Management	3
3.		Emerging Technologies in Manufacturing	3
4.		Business Analytics using Data Mining	3
5.		Enterprise Resource Planning	3
6.		IoT for Industrial Applications	3
7.		Big Data Analytics	3
8.		Business Research Methods	3
9.		Additional Topics in Artificial Intelligence	3
10.		Agile Business through Digital Transformation	3

11.		Business Process Management for Risk and Performance Management	3
12.		Business Intelligence, Decision Support System & AI Applications	3
13.		Concepts in Machine Learning	3
14.		Concepts in Data Structure and Algorithm with Python Programming	3
15.		E-Commerce System for Business	3
16.		E-Customer Relationship Management	3
17.		IT Consultancy Management	3
18.		Digital Strategy	3
19.		IT Risk Management	3
20.		Data Analytics and Knowledge Management	3
21.		Advanced Statistics	3
22.		Time Series and Forecasting	3
23.		Multivariate Data Analysis	3
24.		Advanced Operations Research	3
25.		Agent Based Modeling and Simulation	3
26.		Markovian Decision Process	3

Engineering Technology and Project Management

Sr No	Course Code	Course Title	Credits
1.		Project Management	3
2.		Network Manufacturing	3
3.		Design of a Smart Manufacturing Plant	3
4.		Strategic New Product Development	3
5.		Model based approach to Project Management	3
6.		Competitive Intelligence, Networks and strategy modelling	3
7.		Management of Technology Transfer and Acquisition	3
8.		Project Risk Management	3
9.		Managing Global Projects	3
10.		R&D Project Management	3
11.		Management of Intellectual Property	3
12.		Roadmap Through Innovation Forecasting And Foresight	3
13.		Managing Creativity	3
14.		Business Models for Digital Platform	3
15.		Managing Complex and Large Engineering Projects	3
16.		Technology Entrepreneurship for Engineers	3

PROGRAMME ELECTIVE (PE) COURSES

PGDPM Programme

Industrial Engineering and Manufacturing Systems			
Sr No	Course Code	Course Title	Credits
1.		Simulation Modeling and Analysis	3
2.		System Dynamics Modeling	3
Operation and Supply Chain Management			
Sr No	Course Code	Course Title	Credits
1		Logistics Management	3
2		Services Operation Management	3
3		Supply Chain Analytics	3
Decision Sciences and Information Systems			
Sr No	Course Code	Course Title	Credits
1.		Operations Research	3
2.		Business Analytics using Data Mining	3
3.		Enterprise Resource Planning	3
4.		Managing Digital Transformation in the Enterprise	3
5.		Big Data Analytics	3
6.		Business Research Methods	3
7.		Additional Topics in Artificial Intelligence	3
8.		Agile Business through Digital Transformation	3
9.		Business Process Management for Risk and Performance Management	3
10.		Business Intelligence, Decision Support System & AI Applications	3
11.		Concepts in Machine Learning	3
12.		Concepts in Data Structure and Algorithm with Python Programming	3
13.		E-Commerce System for Business	3
14.		E-Customer Relationship Management	3
15.		IT Consultancy Management	3
16.		Digital Strategy	3
17.		IT Risk Management	3
18.		Data Analytics and Knowledge Management	3
19.		Advanced Statistics	3
20.		Time Series and Forecasting	3
21.		Multivariate Data Analysis	3
22.		Advanced Operations Research	3
23.		Agent Based Modeling and Simulation	3
24.		Markovian Decision Process	3

Engineering Technology and Project Management			
Sr No	**Course Code**	**Course Title**	**Credits**
1.		Project Procurement & Contracts Management	3
2.		Quantitative Modelling for Project Management	3
3.		Technology Entrepreneurship for Engineers	3
4.		Management of Technology Transfer and Acquisition	3
5.		Competitive Intelligence, Networks and strategy modeling	3
6.		R&D Project Management	
7.		Strategic New Product Development	3
8.		Managing complex and large engineering projects	3
9.		Model based approach to project management	3
10.		Management of Intellectual Property	3
11.		Managing Creativity	3
12.		Project Stakeholder & Communications Management	3
13.		Project Configuration and Change Management	3
14.		Safety in Construction Management	3
15.		Event Management	3
16.		Healthcare Project Management	3
17.		Real Estate Development and Management	3
18.		Program Management	3
19.		Project Negotiation Management	3
20.		Managing Global Projects	3
21.		R&D Project Management	3
22.		Management of Intellectual Property	3
23.		Roadmap Through Innovation Forecasting And Foresight	3
24.		Managing Government/Defense projects	3
25.		Business Models for Digital Platform	3

INSTITUTE ELECTIVE (IE) COURSES

PGDIE/ PGDMM/ PGDPM Programme

Accounting and Finance			
Sr No	**Course Code**	**Course Title**	**Credits**
1.		Financial Management	3
2.		Mergers, Acquisitions And Corporate Restructuring	3
3.		Financial Risk Management	3
4.		Strategic Cost Management	3
5.		Financial Time Series Modelling	3
6.		Investment Analysis And Portfolio Management	3
7.		Derivatives And Financial Modelling	3
8.		International Finance	3
9.		Fixed Income And Structured Finance	3
10.		Commercial Bank Management	3
11.		Analytical Finance	3
12.		Asset Valuation And Modeling	3
13.		Financial Intermediaries And Markets	3
14.		Advanced Financial Statement Analysis	3
15.		Infrastructure Finance And Project Management	3
Economics and Strategy			
Sr.No	**Course Code**	**Course Title**	**Credits**
1.		Macroeconomic Environment and Policy	3
2.		Industrial Organization	3
3.		Business Analysis and Econometric Applications	3
4.		Industrial Resource Economics	3
5.		Digital Economics	3
6.		Indian Economy	3
7.		Network Economics	3
8.		Global Competitiveness	3
9.		Public Systems and Policy	
Environmental Engineering Management			
Sr.No	**Course Code**	**Course Title**	**Credits**
1.		Environmental Impact Assessment for Development Projects (IE/PM)	3
2.		Shop Floor Waste Management (IE/MM)	3
3.		Strategic Corporate Social Responsibility (IE)	3
4.		Sustainability Standards & Guidelines (IE/MM)	3
5.		Energy Management (IE/MM)	3
6.		Sustainable Operations Management (IE/MM)	3

7.		Business strategies for sustainability (MM/PM)	3
8.		Environmentally sustainable strategy & operations (MM)	3

Marketing

Sr.No	Course Code	Course Title	Credits
1.		Marketing for Hi Tech Products	3
2.		Pricing for Industrial Products	3
3.		Services Marketing	3
4.		Marketing Research	3
5.		Marketing Analytics	3
6.		International Marketing	3
7.		Digital Marketing	3

Organization Behaviour and Human Resource

Sr.No	Course Code	Course Title	Credits
1.		Human Resource Management	3
2.		Principles of Organization and Management	3
3.		Training and Development	3
4.		Organizational Change and Development	3
5.		Cognitive Psychology	3
6.		Leadership Development	3
7.		Cross Cultural Development	3
8.		Managing Human Resources and Industrial Relations	3
9.		Soft Skills Development	3
10.		Qualitative Research	3
11.		Entrepreneurship Development	3
12.		AICTE Student Startup	3
13.		HR Analytics	

Annexure – 4

Curriculum Review

Post-Graduate Diploma in Industrial Management

March 2018

National Institute of Industrial Engineering
Mumbai-400087

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POST GRADUATE DIPLOMA IN INDUSTRIAL MANAGEMENT

PROPOSED STRUCTURE

Types of Course	No of Course	Purpose of the course
Institute core	12 courses common across all the programs	These courses are designed to provide the foundations and are to be aligned with the Institutes vision, mission & objectives. These courses will primarily be designed to achieve Understanding, Applying Analyzing skills.
Program core	8 courses. These will be specific to the program and decided by Area (Parent area)	These courses are designed to differentiate the programme and will align with the programme objectives. These courses will primarily be to achieve Understanding & Applying
Program elective (Major Stream)	12 courses	These courses are designed to increase the depth by strengthening the learning in the respective program domains. These courses are designed to achieve higher level order of learning in the cognitive domain like Analyzing, Evaluating and Creating skills.
Institute Elective (Minor Stream)	3 courses.	These courses are designed to offer the breadth and be able to understand and analyze Industry requirements. These will complement the Program electives. These courses are designed to achieve higher level order of learning in the cognitive domain like Analyzing, Evaluating and Creating skills

S. No.	Coverage	No. of Courses*	Credits
	Institute Core	12	36
	Programme Core	8	24
	Programme Electives	12	36
	Institute Electives	3	9
	Summer Internship (8 Weeks)	-	6
	Field Project	-	6
	Total	35	117

**Each course shall be of 3 credits each.*

PGDIM CURRICULUM

Module	Course Code	Course Title	IC/PC/ PE/IE	Credits
I	01	Industrial Engineering and Productivity Management	IC1	3
	02	Operations Management	IC2	3
	03	Marketing Management	IC3	3
	04	Managerial Economics	IC4	3
	05	Business Communication (Skill based course)	IC5	3
	06	Quantitative Techniques for Decision Making	IC6	3
		Total		**18**
Module	**Course Code**	**Course Title**		**Credits**
II	01	Information Systems and Artificial Intelligence	IC7	3
	02	Organization Behavior	IC8	3
	03	Managerial Accounting	IC9	3
	04	B2B Marketing	PC1	3
	05	Business Analytics	PC2	3
	06	Procurement and Materials Management	PC3	3
		Total		**18**
Module	**Course Code**	**Course Title**		**Credits**
III	01	Sustainable Development for Business	IC10	3
	02	Technology and Innovation Management	IC11	3
	03	Financial Management	PC4	3
	04	Supply Chain Management	PC5	3
	05	Human Resources Management	PC6	3
	06	Programme Elective 1	PE1	3
		Total		**18**
Module	**Course Code**	**Course Title**		**Credits**
IV		Summer Project		6

Module	Course Code	Course Title		Credits
V	01	Legal and Ethical Aspects of Business	IC12	3
	02	Strategic Management	PC7	3
	03	Business Research Methods	PC8	3
	04	Programme Elective -2	PE2	3
	05	Programme Elective -3	PE3	3
	06	Programme Elective -4	PE4	3
		Total		**18**

Module	Course Code	Course Title		Credits
VI	01	Programme Elective -5	PE5	3
	02	Programme Elective -6	PE6	3
	03	Institute Elective -1	IE1	3
	04	Institute Elective -2	IE2	3
	05	Institute Elective -3	IE3	3
	06	Institute Elective -4	IE4	3
		Total		**18**
Module	**Course Code**	**Course Title**		**Credits**
VII	01	Programme Elective -7	PE7	3
	02	Programme Elective -8	PE8	3
	03	Programme Elective -9	PE9	3
	04	Institute Elective -5	IE5	3
	05	Institute Elective -6	IE6	3
		Total		**15**

PGDIM students are offered programme core / electives from six areas namely OBHR. Marketing, Finance & Accounting, DSIS, OSCM and Economics and Strategy. Whereas, Institute core and electives are offered by all the nine areas.

PGDIM CURRICULUM

List of Institute Core

S. No.	Title of the Institute Core Course	No. of Credits
1.	Industrial Engineering and Productivity Management	03
2.	Operations Management	03
3.	Marketing Management	03
4.	Business Communication	03
5.	Quantitative Techniques for Decision Making	03
6.	Managerial Economics	03
7.	Information Systems and Artificial Intelligence	03
8.	Managerial Accounting	03
9.	Organisation Behaviour	03
10.	Sustainable Development for Business	03
11.	Technology and Innovation Management	03
12.	Legal and Ethical Aspects of Business	03

List of Programme Core

S. No.	Title of the Programme Core Course	No. of Credits
13.	Strategic Management	03
14.	B2B Marketing	03
15.	Financial Management	03
16.	Operations Research	03
17.	Supply Chain Management	03
18.	Human Resources Management	03
19.	Procurement and Materials Management	03
20.	Business Research Methods	03

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Programme Electives

S. No.	Title of the Programme Elective Course	No. of Credits
	Economic and Strategy	
1	International Business Strategy	03
2	Global Trade and Institutions	03
3	Environmental Economics	03
4	Economics of Retailing and Distribution	03
5	Economics of Regulation	03
6	Economics of Climate Change	03
7	Application of Game Theory in Economics	03
8	Mergers and Acquisitions	03
9	Economics of Strategy	03
10	Macroeconomic Environment and Policy	03
11	Industrial Organization	03
12	Business Analysis and Econometric Applications	03
13	Industrial Resource Economics	03
14	Digital Economics	03
15	Indian Economy	03
16	Behavioural Economics	03
17	Network Economics	03
18	Global Competitiveness	03
19	Public Systems and Policy	03

Course Code	Title of the Programme Elective Course	No. of Credits
	FINANCE & ACCOUNTS	
1	Mergers Acquisitions and Valuations	03
2	Financial Risk Management	03
3	Strategic Cost Management	03
4	Financial Time Series Modelling	03
5	Investment Analysis and Portfolio Management	03
6	Derivatives and Financial Modelling	03
7	International Finance	03
8	Fixed Income and Structured Finance	03
9	Commercial Bank Management	03
10	Analytical Finance	03
11	Asset Valuations and Modelling	03
12	Financial Intermediaries and Capital Markets	03
13	Advance Financial Statement Analysis	03

S.NO.	Title of the Programme Elective Course	No. of Credits
	OBHR	
1	Leadership Development	03
2	Cross Cultural Management	03
3	Managing Human Resource and Industrial Relations	03
4	Soft Skill Development	03
5	Qualitative Research	03
6	Entrepreneurship Development	03
7	AICTE Student Startups Corporate	03
8	Principles of Management	03
9	Organization Development	03
10	Competency Assessment and Development	03
11	Strategic HRM	03
12	Training and Development	03
13	HR Analytics	03
14	Managing Negotiation	03
15	Positive Psychology in Organization	03
16	Understanding Personality	03
17	Social Psychology	03
18	Managing Your Career: Strategies for early careers	03
19	Virtual Learning for Mass Communication	03
20	Bhagavad Gita for Managers	03

Course Code.	Title of the Programme Elective Course	No. of Credits
	MARKETING	
1	Advertising	03
2	Brand Management	03
3	Consumer Behavior	03
4	Digital Marketing	03
5	International Marketing	03
6	Marketing Research	03
7	Marketing Analytics	03
7	Green Marketing	03
8	Pricing of Products and Services	03
9	Sales and Distribution Management	03
10	Services Marketing	03
11	Retail Management	03
12	Rural Marketing	03

S. No	Title of the Programme Elective Course	No. of Credits
	OSCM	
1	Logistics Management	03
2	Services Operations Management	
3	Supply Chain Analytics	
4	Supply Chain and Inventory Management	

S. No.	Title of the Programme Elective Course	No. of Credits
	DSIS	
1	Decision Making Under Uncertainty	03
2	Multi-Objective Optimization	03
3	Operations Research	03
4	Enterprise Resource Planning (ERP)	03
5	Business Analytics Using Data Mining	03
6	Cloud Computing for Business	03
7	Managing Digital Transformation in the Enterprise	03
8	Big Data Analytics	03
9	Agile Business through Digital Transformation	03
10	Business Value of IT	03

Institute Electives

S. No.	Title of the Institute Elective Course	No. of Credits
	IEMS	
1	Simulation Modeling and Analysis	03
2	System Dynamics Modeling	03
3	Intelligent Optimization Techniques for SCM	03

S. No.	Title of the Institute Elective Course	No. of Credits
	ETPM	
1	Strategic New Product Development	03
2	Project Risk Management	03
3	Management of Technology transfer and acquisition	03
4	Managing creativity	03
5	Management of Intellectual Property	03
6	Business Models for Digital Platforms	03
7	Design of a Smart Manufacturing Plant	03
8	Competitive Intelligence, Networks and Strategy Modelling	03
9	Managing Complex and Large Engineering Projects	03
10	Project Management	03

S. No.	Title of the Institute Elective Course	No. of Credits
	EEM	
1	Strategic CSR	03
2	Sustainability Standards and Guidelines	03
3	Energy Efficiency and Carbon Management	03

	Title of the Institute Elective Course	No. of Credits
	DSIS	
S. No	INSTITUTE ELECTIVES	03
1	Additional Topics in Artificial Intelligence	03
2	Business Process Management for Risk and Performance Management	03
3	Business Intelligence, Decision Support System & AI application	03
4	Concepts in Machine Learning	03
5	Concepts in Data Structure and Algorithm with Python Programming	03
6	E-Commerce System for Business	03
7	IT Consultancy Management	03
8	E-Customer Relationship Management	03
9	Digital Strategy	03
10	IT Risk Management	03
11	Data Analytics and Knowledge Management	03
12	Advanced Statistics	03
13	Time Series and Forecasting	03
14	Multivariate Data Analysis	03
15	Advanced Operations Research	03
16	Agent Based Modeling and Simulation	03
17	Markovian Decision Process	03

ACADEMIC CALENDAR 2020-2021

Junior IE-50, IM-27, ISEM-20, MM-07 & PM-07/Fellow 2020			Senior IE-49, IM-26, ISEM-19, MM-06 & , PM-06/Fellow		
Event			**Event**		
I Quarter / Module	**Start**	**End**	**V Quarter / Module**	**Start**	**End**
Academic Session Begins/Orientation Sessions for Junior Batch	27-07-2020		**Registration**	15-07-2020	
			Summer Project Presentation	29-06-2020	04-07-2020
Quarter/Module –I Session (10 Weeks)	27-07-2020	01-10-2020	Quarter/Module – V Sessions (10 Weeks)	15-07-2020	24-09-2020
Quarter/Module I End Exam	05-10-2020	10-10-2020	Quarter/Module V End Exam	25-09-2020	03-10-2020
Summer Placement/PPT Evaluation Break					
Quarter Module I Submission of Results by Faculty			Quarter/Module V Submission of Results by Faculty	21-10-2020	
Summer Placement Process					
II Quarter/Module			**VI Quarter/Module**		
II Quarter/Module Registration	11-10-2020		VI Quarter/Module Registration	11-10-2020	
II Quarter/Module Sessions (15 weeks)	12-10-2020	24-12-2020	Module VI Sessions (15 weeks)	12-10-2020	24-12-2020
SIP PPT 15-10-2020 (AN)	15-10-2020	18-10-2020	LRP	23-11-2020	27-11-2020
SIP Interview	19-10-2020	23-10-2020			
II Quarter/Module End Exam SLOT	04-01-2021	09-01-2021	VI Quarter/Module End Exam Slot	04-01-2021	09-01-2021
Quarter Module II Submission of Results by Faculty	25-01-2021		Quarter/Module V Submission of Results by Faculty	25-01-2020	
Moderation of Results	29-01-2021			29-01-2020	
Avartan	31-10-2020 - 08-11-2020 (2nd November 2020 - Class suspended) - Avartan on Weekend, and 6 pm - 8 pm on Weekdays				
Faculty Winter Vacation	25-12-2020 to 03-01-2021				
			IE/MM/PM Stage I Evaluation of Final Project	10-12-2021	24-12-2021
			CRP	11-01-2021	15-01-2021
Quarter/Module III Registration	11-01-2021		Quarter/Module VII Registration	(17-01-2021)	
Quarter/Module III Sessions (10 weeks)	11-01-2021	19-03-2020	Quarter/Module VII Sessions (IM & ISEM) (10 weeks) (IE/MM/PM)	18-01-2021	26-03-2021
			IE, MM, PM Stage II Evaluation of Final Project	05-03-2021	19-03-2021
Quarter/Module III End Exam	22-03-2021	27-03-2021	IE/MM/PM, IM, ISEM Quarter/Module VII End Exam	05-04-2021	09-04-2021
GDPI PGDIM/ISEM Admissions	29-03-2020	02-04-2020			
GDPI PGDIE/MM/PM & Fellow Admissions	26-04-2020	30-04-2020			
Quarter/Module III Submission of Results	17-04-2021		Quarter/Module VII Submission of Results	23-04-2021	
Moderation of Results	22-04-2021				
VIII Quarter/Module					
Quarter/Module IV Summer Project (8 weeks)	05-04-2021	28-05-2021	Final Project Final Stage Evaluation of IE, MM and PM	17-05-2021	31-05-2021
Submission of Summer Project Reports & Presentation	08-06-2021	12-06-2021			
Faculty Summer Vacation (45 days)			05-04-2021 to 04-06-2021		
Abhisanskaran (Freshers)	08-06-2021	12-06-2021			

Dean (Academic)

TIME TABLE (Jouinor & Senior Batch)

3rd & 7th MODULE (January- March 2020) - CORE & ELECTIVES

Session: 13-01-2020 to 20-03-2020 - Examination: 21-03-2020 to 27-03-2020

			CR 201	CR 202	CR 203	CR 204	CR 205	CR 206	LH 01	LH 02	LH 03	CR 313	CR 314	CR 315	CR 316	CR 405	CR 406
			72	72	20	72	72	72	90	90	72	50	50	90	30	50	50
Slot 1	Monday 02:40 P.M. - 4:10 P.M.	Tuesday 02:40 P.M. - 4:10 P.M.	Procurement and Materials Management (GKB) IE-A (PC)	Quality Engineering and Management (DJP) IE-B (PC)	Business Strategies for Climate Change-ISEM(SGS) (SR)	Supply Chain Management (GF) IM-D (PC)	Human Resource Management (SJA) IM-C (PC)	Digital Strategy-IM(GF/HAD) (SR)	Human Resource Management (NKM) IM-A (PC)	Multivariate Data Analysis-IM,ISEM(SCP)(SR)	Supply Chain Management (AKP) IM-B (PC)	Manufacturing Planning and Control (LGP) PC - MM	Project Execution (GF/VBK) PC - PM	Business Analysis and Econometric Applications-IE,PM,MM(PMS)(SR		Sustainable Manufacturing (SGS/AJS) PC- ISEM	
Slot 2	Thrusday 02:40 P.M. - 4:10 P.M.	Friday 02:40 P.M. - 4:10 P.M.	Flexible Manufacturing System- IE,MM(BEN) (JR) (Elective)	Industrial Resource Economics- IM,ISEM(VGA) (JR) (Elective)		Buisness analytics & E-Commerce system-IE,MM,PM(HAD) (JR) (Elective)	HR analytics- IM(SJA) (SR)	Investment Analysis and Portfolio Management- IM, ISEM(AJP(SR)	Retail Management-IM(RCH) (JR) (Elective)	Global Competitiveness-IE,MM,PM(UCH) (SR)	Digital Marketing-IM(NRP) (JR) (Elective)		Principles of Management-IM(TRP) (JR) (Elective)	Simulation Modelling and analysis-IE(LGP) (JR) (Elective)	Game Theory-IM(MMZ) (JR) (Elective)		
Slot 3	Monday 04:15 P.M. - 5:45 P.M.	Tuesday 04:15 P.M. - 5:45 P.M.	Buisness Process Managemnet- IM(RVM/GF) (SR)						Strategi CSR-IE,IM,ISEM(SGS) (SR)	Project Risk Management - IM,ISEM(VBK)(SR)	IT Consultancy Management-IM,ISEM(HAD)						
Slot 4	Thrusday 04:15 P.M. - 5:45 P.M.	Friday 04:15 P.M. - 5:45 P.M.	Operations Research-IM(SCP) (Jr.) (IM/ISEM) (JR) (Elective)	Logistic Management-IE(SSH) (JR) (Elective)		Concepts of Machine learning IE,MM,PM(DBD) (JR) (Elective)	Competency Assesment and Development- IM(DKS)(SR)		Marketing Research-IE,IM,ISEM (SVR)(SR)	Business Analysis and Econometric Applications-IM,ISEM(PMS)(SR)						Disaster Management-ISEM(SUN) (JR) (Elective)	
Slot 5	Tuesday 10:35 A.M. - 12:05 P.M.	Wednesday 12:10 P.M. - 1:40 P.M.	Sustainable Development for Buisness (SUN)- IC Jr A	Sustainable Development for Buisness (SGS/VVG) IC Jr B		Technology and Innovation Management(RUG)- IC Jr C	Sustainable Development for Buisness (SMU)- IC Jr D	Sustainable Development for Buisness (AJS)- IC Jr E	Technology and Innovation Management(KRN)- IC Jr F	Indian Economy-IE,IM,ISEM,PM,MM (VGA/UCH) (SR)	Sustainable Development for Buisness (GF)- IC Jr H	Multi-Objective Optimization-IM(RVM) (SR)	Mergers, Aquasitions and valuations-IM,ISEM(GF) (SR)				
Slot 6	Thrusday 10:35 A.M. - 12:05 P.M	Thrusday 12:10 P.M. - 1:40 P.M..															
Slot 7	Monday 09:00 A.M. - 10:30 A.M.	Wednesday 10:35A.M. -12:05 P.M.	Technology and Innovation Management(RUG)- IC Jr A			Sustainable Development for Buisness (AJS)- IC Jr C	Technology and Innovation Management(RUG/GF)- IC Jr D	Technology and Innovation Management(KRN)- IC Jr E	Sustainable Development for Buisness (SGS/VVG)- IC Jr F	Sustainable Development for Buisness (SMU)- IC Jr G	Technology and Innovation Management(KRN/GF)- IC Jr H						
Slot 8	Monday 12:10 P.M. - 1:40 A.M.	Tuesday 12:10 P.M. -1:40 P.M.	Facilities and Layout Planning (PMV/BEN) IE-A (PC)	Facilities and Layout Planning (PMV/BEN) IE-B (PC)	Energy Management(AJS) (SR)	Financial Management (AJP) IM-D (PC)	Supply Chain Management (SHN) IM-C (PC)	Advance Operation Research-IM(LGP) (SR)	Supply Chain Management (AKP) IM-A (PC)	System Dynamics Modelling-IM,ISEM(PNA) (SR)	Human Resource Management (NKM) IM-B (PC)	Manufacturing Strategy (MMA) PC - MM	Project Risk Management (RUG) PC - PM	Digital Strategy (2 slot)-IM,ISEM(GF/HAD) (SR)		Process Safety Management (SMU) PC - ISEM	Macroeconomic Policy and Environment-IE,MM,PM(MMZ) (SR)
Slot 9	Thrusday 09:00 A.M. -10:30 A.M.	Friday 09:00 A.M.-10:30 A.M.	Mergers and Acquisitions-IM(SSB) (SR.)	Sales and Distribution Management-IM(RCH) (SR)					Finacial Time series modelling-IE,IM,ISEM,PM,MM(VKS								
Slot 10	Tuesday 09:00 A.M. -10:30 A.M.	Monday 10:35 A.M.-12:05 P.M.	Financial Analytics-IM(GF) (SR)	Technology and Innovation Management (RUG)- IC Jr B	Fire and Safety Management - ISEM(VVG) (SR)				Managing Negotiations-IM,ISEM(UAA) (SR)	Technology and Innovation Management(KRN)- IC Jr G							
Slot 11	Wednesday 09:00 A.M. -10:30 A.M.	Friday 10:35 A.M.-12:05 P.M.	Quality Engineering and Management (GF) IE-A (PC)	Procurement and Materials Management (GKB) IE-B (PC)		Human Resource Management (SKB) IM-D (PC)	Financial Management (GF/AJP) IM-C (PC)	Managing Negotiations-IE,MM,PM(UAA) (SR)	Financial Management (GF/AJP) IM-A (PC)		Financial Management (GF/AJP) IM-B (PC)	Manufacturing System Design (BEN) PC - MM	Agile Project Management (GF/KNJ) PC - PM			Supply Chain Management (SHN) PC -ISEM	
Slot 12																	
Slot 13																	
Slot 14																	
Slot 15																	
Slot 16																	
Slot 17																	

	Institute Core
	Programme Core
	SR Batch Elective
	Junior batch Elective

DEAN (ACADEMICS)

Prof. Ajaya Kumar Panda	AJP	Prof. Kanchan Joshi	KNJ	Prof. Ranjan Choudhary	RCH	Prof. T Prasad	TRP
Prof. (Ms.) Anju Singh	AJS	Prof. B Koteswara Rao Naik	KRN	Prof. (Ms.) Ruchita Gupta	RUG	Prof. Upsana Agarwal	UAA
Prof. A K Pundir	AKP	Prof. Milind M Akarte	MMA	Prof. (Ms.) Seema Unnikrishnan	SUN	Prof. Utpal Chattoadhyay	UCH
Prof. Prof. B E Narkhade	BEN	Prof. Mainak Majumdar	MMZ	Prof. Sanjay Sharma	SSH	Prof. (Ms.) Vijaya Gupta	VGA
Prof. D K Srivastava	DKS	Prof. Nikhil K Mehta	NKM	Prof. Shankar Murthy	SMU	Prof. V B Khanapuri	VBK
Prof. Debabrata Das	DBD	Prof. Neeraj Pandey	NRP	Prof. Shirish G Sangle	SGS	Prof. V V Gedam	VVG
Prof. (Ms.) D Jenil Persis	DJP	Prof. Padmanav Acharya	PNA	Prof. (Ms.) Sumi Jha	SJA	Guest Faculty	GF
Prof. Gaurav Kabra	GKB	Prof. (Ms.) Priyanka Verma	PMV	Prof. S S Bhattachary	SSB		
Prof. L Ganapathy	LGP	Prof. (Ms.) Poonam Singh	PMS	Prof.Sushitma Narayanan	SHN		
Prof. Hema A Date	HAD	Prof. Rakesh Verma	RVM	Prof. Sumant Kumar Bishwas	SKB		

Term Ending Examination Time-Table I and V Module								
Sl. No.	**Date**	**Days**	**Module**	**Program**	**Batch**	**Batch Name**	**Category of Subject**	**Name of the Subject**
1	25-09-2020	Friday	V	NA	2019-2019	Senior	IC12	Legal And Ethical Aspects
2	26-09-2020	Saturday	V	PGDIE-49	2019-2019	Senior	PC7	Human Factor Engineering
3	26-09-2020	Saturday	V	PGDIM-26	2019-2019	Senior	PC7	Strategic Management
4	26-09-2020	Saturday	V	PGDISEM-19	2019-2019	Senior	PC7	Strategic Management
5	26-09-2020	Saturday	V	PGDMM-06	2019-2019	Senior	PC8	Industrial Ergonomics
6	26-09-2020	Saturday	V	PGDPM-06	2019-2019	Senior	PC8	Strategic Project Management
7	27-09-2020	Sunday	V	PGDIE-49	2019-2019	Senior	PC8	Project Management
8	27-09-2020	Sunday	V	PGDIM-26	2019-2019	Senior	PC8	Business Research Methods
9	27-09-2020	Sunday	V	PGDISEM-19	2019-2019	Senior	PC8	Project Management
10	27-09-2020	Sunday	V	PGDMM-06	2019-2020	Senior	PC7	Facilities And Layout Planning (Project Site And Plant Design)
11	27-09-2020	Sunday	V	PGDPM-06	2019-2021	Senior	PC7	Project Site And Plant Design
12	28-09-2020	Monday	V	NA	2019-2022	Senior	PE	Circular Economy
13	28-09-2020	Monday	V	NA	2019-2022	Senior	PE	Managing Digital Tranformation In Enterprise
14	28-09-2020	Monday	V	NA	2019-2022	Senior	PE	Analytical Finance
15	29-09-2020	Tuesday	V	NA	2019-2022	Senior	PE	Business Intelligence, Decision Support System & AI Applications
16	29-09-2020	Tuesday	V	NA	2019-2022	Senior	PE	Data Analytics And Knowledge Management
17	29-09-2020	Tuesday	V	NA	2019-2022	Senior	PE	Business Analytics Using Data Mining
18	29-09-2020	Tuesday	V	NA	2019-2022	Senior	PE	Macroeconomic Enviroment And Policy
19	29-09-2020	Tuesday	V	NA	2019-2022	Senior	PE	Economics Of Strategy
20	29-09-2020	Tuesday	V	NA	2019-2022	Senior	PE	Leadership Development
21	30-09-2020	Wednesday	V	NA	2019-2022	Senior	PE	Supply Chain Analytics
22	30-09-2020	Wednesday	V	NA	2019-2022	Senior	PE	Business Strategies For Sustainability
23	01-10-2020	Thursday	V	NA	2019-2022	Senior	PE	Operation Research
24	01-10-2020	Thursday	V	NA	2019-2022	Senior	PE	Advanced Operation Research
25	01-10-2020	Thursday	V	NA	2019-2022	Senior	PE	Lean Manufacturing
26	01-10-2020	Thursday	V	NA	2019-2022	Senior	PE	Retail Management
27	01-10-2020	Thursday	V	NA	2019-2022	Senior	PE	Strategic Cost Management
28	02-10-2020	Friday	V	NA	2019-2022	Senior	PE	Logistics Management
29	02-10-2020	Friday	V	NA	2019-2022	Senior	PE	Business Analysis And Ecometic Applications
30	03-10-2020	Saturday	V	NA	2019-2022	Senior	PE	Derivatives And Financial Modelling
31	03-10-2020	Saturday	V	NA	2019-2022	Senior	PE	E-Commerce System For Business
32	03-10-2020	Saturday	V	NA	2019-2022	Senior	PE	Advanced Financial Statement Analysis
33	03-10-2020	Saturday	V	NA	2019-2022	Senior	PE	Energy Efficiency & Carbon Management
34	03-10-2020	Saturday	V	NA	2019-2022	Senior	PE	Enterprise Resource Planning
35	05-10-2020	Monday	I	NA	2019-2022	Senior	IC4	Marketing Management
36	06-10-2020	Tuesday	I	NA	2019-2022	Senior	IC2	Operations Management
37	07-10-2020	Wednesday	I	NA	2019-2022	Senior	IC3	Managerial Economics
38	08-10-2020	Thursday	I	NA	2019-2022	Senior	IC6	Quantitative Techniques for Decision Making
39	09-10-2020	Friday	I	NA	2019-2022	Senior	IC5	Business Communication
40	10-10-2020	Saturday	I	NA	2019-2022	Senior	IC1	Industrial Engineering & Productivity Management

Annexure VI

FACULTY LOAD(2019-2020)

Subject Title	Subject code	Quarter/ Module	CREDITS	FACULTY	FACULTY INITIALS	SECTION	Area	Designation
Industrial Engineering and Productivity Management	IC	1	3	Prof. D Jinil Persis	DJP	A	IEMS	Assistant Professor
Industrial Engineering and Productivity Management	IC	1	3	Prof. Priyanka Verma	PMV	B	IEMS	Assistant Professor
Industrial Engineering and Productivity Management	IC	1	3	Prof. Milind M Akarte	MMA	C	IEMS	Professor
Industrial Engineering and Productivity Management	IC	1	3	Prof. A K Pundir	AKP	D	IEMS	Professor
Industrial Engineering and Productivity Management	IC	1	3	Prof. A K Pundir	AKP	E	IEMS	Professor
Industrial Engineering and Productivity Management	IC	1	3	Prof. Balkrishna Eknath Narkhede	BEN	F	IEMS	Associate Professor
Industrial Engineering and Productivity Management	IC	1	3	Prof. KVSS Narayana Rao	KNR	G	IEMS	Professor
Industrial Engineering and Productivity Management	IC	1	3	Prof. Padmanav Acharya	PNA	H	IEMS	Professor
Business Communication	IC	1	3	Prof. Nikhil Mehta	NKM	A	OBHR	Associate Professor
Business Communication	IC	1	3	Prof. T Prasad	TRP	B	OBHR	Professor
Business Communication	IC	1	3	Prof. Nikhil Mehta	NKM	C	OBHR	Associate Professor
Business Communication	IC	1	3	Prof. Upasna A Agarwal	UAA	D	OBHR	Assistant Professor
Business Communication	IC	1	3	Prof. Nikhil Mehta	NKM	E	OBHR	Associate Professor
Business Communication	IC	1	3	Prof. Upasna A Agarwal	UAA	F	OBHR	Assistant Professor
Business Communication	IC	1	3	Prof. T Prasad	TRP	G	OBHR	Professor
Business Communication	IC	1	3	Prof. T Prasad	TRP	H	OBHR	Professor
Business Communication	IC	1	3	Prof. Upasna A Agarwal	UAA	H	OBHR	Assistant Professor
Marketing Management	IC	1	3	Prof. M K Jha	MKJ	A	Marketing	Professor
Marketing Management	IC	1	3	Guest Faculty	GF	B	Marketing	
Marketing Management	IC	1	3	Prof. Ranjan Chaudhary	RCH	C	Marketing	Associate Professor
Marketing Management	IC	1	3	Prof. Neha Srivastava	NSV	D	Marketing	Assistant Professor
Marketing Management	IC	1	3	Prof. Neha Srivastava	NSV	E	Marketing	Assistant Professor
Marketing Management	IC	1	3	Prof. Neha Srivastava	NSV	F	Marketing	Assistant Professor
Marketing Management	IC	1	3	Prof. Sanjeev Verma	SVR	G	Marketing	Associate Professor
Marketing Management	IC	1	3	Guest Faculty	GF	H	Marketing	
Managerial Economics	IC	1	3	Prof. Vijaya Gupta	VGA	A	E&S	Professor
Managerial Economics	IC	1	3	Prof. Binilkumar A S	ASB	B	E&S	Assistant Professor
Managerial Economics	IC	1	3	Prof. Binilkumar A S	ASB	C	E&S	Assistant Professor
Managerial Economics	IC	1	3	Prof. Utpal Chattopadhyay	UCH	D	E&S	Associate Professor
Managerial Economics	IC	1	3	Prof. Poonam Singh	PMS	E	E&S	Assistant Professor
Managerial Economics	IC	1	3	Prof. Poonam Singh	PMS	F	E&S	Assistant Professor
Managerial Economics	IC	1	3	Prof. Mainak Mazumdar	MMZ	G	E&S	Assistant Professor
Managerial Economics	IC	1	3	Prof. Mainak Mazumdar	MMZ	H	E&S	Assistant Professor
Quantitative Techniques for Decision Making	IC	1	3	Prof. Rakesh Verma	RVM	A	DSIS	Associate Professor
Quantitative Techniques for Decision Making	IC	1	3	Prof. Rakesh Verma	RVM	B	DSIS	Associate Professor
Quantitative Techniques for Decision Making	IC	1	3	Prof. Rakesh Verma	RVM	C	DSIS	Associate Professor
Quantitative Techniques for Decision Making	IC	1	3	Prof. Sanjeev C Panandikar	SCP	D	DSIS	Associate Professor
Quantitative Techniques for Decision Making	IC	1	3	Prof. Debrabrata Das	DBD	E	DSIS	Assistant Professor
Quantitative Techniques for Decision Making	IC	1	3	Prof. Debrabrata Das	DBD	F	DSIS	Assistant Professor
Quantitative Techniques for Decision Making	IC	1	3	Prof. Sanjeev C Panandikar	SCP	G	DSIS	Associate Professor
Quantitative Techniques for Decision Making	IC	1	3	Prof. Debrabrata Das	DBD	H	DSIS	Assistant Professor
Operation Management	IC	1	3	Prof. Sushmita A Narayanan	SHN	A	OSCM	Assistant Professor
Operation Management	IC	1	3	Prof. Rakesh D Raut	RDR	B	OSCM	Assistant Professor
Operation Management	IC	1	3	Prof. Rakesh D Raut	RDR	C	OSCM	Assistant Professor
Operation Management	IC	1	3	Prof. Sachin S Kamble	SSK	D	OSCM	Associate Professor
Operation Management	IC	1	3	Prof. Sachin S Kamble	SSK	E	OSCM	Associate Professor
Operation Management	IC	1	3	Prof. Ravindra S Gokhale	RSG	F	OSCM	Assistant Professor
Operation Management	IC	1	3	Prof. Sushmita A Narayanan	SHN	G	OSCM	Assistant Professor
Operation Management	IC	1	3	Prof. Ravindra S Gokhale	RSG	H	OSCM	Assistant Professor
Organization Behaviour - A	IC	2	3	Prof. D K Srivastava	DKS	A	OBHR	Professor
Organization Behaviour - B	IC	2	3	Prof. S K Nair	SKN	B	OBHR	Professor
Organization Behaviour - C	IC	2	3	Prof. Nikhil Mehta	NKM	C	OBHR	Associate Professor
Organization Behaviour - D	IC	2	3	Prof. Sumi Jha	SJA	D	OBHR	Associate Professor
Organization Behaviour - E	IC	2	3	Prof. Upasna A Agarwal	UAA	E	OBHR	Assistant Professor
Organization Behaviour - F	IC	2	3	Prof. Sumant kumar biswas	SKB	F	OBHR	Assistant Professor
Organization Behaviour - G	IC	2	3	Prof. S K Nair	SKN	G	OBHR	Professor
Organization Behaviour - H	IC	2	3	Prof. D K Srivastava	DKS	H	OBHR	Professor
Manegerial Accounting -A	IC	2	3	Prof. KS Ranjani	KSR	A	F&A	Assistant Professor
Manegerial Accounting -B	IC	2	3	Prof. KS Ranjani	KSR	B	F&A	Assistant Professor
Manegerial Accounting -C	IC	2	3	Prof. Vipul Kumar Singh	VKS	C	F&A	Assistant Professor
Manegerial Accounting -D	IC	2	3	Prof. Vipul Kumar Singh	VKS	D	F&A	Assistant Professor
Manegerial Accounting -E	IC	2	3	Prof. Ajaya Kumar Panda	AJP	E	F&A	Assistant Professor
Manegerial Accounting -F	IC	2	3	Prof. Ajaya Kumar Panda	AJP	F	F&A	Assistant Professor
Manegerial Accounting -G	IC	2	3	Guest Faculty	GF	G	F&A	
Manegerial Accounting -H	IC	2	3	Guest faculty	GF	H	F&A	
Information Systems and Artifical Intelligence - A	IC	2	3	Prof. R. Ramaswamy	RRS	A	DSIS	Professor
Information Systems and Artifical Intelligence - B	IC	2	3	Prof. R. Ramaswamy	RRS	B	DSIS	Professor
Information Systems and Artifical Intelligence - C	IC	2	3	Prof. Hema Date	HAD	C	DSIS	Professor
Information Systems and Artifical Intelligence - D	IC	2	3	Prof. Hema Date	HAD	D	DSIS	Professor
Information Systems and Artifical Intelligence - E	IC	2	3	Prof. Hema Date	HAD	E	DSIS	Professor
Information Systems and Artifical Intelligence - F	IC	2	3	Prof. Purnima Sangle	PSS	F	DSIS	Professor
Information Systems and Artifical Intelligence - G	IC	2	3	Prof. Purnima Sangle	PSS	G	DSIS	Professor
Information Systems and Artifical Intelligence - H	IC	2	3	Prof. Purnima Sangle	PSS	H	DSIS	Professor
Work System Design IE- A	PC	2	1.5	Prof. S.K.Md. Rauf Iqbal	MRI	A	IEMS	Associate Professor
Work System Design IE- A	PC	2	1.5	Prof. Vivek V Khanzode	VVK	A	IEMS	Associate Professor
Work System Design IE- B	PC	2	1.5	Prof. S.K.Md. Rauf Iqbal	MRI	B	IEMS	Associate Professor
Work System Design IE- B	PC	2	1.5	Prof. Vivek V Khanzode	VVK	B	IEMS	Associate Professor
B2B Marketing IM A(Jr)	PC	2	3	Prof. M K Jha	MKJ	A	Marketing	Professor
B2B Marketing IM B(Jr)	PC	2	3	Prof. M K Jha	MKJ	B	Marketing	Professor
B2B Marketing IM-C(Jr)	PC	2	3	Prof. M K Jha	MKJ	C	Marketing	Professor
B2B Marketing IM-D(Jr)	PC	2	3	Guest Faculty	GF	D	Marketing	
Environment And Safety Legislation ISEM(Jr)	PC	2	3	Prof. Seema Unnikrishnan	SUN	ISEM	EEM	Professor
Work System Design MM(Jr)	PC	2	3	Prof. S.K.Md. Rauf Iqbal	MRI	MM	IEMS	Associate Professor
Work System Design MM(Jr)	PC	2	3	Prof. Vivek V Khanzode	VVK	MM	IEMS	Associate Professor
Project Finance and Cost Budgeting PM(Jr)	PC	2	3	Prof. KS Ranjani	KSR	PM	F&A	Assistant Professor
Supply Chain Management IE A(Jr)	PC	2	3	Prof. Sachin S Kamble	SSK	IE-A	OSCM	Associate Professor
Supply Chain Management IE B(Jr)	PC	2	3	Prof. Sachin S Kamble	SSK	IE-B	OSCM	Associate Professor
Procurement and Materials Mgmt IM-A(Jr)	PC	2	3	Prof. Rakesh D Raut	RDR	IM-A	OSCM	Associate Professor
Procurement and Materials Mgmt. IM B(Jr)	PC	2	3	Prof. Rakesh D Raut	RDR	IM-B	OSCM	Associate Professor
Procurement and Materials Mgmt IM C(Jr)	PC	2	3	Prof. Ravindra S Gokhale	RSG	IM-C	OSCM	Associate Professor
Procurement and Materials Mgmt IM D(Jr)	PC	2	3	Prof. Rakesh D Raut	RDR	IM-D	OSCM	Associate Professor

Environmental Impact Assessment ISEM(Jr)	PC	2	3	Prof. Vidyadhar V Gedam	VVG	ISEM	EEM	Associate Professor
Supply Chain Management MM(Jr)	PC	2	3	Prof. Sanjay Sharma	SSH	MM	OSCM	Professor
Project Planning and Schedule PM(Jr)	PC	2	3	Prof. Kanchan Joshi	KNJ	PM	ETPM	Assistant Professor
Operations Research IE A(Jr)	PC	2	3	Prof. Rakesh Verma	RVM	IE-A	DSIS	Associate Professor
Operations Research IE B(Jr)	PC	2	3	Prof. Sanjeev C Panandikar	SCP	IE-B	DSIS	Associate Professor
Business Analytics IM A(Jr)	PC	2	3	Prof. Hema Date	HAD	IM-A	DSIS	Professor
Business Analytics IM-B(Jr)	PC	2	3	Prof. Purnima Sangle	PSS	IM-B	DSIS	Professor
Business Analytics IM C(Jr)	PC	2	3	Prof. Purnima Sangle	PSS	IM-C	DSIS	Professor
Business Analytics IM D(Jr)	PC	2	3	Prof. Rakesh Verma	RVM	IM-D	DSIS	Associate Professor
Industrial Waste Management ISEM(Jr)	PC	2	3	Prof. Shankar Murthy	SMU	ISEM	EEM	Professor
Quality Engineering and Management MM(Jr)	PC	2	3	Prof. D Jinil Persis	DJP	MM	IEMS	Assistant Professor
Project Appraisal and Feasibility PM(Jr)	PC	2	3	Prof. V B Khanapuri	VBK	PM	ETPM	Professor
Derivatives and Financial Modelling	PE	6	3	Prof. Vipul Kumar Singh	VKS		F&A	Assistant Professor
Quantative modelling for Project Management	PE	6	3	Prof. Kanchan Joshi	KNJ		ETPM	Assistant Professor
Consumer Behaviour	PE	6	3	Prof. Neha Srivastava	NSV		Marketing	Assistant Professor
International Business Strategy	PE	6	3	Prof. S S Bhattacharya	SSB		E&S	Associate Professor
Operations Research	PE/IE	6	3	Prof. Debrabrata Das	DBD		DSIS	Assistant Professor
System Dynamics Modelling	PE	6	3	Prof. Padmanav Acharya	PNA		IEMS	Professor
Sustainable Operation Management	PE/IE	6	3	Prof. Shirish G Sangle	SGS		EEM	Professor
Project Management	IE	6	3	Prof. Kanchan Joshi	KNJ		ETPM	Assistant Professor
Concepts in Machine Learning	PE	6	3	Prof. Rakesh Verma	RVM		DSIS	Associate Professor
Enterprise Resource Planning(ERP)	PE	6	3	Prof. Purnima Sangle	PSS		DSIS	Professor
Services Operations Management	PE	6	3	Prof. Gaurav Kabra	GKB		OSCM	Assistant Professor
Internaltional Marketing	PE	6	3	Prof. Ranjan Chaudhary	RCH		Marketing	Associate Professor
Noise and E-Waste	PE	6	3	Prof. Vidyadhar V Gedam	VVG		EEM	Assistant Professor
Global Trade and Institutions	PE	6	3	Prof. Utpal Chattopadhyay	UCH		E&S	Associate Professor
Marketing Research	PE	6	3	Prof. Sanjeev Verma	SVR		Marketing	Associate Professor
Environmental Economics	PE	6	3	Prof. Binilkumar A S	ASB	Elect.	E&S	Assistant Professor
International Finance	PE	6	3	Prof. Ajaya Kumar Panda	AJP		F&A	Assistant Professor
Entrepreneurship development	PE	6	3	Prof. T Prasad	TRP		OBHR	Professor
Multi-Objective Optimization	PE	6	3	Prof. Rakesh Verma	RVM		DSIS	Associate Professor
E-Commerce System for Business	PE	6	3	Prof. Hema Date	HAD		DSIS	Professor
Organizational Development	PE	6	3	Prof. D K Srivastava	DKS		OBHR	Professor
Circular Economy	PE	6	3	Prof. Anju singh	AJS	ISEM	EEM	Associate Professor
Emerging Technologies in Manufacturing	PE	6	3	Prof. Purnima Sangle	PSS		DSIS	Professor
Strategic Corporate Social Responsibility	PE	6	3	Prof. Shirish G Sangle	SGS		EEM	Professor
Strategic New Product Development	IE	6	3	Prof. V B Khanapuri	VBK		ETPM	Professor
Strategic Corporate Social Responsibility	IE	6	3	Prof. Shirish G Sangle	SGS		EEM	Professor
International Marketing	IE	6	3	GF	GF		Marketing	
Strategic Cost Management	IE	6	3	Prof. KS Ranjani	KSR		F&A	Assistant Professor
Business Intelligence, Decision Support System and AI Application	PE	6	3	Prof. Hema Date	HAD		DSIS	Professor
Industrial Organization	PE	6	3	Prof. Binilkumar A S	ASB		E&S	Assistant Professor
Energy Efficiency for Carbon Management	PE	6	3	Prof. Seema Unnikrishnan	SUN		EEM	Professor
Manaufacturing Strategy	PE	6	3	Prof. Milind M Akarte	MMA		IEMS	Professor
Data Analytics and Knowledge Management	PE	6	3	Prof. Hema Date	HAD		DSIS	Professor
Logistic Management	PE	6	3	Prof. Sanjay Sharma	SSH	IE/MM/PM/IM	OSCM	Professor
Project Logistics Management	PE	6	3	Prof. Kanchan Joshi	KNJ		ETPM	Assistant Professor
Lean Manufacturing	PE	6	3	Prof. Vivek V Khanzode	VVK		IEMS	Associate Professor
Intelligent Optimization Techniques for SCM	IE	6	3	Prof. D Jinil Persis	DJP		IEMS	Assistant Professor
Entrepreneurship development- TP	IE	6	3	Prof. T Prasad	TRP		OBHR	Professor
Environmental Impact Assessment for Development Projects	IE	6	3	Prof. Vidyadhar V Gedam	VVG		EEM	Assistant Professor
Human Factor Engineering	PC	5	3	Prof. S.K.Md. Rauf Iqbal	MRI	IE-48 -A	IEMS	Associate Professor
Strategic Management	PC	5	3	Prof. Sumant kumar biswas	SKB	IM-25-A	OBHR	Assistant Professor
Human Factor Engineering	PC	5	3	Prof. S.K.Md. Rauf Iqbal	MRI	IE-48-B	IEMS	Associate Professor
Strategic Management	PC	5	3	Guest Faculty/SSB	GF	IM-25-B		
Project Site and Plant Design	PC	5	3	Guest /KNJ	GF	PM-05		
Facilities and Layout Planning	PC	5	3	Prof. Priyanka Verma	PMV	MM-05	IEMS	Assistant Professor
Strategic Management	PC	5	3	Prof. S S Bhattacharya	SSB	IM-25-C	E&S	Associate Professor
Project Management	PC	5	3	Prof. Kanchan Joshi	KNJ	IE-48 -A	ETPM	Assistant Professor
Business Research Method	PC	5	3	Prof. Sanjeev C Panandikar	SCP	IM-25-A	DSIS	Associate Professor
Project Management	PC	5	3	Prof. Kanchan Joshi	KNJ	IE-48-B	ETPM	Assistant Professor
Business Research Method	PC	5	3	Guest Faculty	GF	IM-25-B		
Strategic Project Management	PC	5	3	Prof. V B Khanapuri	VBK	PM-05	ETPM	Professor
Industrial Ergonomics	PC	5	3	Prof. S.K.Md. Rauf Iqbal	MRI	MM-05	IEMS	Associate Professor
Business Research Method	PC	5	3	Prof. Sumi Jha	SJA	IM-25-C	OBHR	Associate Professor
Project Management	PC	5	3	Prof. B Koteswara Rao Naik	KRN	ISEM-18	ETPM	Assistant Professor
Project Procurement and Contracts Management	Elective	5	3	Prof. V B Khanapuri	VBK		ETPM	Professor
Advanced Operations Research	Elective	5	3	Prof. Vivek V Khanzode	VVK		IEMS	Associate Professor
Logistics Management	PE	5	3	Prof. Sushmita A Narayanan	SHN	IE/MM/PM/IM	OSCM	Assistant Professor
Economics of Strategy	Elective	5	3	Prof. Utpal Chattopadhyay	UCH		E&S	Associate Professor
Macroeconomic Policy and Environment	Elective	5	3	Prof. Binilkumar A S	ASB		E&S	Assistant Professor
Managing Digital Transformation in Enterprise	Elective	5	3	Guest Faculty	GF			
Advanced Operation Research	Elective	5	3	Prof. L Ganapathy	LGP		IEMS	Professor
Asset Valuation and Modelling	Elective	5	3	Guest Faculty	GF			
Advanced Operation Research	Elective	5	3	Prof. Priyanka Verma	PMV		IEMS	Assistant Professor
Services Operations Management	Elective	5	3	Prof. Gaurav Kabra	GKB		OSCM	Assistant Professor
Business Analystics Using Data Mining	Elective	5	3	Prof. Purnima Sangle	PSS		DSIS	Professor
Data Analytics and Knowlede Management	Elective	5	3	Prof. Hema Date	HAD		DSIS	Professor

Soft Skills Development	Elective	5	3	Prof. Sumi Jha	SJA		OBHR	Associate Professor
Advanced Financial Statements	Elective	5	3	Prof. KS Ranjani	KSR		F&A	Assistant Professor
Lean Manufacturing	Elective	5	3	Prof. Vivek V Khanzode	VVK		IEMS	Associate Professor
Business Strategies for Sustainability	Elective	5	3	Prof. Shirish G Sangle	SGS		EEM	Professor
Positive Psychology	Elective	5	3	Prof. S K Nair	SKN		OBHR	Professor
Business Intelligence, Decision Support System & AI Appliocation	Elective	5	3	GF/Prof. Hema Date	HAD		DSIS	Professor
Strategic Procurement	Elective	5	3	Prof. Milind M Akarte	MMA		IEMS	Professor
Sustainability Standards and Guidelines	Elective	5	3	Prof. Anju singh	AJS		EEM	Associate Professor
Enterprise Resource Planning	Elective	5	3	Prof. Purnima Sangle	PSS		DSIS	Professor
Corporate Leadership Development	Elective	5	3	Prof. Upasna A Agarwal	UAA		OBHR	Assistant Professor
Legal and Ethical Aspects of Business	IC	5	1.5	Prof. Nikhil Mehta/GF	NKM	A	OBHR	Associate Professor
Legal and Ethical Aspects of Business	IC	5	1.5	Prof. Sumi Jha/GF	SJA	B	OBHR	Associate Professor
Legal and Ethical Aspects of Business	IC	5	1.5	Prof. S K Nair/GF	SKN	C	OBHR	Professor
Legal and Ethical Aspects of Business	IC	5	1.5	Prof. D K Srivastava/GF	DKS	D	OBHR	Professor
Legal and Ethical Aspects of Business	IC	5	1.5	Prof. Nikhil Mehta/GF	NKM	E	OBHR	Associate Professor
Legal and Ethical Aspects of Business	IC	5	1.5	Prof. S K Nair/GF	SKN	F	OBHR	Professor
Legal and Ethical Aspects of Business	IC	5	1.5	Prof. D K Srivastava/GF	DKS	G	OBHR	Professor
Legal and Ethical Aspects of Business	IC	5	1.5	Guest Faculty (NKM)	GF	A		
Legal and Ethical Aspects of Business	IC	5	1.5	Guest Faculty (SJA)	GF	B		
Legal and Ethical Aspects of Business	IC	5	1.5	Guest Faculty (SKN)	GF	C		
Legal and Ethical Aspects of Business	IC	5	1.5	Guest Faculty (DKS)	GF	D		
Legal and Ethical Aspects of Business	IC	5	1.5	Guest Faculty (NKM)	GF	E		
Legal and Ethical Aspects of Business	IC	5	1.5	Guest Faculty (SKN)	GF	F		
Legal and Ethical Aspects of Business	IC	5	1.5	Guest Faculty (DKS)	GF	G		
Manaufacturing Strategy	PC	3	3	Prof. Milind M Akarte	MMA	MM	IEMS	Professor
Supply Chain Management	PC	3	3	Prof. A K Pundir	AKP	IM A	IEMS	Professor
Supply Chain Management	PC	3	3	Prof. A K Pundir	AKP	IM B	IEMS	Professor
Facilities and Layout Planning IE A&B PART B	PC	3	1.5	Prof. Priyanka Verma	PMV	IE-A	IEMS	Associate Professor
Facilities and Layout Planning IE A&B PART B	PC	3	1.5	Prof. Balkrishna Eknath Narkhede	BEN	IE-A	IEMS	Assistant Professor
Facilities and Layout Planning IE A&B PART A	PC	3	1.5	Prof. Priyanka Verma	PMV	IE-B	IEMS	Associate Professor
Facilities and Layout Planning IE A&B PART A	PC	3	1.5	Prof. Balkrishna Eknath Narkhede	BEN	IE-B	IEMS	Associate Professor
Operations Research	PE	3	3	Prof. L Ganapathy	**LGP**	**IM**	IEMS	Professor
Simulation Modelling and Analysis	PE	3	3	Prof. L Ganapathy	LGP	IE	IEMS	Professor
Procurement and Materials Management	PC	3	3	Prof. Gaurav Kabra	GKB	**IE-A**	OSCM	Assistant Professor
Manaufacturing Planning and Control	PC	3	3	Prof. L Ganapathy	LGP	MM	IEMS	Professor
Procurement and Materials Management	PC	3	3	Prof. Gaurav Kabra	GKB	**IE-B**	OSCM	Assistant Professor
Flexibile Manufacturing System	PE	3	3	Prof. Balkrishna Eknath Narkhede	BEN	IE	IEMS	Associate Professor
Manufacturing System Design	PC	3	3	Prof. Balkrishna Eknath Narkhede	BEN	MM	IEMS	Associate Professor
Quality Engineering and Management	PC	3	3	Prof. D Jinil Persis	DJP	**IE-B**	IEMS	Assistant Professor
Supply Chain Management	PC	3	3	Prof. Sushmita A Narayanan	SHN	IM C	OSCM	Associate Professor
Supply Chain Management	PC	3	3	Prof. Sushmita A Narayanan	SHN	ISEM	OSCM	Associate Professor
Sustainable development for Buisness	IC	3	3	Prof. Seema Unnikrishnan	SUN	A	EEM	Professor
Sustainable development for Buisness	IC	3	1.5	Prof. Shirish G Sangle	SGS	B	EEM	Professor
Sustainable development for Buisness	IC	3	1.5	Prof. Vidyadhar V Gedam	VVG	B	EEM	Assistant Professor
Sustainable development for Buisness	IC	3	3	Prof. Anju singh	AJS	C	EEM	Associate Professor
Sustainable development for Buisness	IC	3	3	Prof. Shankar Murthy	SMU	D	EEM	Professor
Sustainable development for Buisness	IC	3	3	Prof. Anju singh	AJS	E	EEM	Associate Professor
Sustainable development for Buisness	IC	3	1.5	Prof. Shirish G Sangle	SGS	F	EEM	Professor
Sustainable development for Buisness	IC	3	1.5	Prof. Vidyadhar V Gedam	VVG	F	EEM	Assistant Professor
Sustainable development for Buisness	IC	3	3	Prof. Shankar Murthy	SMU	G	EEM	Professor
Sustainable development for Buisness	IC	3	1.5	Prof. Shirish G Sangle	SGS	H	EEM	Professor
Sustainable development for Buisness	IC	3	1.5	Prof. Shirish G Sangle	SGS	H	EEM	Professor
Technology and Innovation Management	IC	3	3	Prof. Ruchita Gupta	RUG	A	ETPM	Assistant Professor
Technology and Innovation Management	IC	3	3	Prof. Ruchita Gupta	RUG	B	ETPM	Assistant Professor
Technology and Innovation Management	IC	3	3	Prof. Ruchita Gupta	RUG	C	ETPM	Assistant Professor
Technology and Innovation Management	IC	3	3	Prof. GF/Prof. Ruchita Gupta	GF/RUG	D	ETPM	
Technology and Innovation Management	IC	3	3	Prof. B Koteswara Rao Naik	KRN	E	ETPM	Assistant Professor
Technology and Innovation Management	IC	3	3	Prof. B Koteswara Rao Naik	KRN	F	ETPM	Assistant Professor
Technology and Innovation Management	IC	3	3	Prof. B Koteswara Rao Naik	KRN	G	ETPM	Assistant Professor
Technology and Innovation Management	IC	3	3	Prof. GF/Prof. B Koteswara Rao Naik	GD/KRN	H	ETPM	
Sustainable development for Buisness	IC	3	1.5	Prof. Vidyadhar V Gedam	VVG	H	EEM	Assistant Professor
Sustainable Manaufacturing	PC	3	1.5	Prof. Shirish G Sangle	SGS	ISEM	EEM	Professor
Sustainable Manaufacturing	PC	3	1.5	Prof. Anju singh	AJS	ISEM	EEM	Associate Professor
Process Safety Management	PC	3	3	Prof. Shankar Murthy	SMU	ISEM	EEM	Associate Professor
Flexibile Manufacturing System	PE	3	3	Prof. Balkrishna Eknath Narkhede	BEN	MM	IEMS	Associate Professor
Logistic Management	PE	3	3	Prof. Sanjay Sharma	SSH	IE	OSCM	Professor
Disaster Management	PE	3	3	Prof. Seema Unnikrishnan	SUN	ISEM	EEM	Professor
Industrial Resource Economics	PE	3	3	Prof. Vijaya Gupta	**VGA**	**IM**	E&S	Professor
Industrial Resource Economics	PE	3	3	Prof. Vijaya Gupta	**VGA**	**ISEM**	E&S	Professor
Business Analysis and Econometric Applications	PE	3	3	Prof. Poonam Singh	**PMS**	**IM**	E&S	Assistant Professor
Project Risk Management	PC	3	3	Prof. Ruchita Gupta	**RUG**	**PM**	ETPM	Assistant Professor
Project Execution	PC	3	3	Prof. GF/ Prof. V B Khanapuri	GF/VBK	**PM**	ETPM	
Project Management	PE	3	3	Prof. Kanchan Joshi	**KNJ**	**MM**	ETPM	Assistant Professor
Human Resource Management	PC	3	3	Prof. Nikhil Mehta	**NKM**	**IM A**	OBHR	Associate Professor
Human Resource Management	PC	3	3	Prof. D K Srivastava	**DKS**	**IM B**	OBHR	Professor
Human Resource Management	PC	3	3	Prof. Sumi Jha	**SJA**	**IM C**	OBHR	Associate Professor
Human Resource Management	PC	3	3	Prof. Sumant kumar biswas	**SKB**	**IM D**	OBHR	Assistant Professor
Retail Management	PE	3	3	Prof. Ranjan Chaudhary	**RCH**	**IM**	Marketing	Associate Professor
digital Marketing	PE	3	3	Prof. Neeraj Pandey	**NRP**	**IM**	Marketing	Associate Professor
Financial Management	PC	3	3	Prof. KS Ranjani	**GF/AJP**	**IM A**	F&A	Assistant Professor
Financial Management	PC	3	3	Prof. Vipul Kumar Singh	**GF/AJP**	**IM B**	F&A	Assistant Professor
Financial Management	PC	3	3	Prof. Ajaya Kumar Panda	**GF/AJP**	**IM C**	F&A	Assistant Professor

Financial Management	PC	3	3	Prof. Ajaya Kumar Panda	**AJP**	**IM D**	F&A	Assistant Professor
Agile Project Management	PC	3	3	Prof. GF/ Prof. Kanchan Joshi	GF/KNJ	PM	ETPM	
Investment Analysis and Portfolio Management	PE	3	3	Prof. Ajaya Kumar Panda	**AJP**	IM	F&A	Assistant Professor
Entrepreneurship development- TP	PE	3	3	Prof. T Prasad	TRP	IM	OBHR	Professor
Entrepreneurship development- TP	IE	3	3	Prof. T Prasad	TRP	IE	OBHR	Professor
Entrepreneurship development- TP	IE	3	3	Prof. T Prasad	TRP	MM	OBHR	Professor
Entrepreneurship development- TP	IE	3	3	Prof. T Prasad	TRP	PM	OBHR	Professor
Qualitative Research- NKM	PE	3	3	Prof. Nikhil Mehta	NKM	IM	OBHR	Associate Professor
Qualitative Research- NKM	IE	3	3	Prof. Nikhil Mehta	NKM	IE	OBHR	Associate Professor
Qualitative Research- NKM	IE	3	3	Prof. Nikhil Mehta	NKM	MM	OBHR	Associate Professor
Qualitative Research- NKM	IE	3	3	Prof. Nikhil Mehta	NKM	PM	OBHR	Associate Professor
Principles of Management	PE	3	3	Prof. T Prasad	TRP	IM	OBHR	Professor
Business Analytics and e-Commerce Management	PE	3	3	Prof. Hema Date	HAD	IE	DSIS	Professor
Business Analytics and e-Commerce Management	PE	3	3	Prof. Hema Date	HAD	MM	DSIS	Professor
Business Analytics and e-Commerce Management	PE	3	3	Prof. Hema Date	HAD	MM	DSIS	Professor
Concepts in Machin Learning	PE	3	3	Prof. Debrabrata Das	**DBD**	**IE/MM/PM**	DSIS	Assistant Professor
Operations Research	PE	3	3			**ISEM**	DSIS	
Concepts of Data Structures with Python	PE	3	3	Prof. R. Ramaswamy	RRS	IE	DSIS	Professor
Concepts of Data Structures with Python	PE	3	3	Prof. R. Ramaswamy	RRS	MM	DSIS	Professor
Business Analytics and e-Commerce Management	PE	3	3	Prof. Hema Date	HAD	IM	DSIS	Professor
Business Analytics and e-Commerce Management	PE	3	3	Prof. Hema Date	HAD	ISEM	DSIS	Professor
Bhagavad Gita for Managers	PE	3	3	Prof. Nikhil Mehta	NKM	IM	OBHR	Associate Professor
Business Analysis and Econometric Applications	PE	3	3	Prof. Poonam Singh	**PMS**	**ISEM**	E&S	Assistant Professor
Business Strategies for Climate Change	PE	7	3	Prof. Shirish G Sangle	SGS	ISEM	EEM	Professor
Fire and Safety Management	PE	7	3	Prof. Vidyadhar V Gedam	VVG	ISEM	EEM	Assistant Professor
Mergers and Acquisitions	PE	7	3	Prof. S S Bhattacharya	SSB	IM	E&S	Associate Professor
Business Analysis and Econometric Applications	IE	7	3	Prof. Poonam Singh	PMS	IE	E&S	Assistant Professor
Business Analysis and Econometric Applications	IE	7	3	Prof. Poonam Singh	PMS	MM	E&S	Assistant Professor
Business Analysis and Econometric Applications	IE	7	3	Prof. Poonam Singh	PMS	PM	E&S	Assistant Professor
Global Competitiveness	IE	7	3	Prof. Utpal Chattopadhyay	UCH	IE	E&S	Associate Professor
Global Competitiveness	IE	7	3	Prof. Utpal Chattopadhyay	UCH	MM	E&S	Associate Professor
Global Competitiveness	IE	7	3	Prof. Utpal Chattopadhyay	UCH	PM	E&S	Associate Professor
Indian Economy	IE	7	1.5	Prof. Vijaya Gupta	VGA	IE	E&S	Professor
Indian Economy	IE	7	1.5	Prof. Vijaya Gupta	VGA	MM	E&S	Professor
Indian Economy	IE	7	1.5	Prof. Vijaya Gupta	VGA	PM	E&S	Professor
Indian Economy	IE	7	1.5	Prof. Utpal Chattopadhyay	UCH	IE	E&S	Associate Professor
Indian Economy	IE	7	1.5	Prof. Utpal Chattopadhyay	UCH	MM	E&S	Associate Professor
Indian Economy	IE	7	1.5	Prof. Utpal Chattopadhyay	UCH	PM	E&S	Associate Professor
Macroeconomic Policy and Environment	IE	7	3	Prof. Binilkumar A S	ASB	IE	E&S	Assistant Professor
Macroeconomic Policy and Environment	IE	7	3	Prof. Binilkumar A S	ASB	MM	E&S	Assistant Professor
Macroeconomic Policy and Environment	IE	7	3	Prof. Binilkumar A S	ASB	PM	E&S	Assistant Professor
Project Risk Management	IE	7	3	Prof. V B Khanapuri	VBK	IM/ISEM	ETPM	Professor
Sales and Distribution Management	PE	7	3	Prof. Ranjan Chaudhary	RCH	IM	Marketing	Associate Professor
Healthcare Marketing	IE	7	3	Prof. Neeraj Pandey	NRP	ISEM	Marketing	Associate Professor
Multivariate Data Analysis	IE	7	3	Prof. Sanjeev C Panandikar	SCP	IM	DSIS	Associate Professor
HR analytics- SJA	PE	7	3	Prof. Sumi Jha	SJA	IM	OBHR	Associate Professor
Managing Negotiations- UAA	PE	7	3	Prof. Upasna A Agarwal	UAA	IM	OBHR	Assistant Professor
Multi-Objective Optimization	PE	7	3	Prof. Rakesh Verma	RVM	IM	DSIS	Associate Professor
IT Consultancy Management	IE	7	3	Prof. Hema Date	HAD	ISEM	DSIS	Professor
Sustainability Lab -SE34 (Prof. Anju Singh and Prof. S. Sangle).	PE	7	3	Prof. Shirish G Sangle	SGS	ISEM	EEM	Professor
Sustainability Lab -SE34 (Prof. Anju Singh and Prof. S. Sangle).	PE	7	3	Prof. Anju singh	AJS	ISEM	EEM	Associate Professor
System Dynamics Modelling	IE	7	3	Prof. Padmanav Acharya	PNA	IM	IEMS	Professor
Multivariate Data Analysis	IE	7	3	Prof. Sanjeev C Panandikar	SCP	ISEM	DSIS	Associate Professor
IT Consultancy Management	IE	7	3	Prof. Hema Date	HAD	IM	DSIS	Professor
Competency Assessment and Development	PE	7	3	Prof. D K Srivastava	DKS	IM	OBHR	Professor
Project Execution	PC	7	3	Prof. V B Khanapuri	VBK	PM	ETPM	Professor

NATIONAL INSTITUTE OF INDUSTRIAL ENGINEERING
Vihar Lake, Mumbai - 400 087

PGD Programmes - 2017-2019

LIST OF STUDENTS - MODULE III

SUBJECT :

DATE:

FACULTY :

TIME:

SR.	NAME OF THE STUDENTS	ROLL	Surprise Tests, Quiz etc.	Assignment	(A) Internal Maximum Marks (40)	(B) Final Exam Marks Maximum (60)	(A+B) Total Maximum (100)	GRADE
					Minimum (20)	Minimum (30)	Minimum (50)	
			15	25	40	60	100	

NAME OF THE FACULTY: 0

SUBJECT TITLE & CODE: 0

COURSE PGD Programmes - 2019-2021

QUARTER/MODULE: III **COURSE CREDIT:** 3

OF STUDENTS: 0

GRADE POINT VALUE	PERCENTAGE ABOVE	GRADE	Total of students
10.0	96-100	A+	0
9.5	91-95	A	0
9.0	86-90	A-	0
8.5	81-85	B+	0
8.0	76-80	B	0
7.5	71-75	B-	0
7.0	66-70	C+	0
6.5	61-65	C	0
6.0	56-60	C-	0
5.5	51-55	D	0
5.0	50	P	0
	<50	F	0
	0	NC	0
		TOTAL	**0**

ANNEXURE - VIII

National Institute of Industrial Engineering (NITIE)

Faculty Feedback for I and V Module - 2017

Faculty Name:

Subject Name:

Evaluation Parameters		Scale				
		1	2	3	4	5
Course Content Evaluation						
Span of topics covered	avg(cce1)	Very Narrow or Very wide	Inadequate	Moderate	Adequate	Just Right
Depth of Coverage	avg(cce2)	Very Deep or Very Shallow	Inadequate	Moderate	Adequate	Just Right
Balance of Theory & Application	avg(cce3)	Very Low	Low	Moderate	High	Excellent
Overlap with Other Courses	avg(cce4)	Very High	High	Moderate	Less	Very Less
Course Delivery Evaluation						
Ability to Explain	avg(cde1)	Poor	Fair	Average	Good	Excellent
Use of Examples	avg(cde2)	Poor	Fair	Average	Good	Excellent
Use of Presentation tools/Teaching Aids	avg(cde3)	Poor	Fair	Average	Good	Excellent
Opportunities for Questions and Discussions	avg(cde4)	Never	Rarely	Sometimes	Often	Always
Stimulation of Thinking	avg(cde5)	Never	Rarely	Sometimes	Often	Always
Course Assessment and Student Evaluation						
Frequency of Test/Quiz	avg(case1)	Very Low	Low	Moderate	High	Excellent
Extent to which Test Assesses Learning	avg(case2)	Very Low	Low	Moderate	High	Excellent
Relevance of Assignments to Learning	avg(case4)	Very Low	Low	Moderate	High	Excellent
feedback given on Student Performance	avg(case3)	Never	Rarely	Sometimes	Often	Always
Overall Rating of the Course	avg(overall_rating)	Poor	Fair	Average	Good	Excellent
Average (1-14)						