



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2018/521  
August 07, 2018

Shri. Kundan Nath  
Under Secretary (IITs)  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi - 110011

**Sub: Rajya Sabha Unstarred Question No. 2625 to be replied on 09.08.2018 regarding "Subsidized Education in IITs and IIMs".**

Dear Shri. Nath,

Kindly refer to your email dated August 06, 2018, regarding the subject cited above.

Appended below, please find the point-wise reply of the ibid email, in so far they relate to this Institute:

(i) whether education in IITs/IIMs is substantially subsidized;

**Reply** - Yes, the education in IITs is substantially subsidized.

(ii) if so, the average expenditure per student in top five IITs/IIMs; and

**Reply** - Average expenditure per student at IIT Kanpur - Rs. 8.76 lacs per student.

(iii) the share of this expenditure borne by student and the Institutes?

**Reply** - Share borne by student - Rs. 0.93 lac per student and rest of the share i.e., Rs. 7.83 lacs (8.76 - 0.93) is borne by the Institute.

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

  
K.K. Tiwari  
Registrar



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2018/  
August 31, 2018

Shri. Kundan Nath  
Under Secretary (IITs)  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi - 110011

**Sub: Information regarding faculty vacancies filling**

Dear Shri. Nath,

Kindly refer to your letter No. F.No. 32-4/2018-TS.1 dated August 29, 2018, regarding the subject cited above.

Appended below, please find the reply of the ibid letter, in the proforma provided

Number of New Faculty joined in								
Sl. No.	Designation	Faculty in Position as on Feb, 2018	March, 2018	April, 2018	May, 2018	June, 2018	July, 2018	August, 2018
1.	Professor	0	0	0	0	0	0	0
2.	Associate Professor	0	0	0	0	0	0	0
3.	Assistant Professor	2	0	4	3	3	1	0
<b>Total</b>		2	0	4	3	3	1	0

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

  
31/8/18  
**K.K. Tiwari**  
Registrar



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2018/  
August 31, 2018

Shri. Kundan Nath  
Under Secretary (IITs)  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi - 110011

**Sub: Filling up the backlog reserved vacancies of SC, ST and OBC-reg.**

Dear Shri. Nath,

Kindly refer to your letter No. F.No. 38-7/2018-TS.1 dated August 29, 2018, regarding the subject cited above. Appended below, please find the reply of the ibid letter, in the proforma provided for Academic and Non-Academic Staff.

**For Academic Staff**

Category	Number of backlog vacancies as on 31.12.2016	Number of backlog vacancies filled up till 31.12.2017	Number of unfilled backlog vacancies existing as on 01.01.2018 (column 2 - column 3)
SC	IITs follow a flexible cadre structure and hence there are no fixed numbers of Professors or Associate Professor or Assistant Professor. Only the overall number is pegged at 10% of student Strength. Therefore, exact number of unfilled vacancies under SC, ST and OBC category is not available.	On record, the number is one OBC. It is only because of true fact that strong candidates belonging to SC, ST and OBC category often do not specify their category and join in the open pool. Hence, their number is not available in our record.	IITs follow a flexible cadre structure and hence there are no fixed numbers of Professors or Associate Professor or Assistant Professor. Only the overall number is pegged at 10% of student Strength. Therefore, exact number of unfilled vacancies under SC, ST and OBC category is not available.
ST			
OBC			
Total			

**For Non-Academic Staff**

Category	No. of backlog vacancies as on 31.12.2016	No. of backlog vacancies fill up till 31.12.2017	No. of unfilled backlog vacancies existing as on 01.01.2018 (Col.2 - Col.3)
1	2	3	4
SC	Nil	Nil	Nil
ST	01	Nil	01 - advertised vide Advt. No. 1/2018. Selection Process has already initiated.
OBC	01	Nil	01 - advertised vide Advt. No. 1/2018. Selection Process has already initiated.
Total	02	Nil	02

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

  
K.K. Tiwari  
Registrar



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2018/545  
September 14, 2018

Shri. Kundan Nath  
Under Secretary (IITs)  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi - 110011

**Sub: Monitoring of Reservation Policy and Development Programmes/Schemes implemented for SC and ST by the Ministry of Human Resource & Development - reg.**

Dear Shri. Nath,

Kindly refer to your email dated September 11, 2018, regarding the subject cited above. The details regarding welfare of Scheduled Castes and Scheduled Tribes is attached as **Annexure-A**, in the format provided.

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

**K.K.Tiwari**  
**Registrar**

**Encl:** As above

FORMAT-IFilling up of vacancies of SC/ST PostsFor Academic Staff:-

Groups	Total number of Sanctioned Posts	Total number of vacancies	Number of post reserved for		Number of post filled by		Reasons for non-filling	Efforts to fill the vacancies
			SCs	STs	SCs	STs		
A	694 as per student and teachers ratio prescribed by MHRD (Flexible faculty cadre) i.e. 10:1	295 as per student and teachers ratio prescribed by MHRD (Flexible faculty cadre) i.e. 10:1	IITs follow a flexible cadre structure and hence there are no fixed numbers of Professors or Associate Professor or Assistant Professor. Only the overall number is pegged at 10% of student Strength. Therefore, exact number of reserve post under SC, ST category is not available.		3	0	1. Shortage of Strong Candidate. 2. Strong candidates belonging to SC and ST category often do not specify their category.	The Institute is making continuous effort to select outstanding candidates from the SC and ST category. In our advertisement, reservation at the entry level is emphasized. Reservation Policy of Government of India is applicable.

For Non-Academic Staff:-

Groups	Total number of Sanctioned Posts	Total number of vacancies	Number of post reserved for		Number of post filled by		Reasons for non-Filling	Efforts to fill the vacancies
			SCs	STs	SCs	STs		
A	771 as per strength of 7013 students {intimated to Direcotr (IITs), MHRD vide letter No. 10256 dated 03.08.2015}	1	-	1	-	-	Backlog	Selection under process
B		-	-	-	-			
C		-	-	-	-			
D		-	-	-	-			

ANNEXURE  
1A/09/18

**FORMAT-II****Benefits for Scheduled Castes, Scheduled Tribes and Persons with Disability Students**

	Benefits Under Scheme of MHRD					
	SC		ST		PwD	
	Under Scheme of MHRD	Under Scheme of Ministries	Under Scheme of MHRD	Under Scheme of Ministries	Under Scheme of MHRD	Under Scheme of Ministries
<b>Scholarships</b>	326	NA	199	NA	06	NA
<b>Fellowships/JRF</b>	195	28	22	04	02	01
<b>Fee waiver</b>	840	NA	317	NA	77	NA
<b>Education Loans</b>	NA	NA	NA	NA	NA	NA
<b>Other Benefits</b>	NA	NA	NA	NA	NA	NA

**FORMAT-III****Details of Grievances received from SC, ST and PWD categories**

	Nature of Grievances received from employees					Grievances received from students
	Promotion	Seniority	Transfer	Training	Others	
<b>No. of Grievances received</b>	NA	NA	NA	NA	NA	NA
<b>Disposed</b>	NA	NA	NA	NA	NA	NA
<b>Pending</b>	NA	NA	NA	NA	NA	NA
<b>Reasons for pending</b>	NA	NA	NA	NA	NA	NA

**FORMAT-IV****Maintenance of Rosters**

Whether separate rosters are being maintained for each post or group of posts:-	<b>YES</b>
If No, reasons for the same:-	<b>NA</b>



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2018/546  
September 17, 2018

Shri. Kundan Nath  
Under Secretary (IITs)  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi - 110011

**Sub: Information for fulfilling the Parliamentary Assurances - reg.**

Dear Shri. Nath,

Kindly refer to your email dated September 07, 2018, regarding the subject cited above.

The details regarding Assurance given in respect of on Rajya Sabha Unstarred Question No. 1511 regarding "Allocation and expenditure on various posts under the Ministry" and Question No. 1512 regarding "Status of staff in academic institutions" is attached herewith.

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

**K.K.Tiwari**  
**Registrar**

**Encl:** As above

## Indian Institute of Technology Kanpur

Q. No. & Date	Subject	Promise Made	When and How Fulfilled	Reasons for Delay
<p><b>Unstarred</b> <b>Q.No. 1511</b> <b>08-03-2018</b> <b>by</b> <b>Shri C. P.</b> <b>Narayanan</b></p>	<p>Allocation and expenditure on various Posts under the Ministry.</p> <p>(a) The details of physical and financial status of allocation and expenditure, during the last three years, on temporary, adhoc and contractual posts in each of the departments and agencies under the control of Ministry;</p> <p>(b) The purpose of creating these posts and the reasons there;</p> <p>(c) The representation of SC, ST and OBC in these posts; and</p> <p>(d) The reasons of differences, if any, between due and actual representation of SC, ST and OBC and the details of Counter measures taken thereon?</p>	<p>a) Please find <b>Annexure-A</b> for academic and non-academic staff details and <b>Annexure-B</b> for details of expenditure during last three years on these posts.</p> <p>b) Outstanding Teaching, Research in IIT Kanpur</p> <p>c) Enclosed as <b>Annexure- A.</b></p> <p>d) Strong candidates for academic posts often do not specify their category.</p>	<p>Special recruitment drive was conducted vide advt. no. DF - 4/2017 dated 20 July 2017. Also in our regular advertisement special emphasis is given for recruitment of SC, ST and OBC candidates.</p>	<p>Continues efforts are made to recruiting the faculty member in reserve candidates</p>
<p><b>Unstarred</b> <b>Q.No. 1512</b> <b>08-03-2018</b> <b>by</b> <b>Shri C. P.</b> <b>Narayanan</b></p>	<p>(a) The annual status of permanent, temporary and guest academic/non-academic stat at each pay scale in academic institutions under direct control of the Ministry against sanctioned/prescribed strength in official documents for the last three years;</p> <p>(b) The total expenditure to meet the salary /wages of these staff at each pay scale;</p> <p>(c) the status of representation of SC, ST and OBC in it at each pay scale;</p> <p>(d) The reasons of differences, If any, between due and actual representation of SC, ST and OBC and the details of counter measures taken thereon?</p>	<p>a) Please find <b>Annexure-A</b> for academic and non-academic staff details and <b>Annexure-B</b> for details of expenditure during last three years on these posts.</p> <p>b) Scale wise expenditure is attached as <b>Annexure-B</b> for your ready reference.</p> <p>c) Enclosed as <b>Annexure- A.</b></p> <p>d) Strong candidates for academic posts often do not specify their category.</p>	<p>Special recruitment drive was conducted vide advt. no. DF - 4/2017 dated 20 July 2017. Also in our regular advertisement special emphasis is given for recruitment of SC, ST and OBC candidates</p>	<p>Continues efforts are made to recruiting the faculty member in reserve candidates</p>

  
 17/09/18



For Academic Staff

As on 1 August 2016

AGP	SC	ST	OBC	UR	Total
Scale (67000-79000)	-	-	-	58	58
AGP-10500 PB-4 (37400-67000)	2	-	-	131	133
AGP-7000 PB-3 (15600-39100)	-	-	-	23	23
AGP-8000 PB-3 (15600-39100)	-	-	-	67	67
AGP-9000 PB-4 (37400-67000)	1	-	-	39	40
AGP-9500 PB-4 (37400-67000)	-	-	-	70	70
<b>Non-Teaching Staff Pay</b>					
(PB-3 Rs.15600- 39100 GP Rs.6000)	-	-	-	3	3
(PB-3 Rs.15600- 39100 GP Rs.7000)	-	-	1	1	2
(PB-3 Rs.15600- 39100 GP Rs.8000)	-	-	-	2	2
(PB-4 Rs.37400- 67000 GP Rs. 10,500)	-	-	-	3	3
(PB-4 Rs.37400- 67000 GP Rs.9000)	-	-	-	4	4
(PB-4 Rs.37400- 67000 GP Rs. 9500)	-	-	-	12	12
	<b>3</b>	-	<b>1</b>	<b>413</b>	<b>417</b>

ANNAL  
17/09/18

For Academic Staff

As on 1 August 2017

AGP	SC	ST	OBC	UR	Total
Scale (67000-79000)	-	-	-	57	57
AGP-10500 PB-4 (37400-67000)	2	-	-	121	123
AGP-7000 PB-3 (15600-39100)	-	-	-	16	16
AGP-8000 PB-3 (15600-39100)	-	-	-	65	65
AGP-9000 PB-4 (37400-67000)	1	-	-	60	61
AGP-9500 PB-4 (37400-67000)	-	-	-	71	71
<b>Non-Teaching Staff Pay</b>					
(PB-3 Rs.15600- 39100 GP Rs.6000)	-	-	-	2	2
(PB-3 Rs.15600- 39100 GP Rs.7000)	-	-	-	2	2
(PB-3 Rs.15600- 39100 GP Rs.8000)	-	-	1	1	2
(PB-4 Rs.37400- 67000 GP Rs. 10,500)	-	-	-	5	5
(PB-4 Rs.37400- 67000 GP Rs.9000)	-	-	-	12	12
(PB-4 Rs.37400- 67000 GP Rs. 9500)	-	-	-	2	2
	<b>3</b>		<b>1</b>	<b>414</b>	<b>418</b>

MSM  
17/09/18

For Academic Staff

As on 1 August 2018

AGP	SC	ST	OBC	UR	Total
Level 10 (57,700-98,200)	-	-	1	3	4
Level 11 (68,900-1,17,200)	1	-	-	12	13
Level 12 (1,01,500-1,67,400)	-	-	-	59	59
Level 13A1 (1,31,400-2,04,700)	1	-	-	39	40
Level 13A2 (1,39,600-2,11,300)	-	-	2	106	108
Level 14A (1,59,100-2,20,200)	1	-	-	111	112
Level 15 (1,82,200-2,24,100)	-	-	-	61	61
Level 17 (2,25,000-2,25,000)	-	-	-	1	1
<b>Non-Teaching Staff Pay</b>					
(PB-3 Rs.15600-39100 GP Rs.7000)	-	-	-	2	2
(PB-4 Rs.15600-39100 GP Rs.8000)	-	-	-	1	1
(PB-4 Rs.37400-67000 GP Rs.9000)	-	-	-	5	5
(PB-4 Rs.37400-67000 GP Rs.9500)	-	-	-	12	12
(PB-4 Rs.37400-67000 GP Rs.10,500)	-	-	-	1	1
Level 10 (56,100-1,24,500)	-	-	-	2	2
Level 12 (78,800-1,75,200)	-	-	1	-	1
	<b>3</b>	<b>-</b>	<b>4</b>	<b>415</b>	<b>422</b>

WNNAN  
17/09/18

For Non-Academic Staff

As on 1 April 2016

PB:GP [as per 6 <sup>th</sup> CPC]	SC	ST	OBC	UR	Total strength
PB-4; GP:10000/-	1	-	-	2	3
PB-4; GP:8900/-	1	-	1	1	3
PB-4; GP:8700/-	-	-	-	1	1
PB-3; GP:7600/-	2	-	1	6	9
PB-3; GP:6600/-	1	-	1	2	4
PB-3; GP:5400/-	4	1	7	15	27
PB-2; GP:5400/-	4	-	-	3	7
PB-2; GP:4800/-	6	1	-	17	24
PB-2; GP:4600/-	24	-	17	60	101
PB-2; GP:4200/-	30	11	29	82	152
PB-1; GP:2800/-	19	-	12	51	82
PB-1; GP:2400/-	14	-	-	19	33
PB-1; GP:2000/-	32	-	43	83	158
PB-1; GP:1900/-	6	-	6	5	17
PB-1; GP:1800/-	3	-	1	2	6
PB-1; GP:1650/-	-	-	01	-	01
4440-7440 GP:1650	01	-	-	-	01
<b>TOTAL</b>	<b>148</b>	<b>13</b>	<b>119</b>	<b>349</b>	<b>629</b>

As on 1 April 2017

PB:GP [as per 6 <sup>th</sup> CPC]	SC	ST	OBC	UR	Total strength
PB-4; GP:10000/-	1	-	-	2	3
PB-4; GP:8900/-	1	-	1	1	3
PB-4; GP:8700/-	-	-	-	1	1
PB-3; GP:8700/-	-	-	-	1	1
PB-3; GP:7600/-	2	-	1	3	6
PB-3; GP:6600/-	1	-	1	4	6
PB-3; GP:5400/-	4	1	7	10	22
PB-2; GP:5400/-	4	-	-	2	6
PB-2; GP:4800/-	8	1	-	13	22
PB-2; GP:4600/-	24	-	18	65	107
PB-2; GP:4200/-	26	11	29	69	135
PB-1; GP:2800/-	19	-	16	61	96
PB-1; GP:2400/-	14	-	-	10	24
PB-1; GP:2000/-	39	1	44	84	168
PB-1; GP:1900/-	3	-	6	4	13
PB-1; GP:1800/-	4	-	1	4	9
PB-1; GP:1650/-	-	-	1	-	1
4440-7440; GP:1650	1	-	-	-	1
<b>TOTAL</b>	<b>151</b>	<b>14</b>	<b>125</b>	<b>334</b>	<b>624</b>

*Handwritten signature*  
17/09/16

For Non-Academic Staff

As on 1 April 2018

Level [as per 7 <sup>th</sup> CPC]	SC	ST	OBC	UR	Total strength
14	1	-	-	1	2
13A	1	-	1	1	3
13	1	-	1	4	6
12	1	-	-	1	2
11	1	-	1	4	6
10	4	1	7	13	25
9	4	-	-	1	5
8	6	1	-	12	19
7	22	1	20	57	100
6	24	12	31	77	144
5	15	-	16	56	87
4	13	-	-	8	21
3	38	1	42	74	155
2	4	-	7	4	15
1	3	-	-	2	5
4440-7440 GP:1650	1	-	-	-	01
PB-1; GP: 1650/-	-	-	1	-	01
<b>TOTAL</b>	<b>139</b>	<b>16</b>	<b>127</b>	<b>315</b>	<b>597</b>

  
 18/09/18

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**

**ANNEXURE-B**

Scale-wise expenditure on Salary Wages FY 2016-17

Pay Level	Amount
APEX-GP-0	2,214,400.00
HAG_SCALE-GP-0	104,603,364.00
PB-1-GP-1800	1,751,453.00
PB-1-GP-1900	5,007,595.00
PB-1-GP-2000	44,710,079.00
PB-1-GP-2400	11,517,979.00
PB-1-GP-2800	34,924,533.00
PB-2-GP-4200	75,497,732.00
PB-2-GP-4600	67,911,702.00
PB-2-GP-4800	17,305,699.00
PB-2-GP-5400	6,553,689.00
PB-3-GP-5400	21,107,890.00
PB-3-GP-6000	2,300,280.00
PB-3-GP-6600	4,966,459.00
PB-3-GP-7000	27,430,586.00
PB-3-GP-7600	7,293,861.00
PB-3-GP-8000	81,934,767.00
PB-4-GP-10000	4,767,080.00
PB-4-GP-10500	268,366,911.00
PB-4-GP-8700	1,987,130.00
PB-4-GP-8900	6,621,510.00
PB-4-GP-9000	68,043,074.00
PB-4-GP-9500	141,017,480.00
RE_EMP-GP-0	5,939,979.00
OTH-GP-0	22,394,830.00
-GP-	300,000.00
<b>Total</b>	<b>1,036,470,062.00</b>

*17/09/18*

Scale-wise expenditure on Salary Wages FY 2017-18

Pay Level	Amount
ACAD-LEVEL-10	164,186.00
ACAD-LEVEL-11	2,557,534.00
ACAD-LEVEL-12	13,368,061.00
ACAD-LEVEL-13A1	21,899,502.00
ACAD-LEVEL-13A2	23,286,600.00
ACAD-LEVEL-14A	46,328,770.00
ACAD-LEVEL-15-HAG-SCALE	26,367,586.00
APEX-GP-0	1,526,400.00
HAG_SCALE-GP-0	94,523,971.00
LEVEL-1	197,062.00
LEVEL-10	3,889,577.00
LEVEL-11	1,546,770.00
LEVEL-12	643,338.00
LEVEL-13	2,197,270.00
LEVEL-14	966,976.00
LEVEL-2	840,216.00
LEVEL-3	8,492,411.00
LEVEL-4	1,608,470.00
LEVEL-5	5,622,976.00
LEVEL-6	13,372,838.00
LEVEL-7	10,611,278.00
LEVEL-8	1,891,266.00
LEVEL-9	1,180,626.00
PB-1-GP-1800	1,711,370.00
PB-1-GP-1900	3,839,603.00
PB-1-GP-2000	40,684,117.00
PB-1-GP-2400	8,875,788.00
PB-1-GP-2800	34,065,652.00
PB-2-GP-4200	64,704,368.00
PB-2-GP-4600	62,489,276.00
PB-2-GP-4800	13,477,993.00
PB-2-GP-5400	5,141,786.00
PB-3-GP-5400	20,495,098.00
PB-3-GP-6000	1,265,758.00
PB-3-GP-6600	10,425,401.00
PB-3-GP-7000	15,824,300.00
PB-3-GP-7600	6,097,028.00
PB-3-GP-8000	65,288,236.00
PB-4-GP-10000	4,842,037.00
PB-4-GP-10500	220,437,810.00
PB-4-GP-8700	4,689,341.00
PB-4-GP-8900	5,097,888.00
PB-4-GP-9000	83,257,843.00
PB-4-GP-9500	126,846,588.00
RE_EMP-GP-0	1,937,636.00
LEVEL-OTH	185,000.00
OTH-GP-0	18,549,110.00
<b>Total Expenditure</b>	<b>1,103,312,711.00</b>

Scale-wise expenditure on Salary Wages upto 31 August 2018

Pay Level	Amount
ACAD-LEVEL-10	1,176,484.00
ACAD-LEVEL-11	7,105,624.00
ACAD-LEVEL-12	41,924,709.00
ACAD-LEVEL-13A1	60,112,957.00
ACAD-LEVEL-13A2	84,003,679.00
ACAD-LEVEL-14A	141,801,110.00
ACAD-LEVEL-15-HAG-SCALE	78,302,826.00
ACAD-LEVEL-17-APEX-SCALE	965,100.00
LEVEL-1	608,172.00
LEVEL-10	14,515,406.00
LEVEL-11	7,188,956.00
LEVEL-12	2,843,734.00
LEVEL-13	8,951,552.00
LEVEL-13A	549,170.00
LEVEL-14	3,013,266.00
LEVEL-2	2,766,708.00
LEVEL-3	26,921,765.00
LEVEL-4	5,292,178.00
LEVEL-5	19,876,577.00
LEVEL-6	42,228,737.00
LEVEL-7	37,303,116.00
LEVEL-8	7,610,882.00
LEVEL-9	3,239,480.00
LEVEL-OTH	1,930,000.00
LEVEL-REMP	1,000,405.00
OTH-GP-0	6,828,632.00
PB-1-GP-1800	127,424.00
PB-1-GP-1900	193,545.00
PB-1-GP-2000	62,069.00
PB-1-GP-2400	261,038.00
PB-1-GP-2800	1,922,552.00
PB-2-GP-4200	386,702.00
PB-2-GP-4600	2,852,041.00
PB-2-GP-4800	1,091,005.00
PB-3-GP-5400	115,676.00
PB-3-GP-7000	839,872.00
PB-3-GP-7600	245,502.00
PB-3-GP-8000	640,376.00
PB-4-GP-10500	1,176,606.00
PB-4-GP-9000	3,797,550.00
PB-4-GP-9500	11,508,875.00
<b>Total Expenditure</b>	<b>633,282,058.00</b>



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2018/614  
November 29, 2018

Shri. Kundan Nath  
Under Secretary (IITs)  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi - 110011

**Sub: Updation of information - reg.**

Dear Shri. Nath,

Kindly refer to your email dated November 27, 2018, regarding the subject cited above.  
Please find enclosed herewith **Performa-1** to **Performa-11** regarding updation of information, duly updated from all concerned sections.  
Hope, you will find the above information in order.

With best regards.

Yours sincerely,

**K.K.Tiwari**  
**Registrar**

**Encl:** As above

# INDIAN INSTITUTE OF TECHNOLOGY KANPUR

I. Faculty in position (As on 1.11.2018)

Name of the Post	Faculty Position sanctioned by MHRD/ as per norms of student strength	Post filled								Post vacant					Remarks
		General	SC	ST	OBC	Visiting	Adjunct	On contract	Total	General	SC	ST	OBC	Total	
Professor	IIT Kanpur has adopted the 10:1 student to faculty ratio as per MHRD guidelines. As per current student strength the sanctioned posts are 694.	210*	1	0	0	7	17	0	218					290 (Regular Faculty). IIT Kanpur follows a flexible cadre structure and hence there is no fixed number of Professors or Associate Professors or Assistant Professors.	
Associate Professor		83	0	0	1	0		0	84						
Assistant Professor		94	2	0	2	0		18	116						
<b>Total</b>		<b>387</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>7</b>	<b>17</b>	<b>18</b>	<b>435</b>						

\* = Includes Re-employed = 1  
and Emeritus Professor = 6

*Handwritten signature*  
29/11/18



## INDIAN INSTITUTE OF TECHNOLOGY KANPUR

II. Details of Faculty (Category wise) during last two academic and current years i.e. 2016-17, 2017-18 and 2018-19.

Faculty	2016-17				2017-18				2018-19			
	General	SC	ST	OBC	General	SC	ST	OBC	General	SC	ST	OBC
Professor	180	1	0	0	179	1	0	0	210	1	0	0
Associate Professor	71	0	0	0	71	0	0	0	83	0	0	1
Assistant Professor	137	1	0	1	140	1	0	1	112	2	0	2
<b>Total</b>	<b>388</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>390</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>405</b>	<b>3</b>	<b>0</b>	<b>3</b>

2016-17 Academic Year 1<sup>st</sup> July 2016 to 30<sup>th</sup> June 2017

2017-18 Academic Year 1<sup>st</sup> July 2017 to 30<sup>th</sup> June 2018

2018-19 as on 1<sup>st</sup> November 2018

Note: Data is of Regular Faculty only.

*MON*  
29/11/18

## INDIAN INSTITUTE OF TECHNOLOGY KANPUR

III. Details of Contract, Visiting and Adjunct faculty for the year 2017-18			
Faculty	Contract faculty	Visiting faculty	Adjunct faculty
Professor	0	6	-
Associate Professor	0	0	-
Assistant Professor	18	0	-
<b>Total</b>	<b>18</b>	<b>6</b>	<b>17*</b>

\* = Adjunct Faculty = 17

*M. M. M.*  
29/11/18

## INDIAN INSTITUTE OF TECHNOLOGY KANPUR

IV. Non-faculty in position (As on 1.11.2018)

Level (as per 7 <sup>th</sup> CPC)	Post sanctioned by MHRD/ as per norms of student	Category wise breakup of posts					Post filled					Post vacant					Remarks
		General	SC	ST	OBC	Total	General	SC	ST	OBC	Total	General	SC	ST	OBC	Total	
1-5	771 as per strength of 7013 students [intimated to Direcotr (IITs), MHRD vide letter No. 10256 dated 03.08.2015]						139	72	1	66	278	38	7	-	13	58	
6-9							145	55	14	51	265	7	2	-	1	10	
10-12							18	6	1	8	33	6	-	1	2	9	
13-14							6	3	-	2	11	-	-	-	-	-	
<b>Total</b>							<b>308</b>	<b>136</b>	<b>16</b>	<b>127</b>	<b>587</b>	<b>51</b>	<b>9</b>	<b>1</b>	<b>16</b>	<b>77</b>	

*Manan*  
29/11/18

## INDIAN INSTITUTE OF TECHNOLOGY KANPUR

V. Student strength (UG, PG and Ph.D) (As on 1.11.2018)

	UG				PG				Ph.D.			
	Male		Female		Male		Female		Male		Female	
		PH		PH		PH		PH		PH		PH
General	1796	43	180	3	660	0	128	0	832	1	341	0
SC	540	8	48	0	114	0	18	0	90	1	23	0
ST	242	3	38	1	13	0	2	0	12	0	5	0
OBC	982	24	91	1	267	0	44	0	298	1	76	0
<b>Total</b>	<b>3560</b>	<b>78</b>	<b>357</b>	<b>5</b>	<b>1054</b>	<b>0</b>	<b>192</b>	<b>0</b>	<b>1232</b>	<b>3</b>	<b>445</b>	<b>0</b>

*U. Narain*  
29/11/18

## INDIAN INSTITUTE OF TECHNOLOGY KANPUR

VI. Student intake (UG, PG and Ph.D) Academic Year 2018-19										
	UG		PG		Ph.D.		M.Sc.-PhD		PG (M.Tech.)	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
General	464	81	101	23	107	51	1	0	246	52
SC	129	22	12	1	16	3	1	1	69	8
ST	52	11	0	0	2	0	0	0	6	2
OBC	244	38	22	4	37	16	5	1	141	20
<b>Total</b>	<b>889</b>	<b>152</b>	<b>135</b>	<b>28</b>	<b>162</b>	<b>70</b>	<b>7</b>	<b>2</b>	<b>462</b>	<b>82</b>

*\*Data is for M.Des./MBA/VLFM/MS (By Research) Programmes*

*M. Manoj*  
29/11/18

## INDIAN INSTITUTE OF TECHNOLOGY KANPUR

VII. Seats Vacant (As on 1.11.2018) (UG, PG and Ph.D) Academic Year 2018-19						
	UG		PG		Ph.D.	
		PH		PH		PH
General	23	-	108	-	137	-
SC	5	-	57	-	68	-
ST	2	-	66	-	41	-
OBC	2	-	77	-	98	-
<b>Total</b>	<b>32</b>	<b>-</b>	<b>308</b>	<b>-</b>	<b>344</b>	<b>-</b>

*\*Upto 5% seats are reserved in each category for PwD candidates*

*29/11/18*

## INDIAN INSTITUTE OF TECHNOLOGY KANPUR

### VIII. Courses offered by the Institute as on date

Course Code	Department	Course Title
AE100	AE	INTRODUCTION TO PROFESSION
AE201A	AE	INTRODUCTION TO AEROSPACE ENGINEERING
AE211	AE	AERODYNAMICS I
AE211A	AE	INCOMPRESSIBLE AERODYNAMICS
AE231	AE	ELEMENTS OF VIBRATION
AE232	AE	AIRCRAFT STRUCTURES - I
AE251A	AE	EXPERIMENTS IN AEROSPACE ENGINEERING-I
AE311	AE	AERODYNAMICS - II
AE311A	AE	COMPRESSIBLE AERODYNAMICS
AE312	AE	AERODYNAMICS-II
AE321	AE	FLIGHT MECHANICS - I
AE321A	AE	FLIGHT MECHANICS
AE322	AE	FLIGHT MECHANICS-II
AE322A	AE	FLIGHT MECHANICS- II
AE331	AE	EXPERIMENTS IN STRUCTURES
AE331A	AE	INTRODUCTION TO AEROSPACE STRUCTURES
AE332	AE	AEROSPACE STRUCTURES-II
AE332A	AE	AEROSPACE STRUCTURES-II
AE341	AE	PROPULSION - I
AE341A	AE	AEROSPACE PROPULSION
AE342	AE	PROPULSION-II
AE345A	AE	SPACECRAFT GUIDANCE NAVIGATION AND CONTROL
AE351A	AE	EXPERIMENTS IN AEROSPACE ENGINEERING -II
AE361	AE	AEROMODELLING DESIGN & FABRICATION
AE361A	AE	AEROMODEL DESIGN & FABRICATION
AE371A	AE	B TECH PROJECT 1
AE391A	AE	UG PROJECT (UGP-I)
AE401A	AE	TECHNICAL COMMUNICATION
AE411	AE	EXPERIMENTS IN AERODYNAMICS
AE421A	AE	EXPERIMENTS IN FLIGHT MECHANICS
AE422	AE	EXPERIMENTS IN FLIGHT MECHANICS
AE422A	AE	EXPERIMENTS IN FLIGHT MECHANICS
AE441A	AE	ROCKET PROPULSION
AE451	AE	EXPERIMENTS IN AEROSPACE ENGINEERING
AE451A	AE	EXPERIMENTS IN AEROSPACE ENGINEERING III
AE461	AE	AIRCRAFT DESIGN-I
AE461A	AE	AIRCRAFT DESIGN-I
AE462	AE	AIRCRAFT DESIGN-II
AE462A	AE	AIRCRAFT DESIGN-II
AE471	AE	PROJECT-I
AE471A	AE	B TECH PROJECT
AE472	AE	PROJECT-II
AE472A	AE	UNDERGRADUATE PROJECT III
AE473A	AE	UNDER GRADUATE PROJECT IV
AE481	AE	BOUNDARY LAYER THEORY
AE481A	AE	BOUNDARY LAYER THEORY
ESO204	AE	MECHANICS OF SOLIDS
SE371	AE	FOUNDATION OF SCIENTIFIC COMPUTING
SE422	AE	FOUNDATION OF SCIENTIFIC COMPUTING
TA101A	AE	ENGINEERING GRAPHICS
BSE100	BSBE	INTRODUCTION TO BIOLOGICAL SCIENCES & BIOENGG.
BSE211A	BSBE	ORGAN SYSTEM, PHYSIOLOGY AND ANATOMY
BSE212	BSBE	MOLECULAR BIOLOGY
BSE216	BSBE	BIOCHEMISTRY
BSE221A	BSBE	BIOCHEMISTRY
BSE222A	BSBE	BIOCHEMICAL ENGINEERING

BSE223A	BSBE	BIOCHEMISTRY & BIOCHEMICAL ENGINEERING LAB
BSE292	BSBE	BSBE LAB-I MOLECULAR BIOLOGY
BSE301A	BSBE	SCIENTIFIC & PROFESSIONAL COMMUNICATION
BSE311A	BSBE	MOLECULAR CELL BIOLOGY
BSE312A	BSBE	MOLECULAR BIOLOGY LAB
BSE314	BSBE	BIOMECHANICS
BSE321A	BSBE	STRUCTURAL BIOLOGY
BSE322	BSBE	STRUCTURAL BIOLOGY & BIOINFORMATICS
BSE322A	BSBE	BIOINFORMATICS & COMPUTATIONAL BIOLOGY
BSE341	BSBE	BIOCHEMICAL ENGINEERING
BSE352	BSBE	BIOMATERIALS
BSE391	BSBE	BSBE LAB-II BIOCHEMISTRY & BIOCHEM. ENGG.
BSE392	BSBE	BSBE LAB III STRUCTURAL BIOL. & BIOINFORMATICS
BSE398A	BSBE	UG PROJECT (UGP-I)
BSE399A	BSBE	UG PROJECT (UGP-II)
BSE411A	BSBE	BIOMATERIALS
BSE412A	BSBE	BIOMATERIAL, PHYSIOLOGY & BIO-MEMS LABORATORY
BSE421	BSBE	TISSUE ENGINEERING
BSE421A	BSBE	TISSUE ENGINEERING
BSE441	BSBE	EVOLUTION OF BIOLOGICAL MACHINES
BSE452	BSBE	BIOMATERIALS
BSE454	BSBE	INTRODUCTION TO TISSUE ENGG.
BSE460	BSBE	TRENDS IN BIOLOGY AND BIOENGINEERING RESEARCH
BSE462	BSBE	METHODS IN BIO-TECHNOLOGY-1
BSE491	BSBE	BSBE LAB IV BIOMECHANICS & BIOMATERIALS
BSE492	BSBE	METHODS IN BIOTECHNOLOGY-I, EXPERIMENTAL BIOSEPERATION
BSE492A	BSBE	METHODS IN BIOTECHNOLOGY-I, EXPERIMENTAL BIOSEPERATION
BSE498	BSBE	PROJECT I
BSE498A	BSBE	UG PROJECT (UGP-III)
BSE499	BSBE	PROJECT II
BSE499A	BSBE	UNDER GRADUATE PROJECT IV
ESO206A	BSBE	PRINCIPLES OF BIOTECHNOLOGY
ESO219	BSBE	INTRODUCTION TO BIOLOGY
LIF101A	BSBE	INTRODUCTION TO BIOLOGY
CE213A	CE	INTRODUCTION TO ENVIRONMENTAL SCIENCE
CE241A	CE	SUSTAINABLE BUILT ENVIRONMENT
CE242A	CE	CIVIL ENGINEERING MATERIALS
CE262A	CE	ENGINEERING HYDRAULICS
CE272A	CE	STRUCTURAL ANALYSIS
CE311A	CE	ENVIRONMENTAL QUALITY AND POLLUTION
CE331A	CE	GEOINFORMATICS
CE332A	CE	SURVEY CAMP
CE341A	CE	CIVIL ENGINEERING COMMUNICATION SKILLS
CE351A	CE	SOIL MECHANICS
CE352A	CE	FOUNDATION DESIGN
CE361A	CE	ENGINEERING HYDROLOGY
CE371A	CE	DESIGN OF STEEL STRUCTURES
CE372A	CE	REINFORCED CEMENT CONCRETE DESIGN
CE373.	CE	SURVEY AND GEOLOGY CAMP
CE382A	CE	TRANSPORTATION ENGINEERING
CE412A	CE	WATER SUPPLY AND WASTEWATER DISPOSAL SYSTEMS
CE422A	CE	PHYSICAL AND ENVIRONMENTAL GEOLOGY
CE432A	CE	GEOGRAPHICAL INFORMATION SYSTEM (GIS)
CE441B	CE	CONSTRUCTION MANAGEMENT
CE451A	CE	APPLICATION OF GEOTECHNICAL ENGINEERING
CE462A	CE	HYDRAULIC AND HYDROLOGIC DESIGN
CE471A	CE	SPECIAL TOPICS IN STRUCTURAL DESIGN
CE472A	CE	MOVE TO CE432A
CE481A	CE	TRANSPORTATION FACILITIES DESIGN
CE483A	CE	TRAFFICE SAFETY
CE491.	CE	PROJECT - I



CE491A	CE	UNDER GRADUATE RESEARCH -I
CE492A	CE	UNDER GRADUATE RESEARCH -II
CE493A	CE	UNDER GRADUATE RESEARCH -III
ESO202A	CE	MECHANICS OF SOLIDS
ESO208A	CE	COMPUTATIONAL METHODS IN ENGINEERING
ESO218	CE	COMPUTATIONAL METHODS IN ENGINEERING
TA101N	CE	ENGINEERING GRAPHICS
CHE100	CHE	INTRODUCTION TO PROFESSION
CHE211	CHE	FLUID MECHANICS
CHE211A	CHE	FLUID MECHANICS AND ITS APPLICATION
CHE221	CHE	CHEMICAL ENGINEERING THERMODYNAMICS
CHE221A	CHE	CHEMICAL ENGINEERING THERMODYNAMICS
CHE251	CHE	CHEMICAL PROCESS CALCULATION
CHE251A	CHE	INTRODUCTION TO CHE AND PROCESS CALCULATION
CHE261A	CHE	CHEMICAL PROCESS INDUSTRIES
CHE300A	CHE	CHEMICAL ENGINEERING COMMUNICATION SKILLS
CHE312	CHE	HEAT AND MASS TRANSFER
CHE312A	CHE	HEAT TRANSFER & ITS APPLICATIONS
CHE313	CHE	SEPARATION PROCESSES
CHE313A	CHE	MASS TRANSFER & ITS APPLICATIONS
CHE331	CHE	CHEMICAL REACTION ENGINEERING
CHE331A	CHE	CHEMICAL REACTION ENGINEERING
CHE349A	CHE	UG PROJECT (UGP-I)
CHE352A	CHE	CHEMICAL PROCESS SIMULATION LAB
CHE361	CHE	CHEMICAL PROCESS INDUSTRIES
CHE362	CHE	BIOCHEMICAL ENGINEERING
CHE362A	CHE	BIOCHEMICAL ENGINEERING
CHE381	CHE	PROCESS DYNAMICS AND CONTROL
CHE381A	CHE	PROCESS CONTROL
CHE391	CHE	UNIT OPERATION LABORATORY-I
CHE391A	CHE	UNIT OPERATION LABORATORY -I
CHE398A	CHE	UG PROJECT II
CHE399A	CHE	CHEMICAL ENGINEERING COMMUNICATION SKILLS
CHE452	CHE	COMPUTER APPLICATIONS IN CHEMICAL ENGG.
CHE453	CHE	CHEMICAL ENGINEERING DESIGN
CHE453A	CHE	CHEMICAL ENGINEERING DESIGN
CHE463	CHE	ELECTRONIC POLYMERIC & CERAMIC MATERIALS & PROCESSING
CHE463A	CHE	ELECTRONIC POLYMERIC & CERAMIC MATERIALS & PROCESSING
CHE492	CHE	UNIT OPERATION LAB II
CHE492A	CHE	UNIT OPERATIONS AND PROCESS CONTROL LABORATORY
CHE494	CHE	SUMMER IN-PLANT TRAINING
CHE494A	CHE	SUMMER IN-PLANT TRAINING
CHE495	CHE	PROJECT-I
CHE496	CHE	PROJECT II
CHE497A	CHE	UNDER GRADUATE PROJECT-III
CHE498A	CHE	UNDER GRADUATE PROJECT IV
ESO201A	CHE	THERMODYNAMICS
ESO212	CHE	FLUID MECHANICS AND RATE PROCESSES
CHM100	CHM	INTRODUCTION TO PROFESSION
CHM101A	CHM	CHEMISTRY LABORATORY
CHM101N	CHM	CHEMISTRY LAB
CHM102A	CHM	GENERAL CHEMISTRY
CHM201N	CHM	CHEMISTRY
CHM202A	CHM	BASIC ORGANIC CHEMISTRY -II
CHM203A	CHM	BASIC ORGANIC CHEMISTRY-I
CHM205	CHM	INDUSTRIAL ORGANIC CHEMISTRY
CHM222	CHM	BASIC PHYSICAL CHEMISTRY
CHM222A	CHM	BASIC PHYSICAL CHEMISTRY
CHM242A	CHM	BASIC INORGANIC CHEMISTRY
CHM301	CHM	BASIC ORGANIC CHEMISTRY-I
CHM302	CHM	BASIC ORGANIC CHEMISTRY II

CHM303	CHM	ORGANIC CHEMISTRY I
CHM303A	CHM	ORGANIC CHEMISTRY I
CHM305A	CHM	ORGANIC QUALITATIVE & QUANTITATIVE ANALYSIS
CHM321A	CHM	PHYSICAL CHEMISTRY I
CHM322A	CHM	PHYSICAL CHEMISTRY -II
CHM341	CHM	BASIC INORGANIC CHEMISTRY
CHM342A	CHM	INORGANIC CHEMISTRY -II
CHM343	CHM	INORGANIC CHEMISTRY LAB
CHM344A	CHM	INORGANIC CHEMISTRY LABORATORY EXPERIMENTS
CHM345A	CHM	INORGANIC CHEMISTRY I
CHM361A	CHM	CHEMISTRY COMMUNICATION SKILLS
CHM391A	CHM	UNDER GRADUATE PROJECT-I
CHM392A	CHM	UG PROJECT II
CHM399A	CHM	CHEMISTRY COMMUNICATION SKILLS
CHM401	CHM	ORGANIC CHEMISTRY I
CHM401A	CHM	ORGANIC CHEMISTRY I
CHM402	CHM	ORGANIC CHEMISTRY II
CHM402A	CHM	ORGANIC CHEMISTRY II
CHM404	CHM	ORGANIC CHEMISTRY LAB.
CHM404A	CHM	ORGANIC QUALITATIVE & QUANTITATIVE ANALYSIS
CHM421	CHM	PHYSICAL CHEMISTRY I
CHM421A	CHM	PHYSICAL CHEMISTRY I
CHM422	CHM	PHYSICAL CHEMISTRY II
CHM423	CHM	PHYSICAL CHEMISTRY LAB
CHM423A	CHM	PHYSICAL CHEMISTRY LABORATORY
CHM441	CHM	INORGANIC CHEMISTRY I
CHM441A	CHM	INORGANIC CHEMISTRY I
CHM442	CHM	INORGANIC CHEMISTRY II
CHM443	CHM	INORGANIC CHEMISTRY LAB
CHM443A	CHM	INORGANIC CHEMISTRY LAB
CHM481	CHM	BIOSYSTEMS
CHM481A	CHM	BIOSYSTEMS
CHM482	CHM	CHEMISTRY AND OUR ENVIRONMENT
CHM491A	CHM	UNDER GRADUATE PROJECT-III
CHM492A	CHM	UG PROJECT IV
CHM503	CHM	ORGANIC PREPARATION LAB
CHM503A	CHM	ORGANIC PREPARATION LAB
CHM521	CHM	MATHEMATICS FOR CHEMISTRY
CHM521A	CHM	MATHEMATICS FOR CHEMISTRY
CHM599	CHM	MS PROJECT
CSO201A	CHM	ORGANIC CHEMISTRY: FUNDAMENTALS AND APPLICATIONS
CSO202	CHM	ATOMS, MOLECULES AND PHOTONS
CSO202A	CHM	ATOMS, MOLECULES AND PHOTONS
SE331	CHM	BASIC PHYSICAL CHEMISTRY
SE332	CHM	BASIC ORGANIC CHEMISTRY
SE333	CHM	INDUSTRIAL ORGANIC CHEMISTRY
SE334	CHM	BIOSYSTEMS
SE335	CHM	SYMMETRY IN CHEMISTRY
SE341	CHM	BIO-INORGANIC CHEMISTRY
SE344	CHM	CHEMISTRY AND OUR ENVIRONMENT
COM200	COM	COMMUNICATION SKILLS: COMPOSITION
CS100	CSE	INTRODUCTION TO PROFESSION
CS201	CSE	DISCRETE MATHEMATICS
CS201A	CSE	MATHEMATICS FOR COMPUTER SCIENCE -I
CS202	CSE	INTRODUCTION TO MATHEMATICAL LOGIC
CS202A	CSE	MATHEMATICS FOR COMPUTER SCIENCE -II
CS203B	CSE	MATHEMATICS FOR COMPUTER SCIENCE -III
CS210	CSE	DATA STRUCTURES AND ALGORITHMS I
CS210A	CSE	DATA STRUCTURES AND ALGORITHMS
CS220	CSE	INTRODUCTION TO COMPUTER ORGANISATION
CS220A	CSE	COMPUTER ORGANIZATION

CS251	CSE	COMPUTING LABORATORY-I
CS251A	CSE	COMPUTING LABORATORY-I
CS252	CSE	COMPUTING LABORATORY II
CS252A	CSE	COMPUTING LABORATORY II
CS300A	CSE	TECHNICAL COMMUNICATION
CS302	CSE	INTRODUCTION TO MATHEMATICAL LOGIC
CS315	CSE	PRINCIPLES OF DATA BASE SYSTEMS
CS315A	CSE	PRINCIPLES OF DATA BASE SYSTEMS
CS330	CSE	OPERATING SYSTEMS
CS330A	CSE	OPERATING SYSTEMS
CS335	CSE	COMPILER DESIGN
CS335A	CSE	COMPILER DESIGN
CS340	CSE	THEORY OF COMPUTATION
CS340A	CSE	THEORY OF COMPUTATION
CS345	CSE	ALGORITHMS-II
CS345A	CSE	ALGORITHMS -II
CS350	CSE	PRINCIPLES OF PROGRAMMING LANGAUGES
CS350A	CSE	PRINCIPLES OF PROGRAMMING LANGAUGES
CS351A	CSE	CSE
CS355	CSE	PROGRAMMING TOOLS AND TECHNIQUES
CS360	CSE	INTRODUCTION TO COMPUTER GRAPHICS
CS360A	CSE	INTRODUCTION TO COMPUTER GRAPHICS
CS365	CSE	ARTIFICIAL INTELLIGENCE PROGRAMMING
CS365A	CSE	ARTIFICIAL INTELLIGENCE PROGRAMMING
CS395A	CSE	UG PROJECT (UGP-I)
CS396A	CSE	UG PROJECT (UGP-II)
CS397	CSE	SPECIAL TOPICS IN COMPUTER SCIENCE
CS422	CSE	COMPUTER ARCHITECTURE
CS422A	CSE	COMPUTER ARCHITECTURE
CS425	CSE	COMPUTER NETWORKS
CS425A	CSE	COMPUTER NETWORKS
CS433	CSE	PARALLEL PROGRAMMING
CS433A	CSE	PARALLEL PROGRAMMING
CS455	CSE	INTRODUCTION TO SOFTWARE ENGINEERING
CS455A	CSE	INTRODUCTION TO SOFTWARE ENGINEERING
CS497	CSE	SPECIAL TOPICS IN COMPUTER SCIENCE
CS498	CSE	B TECH PROJECT
CS498A	CSE	UNDER GRADUATE PROJECT-III
CS499	CSE	B TECH PROJECT
CS499.	CSE	B. TECH PROJECT
CS499A	CSE	UNDER GRADUATE PROJECT-IV
ESC101A	CSE	FUNDAMENTALS OF COMPUTING
ESC101N	CSE	FUNDAMENTAL OF COMPUTING
ESO207A	CSE	DATA STRUCTURE & ALGORITHM
ESO211	CSE	DATA STRUCTURES AND ALGORITHMS
SE367	CSE	INTRODUCTION TO COGNITIVE SEIENCE
SE367A	CSE	INTRODUCTION TO COGNITIVE SEIENCE
PE102B	DOSA	EVENING EXERCISE
ECO101A	ECO	INTRODUCTION TO ECONOMICS
ECO221A	ECO	MACROECONOMICS I
ECO261A	ECO	INTRODUCTION TO MATHEMATICAL ECONOMICS
ECO301A	ECO	MICROECONOMICS II
ECO311A	ECO	DEVELOPMENT ECONOMICS
ECO321A	ECO	MACROECONOMICS-II
ECO341A	ECO	ECONOMETRICS I
ECO342A	ECO	ECONOMETRICS II
ECO397A	ECO	TECHNICAL COMMUNICATION
ECO398A	ECO	UG PROJECT (UGP-I)
ECO399A	ECO	UG PROJECT -II
ECO405	ECO	CONTRACT ECONOMICS
ECO407	ECO	MONETARY ECONOMICS

ECO411A	ECO	INDUSTRIAL ECONOMICS
ECO412A	ECO	INTERNATIONAL ECONOMICS AND FINANCE
ECO413	ECO	INDIAN ECONOMIC PROBLEMS
ECO413A	ECO	INDIAN ECONOMIC PROBLEMS
ECO422	ECO	ECONOMICS OF REGULATION AND IPR
ECO434	ECO	INTERNATIONAL ECONOMICS
ECO498A	ECO	UNDER GRADUATE PROJECT-III
ECO499A	ECO	UNDER GRADUATE PROJECT-IV
ECO501A	ECO	ENVIRONMENTAL ECONOMICS AND POLICY
ECO502	ECO	APPLIED GAME THEORY
ECO506	ECO	BEHAVIOURAL AND EXPERIMENTAL ECONOMICS
ECO507A	ECO	TOPICS IN MANAGERIAL ECONOMICS
ECO522A	ECO	MONETARY ECONOMICS
ECO525A	ECO	PLANNING TECHNIQUE
ECO535	ECO	PUBLIC ECONOMICS
ECO542A	ECO	PANEL DATA PROCEDURES AND ANALYSIS
ECO545A	ECO	BAYESIAN ECONOMETRICS
ECO560A	ECO	HEALTH ECONOMICS AND POLICY
ECO580A	ECO	WTO ISSUES AND TRADE FACILITATION
HSO201A	ECO	APPLIED PROBABILITY AND STATISTICS
EE100	EE	INTRODUCTION TO PROFESSION
EE200	EE	SIGNALS, SYSTEMS AND NETWORKS
EE200A	EE	SIGNALS, SYSTEMS & NETWORKS
EE210	EE	MICROELECTRONICS-I
EE210A	EE	MICROELECTRONICS-I
EE250	EE	CONTROL SYSTEMS ANALYSIS
EE250A	EE	CONTROL SYSTEMS ANALYSIS
EE301	EE	DIGITAL SIGNAL PROCESSING
EE301A	EE	DIGITAL SIGNAL PROCESSING
EE311	EE	MICROELECTRONICS II
EE311A	EE	MICROELECTRONICS II
EE320	EE	PRINCIPLES OF COMMUNICATIONS
EE320A	EE	PRINCIPLES OF COMMUNICATION
EE321	EE	COMMUNICATION SYSTEMS
EE321A	EE	COMMUNICATION SYSTEMS
EE330	EE	POWER SYSTEMS
EE330A	EE	POWER SYSTEMS
EE340	EE	ELECTROMAGNETIC THEORY
EE340A	EE	ELECTROMAGNETIC THEORY
EE360	EE	POWER ELECTRONICS
EE360A	EE	POWER ELECTRONICS
EE370	EE	DIGITAL ELECTRONICS & MICROPROCESSOR TECHNOLOGY
EE370A	EE	DIGITAL ELECTRONICS
EE380	EE	ELECTRICAL ENGINEERING LAB I
EE380.	EE	ELECTRICAL ENGINEERING LAB I
EE380A	EE	ELECTRICAL ENGINEERING LAB I
EE381	EE	ELECTRICAL ENGINEERING LAB II
EE381A	EE	ELECTRICAL ENGINEERING LABORATORY -II
EE390A	EE	ELECTRICAL ENGINEERING COMMUNICATION SKILLS
EE391A	EE	ELECTRICAL ENGINEERING UNDER GRADUATE PROJECT I
EE392A	EE	UNDER GRADUATE PROJECT II
EE393A	EE	ELECTRICAL ENGINEERING UNDER GRADUATE PROJECT I
EE395A	EE	ELECTRICAL ENGINEERING UNDER GRADUATE PROJECT III
EE399A	EE	ELECTRICAL ENGINEERING COMMUNICATION SKILLS
EE401A	EE	ELECTRICAL ENGINEERING COMMUNICATION SKILLS
EE416	EE	OPTO-ELECTRONICS
EE416A	EE	OPTO-ELECTRONICS
EE420	EE	MODERN CONVEX OPTIMIZATION FOR ENGG/ SCIENCE APPLICATIONS
EE420A	EE	MODERN CONVEX OPTIMIZATION FOR ENGINEERING / SCIENCE APPLICATIONS
EE442A	EE	ANTENNAS AND PROPAGATION
EE455	EE	TRANSDUCERS AND INSTRUMENTATION

EE480A	EE	ELECTRICAL ENGINEERING LAB I
EE490.	EE	PROJECT WORK
EE491	EE	PROJECT I
EE491A	EE	UNDER GRADUATE PROJECT -III
EE492	EE	PROJECT II
EE492A	EE	UNDER GRADUATE PROJECT-IV
ESC102N	EE	INTRODUCTION TO ELECTRONICS
ESC201A	EE	INTRODUCTION TO ELECTRONICS
ESO203A	EE	INTRODUCTION TO ELECTRICAL ENGINEERING
ESO210	EE	INTRODUCTION TO ELECTRICAL ENGINEERING
ES311A	ES	CRYSTALLOGRAPHY AND MINERALOGY
ES312A	ES	FIELD GEOLOGY-I
ES313A	ES	GEOMORPHOLOGY AND EARTH SURFACE PROCESSES
ES314A	ES	FUNDAMENTALS OF GEOPHYSICS
ES315A	ES	IGNEOUS & METAMORPHIC PETROLOGY
ES391A	ES	UNDER GRADUATE PROJECT -1
ES400A	ES	COMMUNICATION SKILLS IN EARTH SCIENCES
ES411A	ES	STRUCTURAL GEOLOGY
ES412A	ES	SEDIMENTARY PROCESSES & STRATIGRAPHIC PRINCIPLES
ES413A	ES	GEOCHEMISTRY
ES414A	ES	FIELD GEOLOGY II
ES415A	ES	GEOLOGICAL REMOTE SENSING AND GIS
ES416A	ES	EXPLORATION GEOPHYSICS
ES417A	ES	GEOLOGICAL EVOLUTION OF INDIAN PLATE
ES418A	ES	FIELD GEOLOGY III
ES450A	ES	ECONOMIC GEOLOGY
ESO213A	ES	FUNDAMENTALS OF EARTH SCIENCES
ART101A	HSS	INDIAN ART AND CIVILIZATION
ART102	HSS	INTRODUCTION TO ART CRITICISM AND APPRECIATION
ART102.	HSS	INTRODUCTION TO ART CRITICISM AND APPRECIATION
ART102A	HSS	INTRODUCTION TO ART APRECIATION & CRITICISM
ART103	HSS	INTRODUCTION TO WESTERN ART
ART103A	HSS	INTRODUCTION TO WESTERN ART
ART104	HSS	APPRECIATING FAR-EASTERN CINEMA
ART104A	HSS	ARCHITECTURE AND ENVIRONMENTAL DESIGN
ART105	HSS	INTRODUCTION TO THE ART OF VIDEO MAKING
ART105.	HSS	INTRODUCTION TO THE ART OF VIDEO MAKING
ART105A	HSS	INTRODUCTION TO THE ART OF VIDEO MAKING
ART106	HSS	ELEMENTS OF VISUAL REPRESENTATION
ART106A	HSS	ELEMENTS OF VISUAL REPRESENTATION
ART401	HSS	APPRECIATING FAR-EASTERN CINEMA
ART401A	HSS	APPRECIATING FAR-EASTERN CINEMA
ART402	HSS	MODERN ART
ART402A	HSS	MODERN ART
ART406	HSS	ART CRITICISM: THEORY AND PRACTICE
ART406A	HSS	ART CRITICISM: THEORY AND PRACTICE
ART410	HSS	VIDEO PRODUCTION - THEORY & PRACTICE
ART411	HSS	PRINCIPLES OF COMMUNICATION DESIGN
ART411A	HSS	PRINCIPLES OF COMMUNICATION DESIGN
ECO100	HSS	INTRODUCTION TO PROFESSION
ECO101	HSS	INTRODUCTION TO ECONOMICS
ECO112A	HSS	INTRODUCTON TO MACROECONOMIC PROBLEMS AND POLICIES
ECO201	HSS	MICROECONOMICS - I
ECO201.	HSS	MICROECONOMICS - I
ECO201A	HSS	MICROECONOMICS I
ECO202	HSS	MACROECONOMICS
ECO231	HSS	ECONOMIC PROBLEMS AND POLICY
ECO261	HSS	INTRODUCTION TO MATHEMETICAL ECONOMICS
ECO303	HSS	MICRO ECONOMICS II
ECO311	HSS	ECONOMETRIC METHODS
ECO312	HSS	ECONOMETRIC PRACTICE

ECO321	HSS	INDUSTRIAL ECONOMICS
ECO332	HSS	DEVELOPMENT ECONOMICS
ECO333	HSS	MONEY AND BANKING
ECO341	HSS	ENVIRONMENTAL ECONOMICS AND POLICY
ECO342	HSS	ECONOMETRICS II
ECO371A	HSS	PUBLIC ECONOMICS AND PUBLIC POLICY
ECO402	HSS	MACROECONOMICS II
ECO404	HSS	HISTORY OF ECONOMIC THOUGHT
ECO408	HSS	ADVANCED MACRO ECONOMICS
ECO408A	HSS	ADVANCED MACRO ECONOMICS
ECO409	HSS	DYNAMIC MACROECONOMICS
ECO423	HSS	FINANCIAL ECONOMICS
ECO423A	HSS	FINANCIAL ECONOMICS
ECO424	HSS	ECONOMIC ANALYSIS OF LAW
ECO424A	HSS	ECONOMIC ANALYSIS OF LAW
ECO444	HSS	EMPIRICAL METHODS IN APPLIED MICROECONOMICS
ECO501	HSS	ENVIRONMENTAL ECONOMICS AND POLICY
ECO502A	HSS	APPLIED GAME THEORY
ECO504A	HSS	ECONOMIC ANALYSIS OF LAW
ECO506A	HSS	BEHAVIOURAL AND EXPERIMENTAL ECONOMICS
ECO514	HSS	INPUT-OUTPUT TECHNIQUES
ECO522	HSS	MONETARY ECONOMICS
ECO523	HSS	ECONOMIC GROWTH THEORY AND PRACTICE
ECO523A	HSS	ECONOMIC GROWTH THEORY AND PRACTICE
ECO524A	HSS	HETEROGENOUS FIRMS AND INTERNATIONAL TRADE
ECO527	HSS	MULTINATIONAL ENTERPRISES
ECO535A	HSS	PUBLIC ECONOMICS
ECO540	HSS	HISTORY OF ECONOMIC DEVELOPMENT
ECO541	HSS	EMPIRICAL METHODS IN APPLIED MICROECONOMICS
ECO541A	HSS	EMPIRICAL METHODS IN APPLIED MICROECONOMICS
ECO542	HSS	PANEL DATA PROCEDURES AND ANALYSIS
ECO543	HSS	BAYESIAN DATA ANALYSIS
ECO543A	HSS	BAYESIAN DATA ANALYSIS
ECO572	HSS	PRODUCTIVITY AND EFFICIENCY ANALYSIS
ECO572A	HSS	PRODUCTIVITY AND EFFICIENCY ANALYSIS
ECO598	HSS	PROJECT-I
ECO599	HSS	PROJECT-II
ENG112	HSS	ENGLISH LANGUAGE AND COMMUNICATION SKILLS
ENG112A	HSS	ENGLISH LANGUAGE AND COMMUNICATION SKILLS
ENG112C	HSS	ENGLISH LANGUAGE AND COMMUNICATION SKILLS
ENG112N	HSS	ENGLISH LANGUAGE AND COMPOSITION
ENG121A	HSS	ENGLISH LANGUAGE AND COMPOSITION
ENG121B	HSS	ENGLISH LANGUAGE AND COMPOSITION
ENG122	HSS	INTRODUCTION TO LINGUISTICS
ENG122A	HSS	INTRODUCTION TO LINGUISTICS
ENG123	HSS	INTRODUCTION TO LITERATURE
ENG123A	HSS	INTRODUCTION TO LITERATURE
ENG124	HSS	LANGUAGE AND SOCIETY
ENG124A	HSS	LANGUAGE AND SOCIETY
ENG408A	HSS	SECOND LANGUAGE ACQUISITION
ENG423A	HSS	CURRENT ISSUES IN LINGUISTICS
ENG431	HSS	THE INDO-ANGLIAN NOVEL
ENG432	HSS	LITERATURE AND IDEOLOGY
ENG432A	HSS	LITERATURE AND IDEOLOGY
ENG433	HSS	MODERN DRAMA
ENG433A	HSS	MODERN DRAMA
ENG434	HSS	MODERN BRITISH AND AMERICAN NOVEL
ENG434A	HSS	MODERN BRITISH AND AMERICAN NOVEL
ENG435	HSS	TOPICS IN LITERARY MOVEMENTS
ENG435A	HSS	TOPICS IN LITERARY MOVEMENTS
ENG436	HSS	THE WRITER'S VISION OF THE FUTURE

UG



ENG436A	HSS	THE WRITER'S VISION OF THE FUTURE
ENG437	HSS	INDIAN LITERATURE
ENG437A	HSS	INDIAN LITERATURE
ENG438	HSS	POSTCOLONIAL LITERATURE
ENG438A	HSS	POSTCOLONIAL LITERATURE
ENG439	HSS	LITERATURE AND CENSORSHIP
ENG439A	HSS	LITERATURE AND CENSORSHIP
ENG440	HSS	TOPICS IN LITERARY GENRES
ENG440A	HSS	TOPICS IN LITERARY GENRES
ENG443	HSS	NATURAL LANGUAGE SEMANTICS
ENG445	HSS	LITERATURE & THE INDIVIDUAL
ENG445A	HSS	LITERATURE & THE INDIVIDUAL
ENG446	HSS	LITERATURE & ADAPTATION
ENG446A	HSS	LITERATURE & ADAPTATION
ENG447A	HSS	TOPICS IN COGNITIVE LINGUISTICS
ENG448	HSS	LANGAUGES OF SOUTH ASIA
ENG448A	HSS	LANGAUGES OF SOUTH ASIA
ENG450	HSS	ACADEMIC WRITING
ENG450A	HSS	ACADEMIC WRITING
ENG451	HSS	GLOBAL COMMUNICATION
ENG452A	HSS	LINGUISTIC TYPOLOGY
ENG453A	HSS	LINGUISTIC UNIVERSALS
ENG456	HSS	CLIMATE FICTION AND FILMS
ENG456A	HSS	CLIMATE FICTION AND FILMS
ENG457	HSS	FILM AND THEORY
ENG457A	HSS	FILM AND THEORY
ENG458	HSS	COMEDY: FROM SITCOM TO STANDUP!
ENG458A	HSS	COMEDY: FROM SITCOM TO STANDUP!
ENG460A	HSS	AUTOBIOGRAPHICAL LITERATURE
HSS401	HSS	SOFT SKILLS AND PERSONALITY DEVELOPMENT
HSS401A	HSS	SOFT SKILLS AND PERSONALITY DEVELOPMENT
HSS403	HSS	SOCIAL AND BEHAVIOURAL ASPECTS OF HEALTH
HSS403A	HSS	SOCIAL AND BEHAVIOURAL ASPECTS OF HEALTH
PHI140	HSS	INTRODUCTION TO INDIAN PHILOSOPHY
PHI140A	HSS	INTRODUCTION TO INDIAN PHILOSOPHY
PHI141	HSS	INTRODUCTION TO PHILOSOPHY
PHI141.	HSS	INTRODUCTION TO PHILOSOPHY
PHI141A	HSS	INTRODUCTION TO PHILOSOPHY
PHI141B	HSS	INTRODUCTION TO PHILOSOPHY
PHI142	HSS	INTRODUCTION TO LOGIC
PHI142A	HSS	INTRODUCTION TO LOGIC
PHI143A	HSS	INTRODUCTION TO POLITICAL PHILOSOPHY
PHI442	HSS	MARXISM, GANDHI AND EXISTENTIALISM
PHI442A	HSS	MARXISM, GANDHI AND EXISTENTIALISM
PHI446	HSS	PHILOSOPHY OF SCIENCE
PHI446A	HSS	PHILOSOPHY OF SCIENCE
PHI447	HSS	MORAL THINKING
PHI447A	HSS	MORAL THINKING
PHI448	HSS	INDIVIDUAL VS AUTHORITY
PHI448A	HSS	INDIVIDUAL VS AUTHORITY
PHI450	HSS	PHILOSOPHICAL AESTHETICS
PHI450A	HSS	PHILOSOPHICAL AESTHETICS
PHI451	HSS	TOPICS IN INDIAN PHILOSOPHY
PHI451A	HSS	TOPICS IN INDIAN PHILOSOPHY
PHI455	HSS	PHILOSOPHICAL LOGIC
PHI455A	HSS	PHILOSOPHICAL LOGIC
PSY151	HSS	INTRODUCTION TO PSYCHOLOGY
PSY151A	HSS	INTRODUCTION TO PSYCHOLOGY
PSY151B	HSS	INTRODUCTION TO PSYCHOLOGY
PSY152	HSS	APPLICATION OF PSYCHOLOGY TO LIFE
PSY152A	HSS	APPLICATION OF PSYCHOLOGY TO LIFE

PSY451	HSS	PSYCHOLOGY OF ADJUSTMENT
PSY451A	HSS	PSYCHOLOGY OF ADJUSTMENT
PSY454	HSS	SOCIAL PSYCHOLOGY
PSY454A	HSS	SOCIAL PSYCHOLOGY
PSY457	HSS	INTERPERSONAL DYNAMICS
PSY458	HSS	ORGANIZATIONAL AND ADMINISTRATIVE PSYCHOLOGY
PSY458A	HSS	ORGANIZATIONAL AND ADMINISTRATIVE PSYCHOLOGY
PSY468	HSS	SOCIAL COGNITION
PSY468A	HSS	SOCIAL COGNITION
PSY470A	HSS	PSYCHOLOGY OF WELLBEING
PSY499	HSS	PSYCHOLOGY OF LANGUAGE
PSY499A	HSS	PSYCHOLOGY OF LANGUAGE
SOC171	HSS	INTRODUCTORY SOCIOLOGY
SOC171.	HSS	INTRODUCTORY SOCIOLOGY
SOC171A	HSS	INTRODUCTORY SOCIOLOGY
SOC171B	HSS	INTRODUCTORY SOCIOLOGY
SOC173	HSS	INTRODUCTION TO INDIAN SOCIETY
SOC173A	HSS	INTRODUCTION TO INDIAN SOCIETY
SOC173B	HSS	INTRODUCTION TO INDIAN SOCIETY
SOC470	HSS	SOCIOLOGY OF DEVELOPMENT
SOC470A	HSS	SOCIOLOGY OF DEVELOPMENT
SOC473	HSS	INDIAN SOCIETY AND CULTURE
SOC473A	HSS	INDIAN SOCIETY AND CULTURE
SOC474	HSS	INDUSTRIAL SOCIOLOGY
SOC477	HSS	URBAN HABITAT AND SOCIAL INTERACTION
SOC477A	HSS	URBAN HABITAT AND SOCIAL INTERACTION
SOC479	HSS	POPULATION, ECONOMY AND SOCIETY
SOC479A	HSS	POPULATION, ECONOMY AND SOCIETY
SOC481	HSS	SOCIETY AND SOCIAL PROBLEMS OF INDIA
SOC481A	HSS	SOCIETY AND SOCIAL PROBLEMS OF INDIA
SOC482A	HSS	SOCIOLOGY OF GLOBALIZATION
SOC484A	HSS	SOCIOLOGY OF THE NEW MEDIA
SOC486	HSS	HUMAN RIGHTS THEORY AND PRACTICE
SOC486A	HSS	HUMAN RIGHTS THEORY AND PRACTICE
SOC489	HSS	EXPLORING HUMAN VALUES: VISIONS OF HAPPINESS AND PERFECT SOCIETY
SOC490A	HSS	SOCIOLOGY OF WORK
ESO202	ME	THERMODYNAMICS
ESO204A	ME	FLUID MECHANICS AND RATE PROCESSES
ESO206	ME	DYNAMICS
ESO209A	ME	DYNAMICS
ME100	ME	INTRODUCTION TO PROFESSION
ME222A	ME	NATURE AND PROPERTIES OF MATERIALS
ME231	ME	FLUID MECHANICS
ME231A	ME	FLUID MECHANICS
ME251	ME	ENGINEERING DESIGN AND GRAPHICS
ME251A	ME	ENGINEERING DESIGN AND GRAPHICS
ME300	ME	SUMMER INDUSTRIAL TRAINING
ME301	ME	ENERGY SYSTEMS I
ME301A	ME	ENERGY SYSTEMS I
ME321	ME	ADVANCED MECHANICS OF SOLIDS
ME321A	ME	ADVANCE MECHANICS OF SOLIDS
ME340A	ME	INTRODUCTION TO REFRIGERATION AND AIR CONDITIONING
ME341	ME	HEAT AND MASS TRANSFER
ME341A	ME	HEAT & MASS TRANSFER
ME351	ME	DESIGN OF MACHINE ELEMENTS
ME351A	ME	DESIGN OF MACHINE ELEMENTS
ME352	ME	THEORY OF MECHANISMS & MACHINES
ME352A	ME	THEORY OF MECHANISMS & MACHINES
ME353	ME	DYNAMICS AND VIBRATION OF MACHINERY
ME354	ME	VIBRATION & CONTROL
ME354A	ME	VIBRATION & CONTROL



ME359	ME	INTERNAL COMBUSTION ENGINES
ME359A	ME	INTERNAL COMBUSTION ENGINES
ME361	ME	MANUFACTURING TECHNOLOGY
ME361A	ME	MANUFACTURING SCIENCE & TECHNOLOGY
ME371	ME	MECHANICAL ENGINEERING LAB-I
ME374	ME	MECHANICAL ENGG. RESEARCH
ME398A	ME	UNDER GRADUATE PROJECT I
ME399A	ME	MECHANICAL ENGINEERING COMMUNICATION SKILLS
ME401	ME	ENERGY SYSTEMS - II
ME401A	ME	ENERGY SYSTEMS-II
ME451	ME	PROJECT - I
ME451A	ME	ME PROJECT-1
ME452	ME	PROJECT II
ME452.	ME	PROJECT II
ME452A	ME	PROJECT II
ME453	ME	AUTOMATION AND CONTROL
ME461	ME	MANUFACTURING SYSTEMS
ME461A	ME	MANUFACTURING SYSTEMS
ME471N	ME	MECHANICAL ENGINEERING LAB
ME498	ME	UG PROJECT-IV
ME498A	ME	UG PROJECT-IV
SE381	ME	MICROSCALE THERMAL SCIENCES
SE394	ME	INTRODUCTION TO CONTINUUM MECHANICS
TA201B	ME	MANUFACTURING PROCESSES
TA202A	ME	MANUFACTURING PROCESSES II
TA202N	ME	MANUFACTURING PROCESSES
ESQ214	MME	NATURE AND PROPERTIES OF MATERIALS
MME100	MME	INTRODUCTION TO PROFESSION
MME200	MME	THERMODYNAMICS OF MATERIALS
MME210	MME	METALLURGICAL KINETICS
MME250	MME	MATERIALS CHARACTERIZATION
MME310	MME	MECHANICAL BEHAVIOUR OF MATERIALS
MME320	MME	PRINCIPLES OF METAL EXTRACTION AND REFINING
MME330	MME	PHASE EQUILIBRIA IN MATERIALS
MME330.	MME	IRON AND STEELMAKING
MME331	MME	PROCESS METALLURGY LAB.
MME340	MME	PHASE TRANSFORMATIONS IN MATERIALS
MME350	MME	IRON AND STEELMAKING
MME370	MME	FUNDAMENTALS OF MATERIALS PROCESSING
MME390	MME	INDUSTRIAL TOUR
MME410	MME	ELECTRONIC & MAGNETIC PROPERTIES OF MATERIALS
MME415	MME	PHYSICAL METALLURGY LAB
MME420	MME	HISTORY OF SCIENCE AND TECHNOLOGY OF METALLURGY
MME424	MME	MODELLING OF STEELMAKING PROCESSES
MME425	MME	PROCESS PLANT DESIGN FOR METT. ENGG. OPERATIONS
MME430	MME	FURNANCE TECHNOLOGIES
MME441	MME	STRUCTURAL CHARACTERIZATION TECHNIQUES & THEIR APPLICATION
MME467	MME	MATERIALS FOR SEMICONDUCTOR INDUSTRY
MME470	MME	MANUFACTURING PROCESS
MME480	MME	MATERIALS DEGRADATION & ITS PREVENTION
MME482	MME	ADVANCES IN HEAT TREATMENT TECHNOLOGY
MME498	MME	PROJECT I
MME499	MME	PROJECT II
ESQ205A	MSE	NATURE AND PROPERTIES OF MATERIALS
MSE100	MSE	INTRODUCTION TO PROFESSION
MSE200	MSE	THERMODYNAMICS OF MATERIALS
MSE201A	MSE	THERMODYNAMICS & PHASE EQUILIBRIA
MSE202A	MSE	RATE PROCESSES
MSE203A	MSE	STRUCTURE & CHARACTERIZATION OF MATERIALS
MSE204A	MSE	INTRODUCTION OF BIOMATERIALS
MSE210	MSE	METALLURGICAL KINETICS

MSE250	MSE	MATERIALS CHARACTERIZATION
MSE300A	MSE	PROFESSIONAL & TECHNICAL COMMUNICATION
MSE301A	MSE	PHASE TRANSFORMATIONS
MSE302A	MSE	MECHANICAL BEHAVIOUR OF MATERIALS
MSE303A	MSE	ELECTRONIC & MAGNETIC PROPERTIES OF MATERIALS
MSE304A	MSE	PRINCIPLES OF METAL EXTRACTION & REFINING
MSE305A	MSE	MATERIALS PROCESSING
MSE310	MSE	MECHANICAL BEHAVIOUR OF MATERIALS
MSE311A	MSE	PHYSICAL METALLURGY LABORATORY
MSE312A	MSE	FUNCTIONAL MATERIALS LABORATORY
MSE313A	MSE	MECHANICAL BEHAVIOUR LABORATORY
MSE314A	MSE	PROCESS ENGINEERING LABORATORY
MSE315	MSE	MANUFACTURING PROCESSES LABORATORY
MSE315A	MSE	MANUFACTURING PROCESSES LABORATORY
MSE320	MSE	PRINCIPLES OF METAL EXTRACTION AND REFINING
MSE330	MSE	PHASE EQUILIBRIA IN MATERIALS
MSE331	MSE	PROCESS METALLURGY LAB.
MSE340	MSE	PHASE TRANSFORMATIONS IN MATERIALS
MSE349A	MSE	UNDER GRADUATE PROJECT I
MSE350	MSE	IRON & STEEL MAKING
MSE370	MSE	FUNDAMENTALS OF MATERIALS PROCESSING
MSE390	MSE	INDUSTRIAL TOUR
MSE398A	MSE	UNDER GRADUATE PROJECT II
MSE410	MSE	ELECTRONIC & MAGNETIC PROPERTIES OF MATERIALS
MSE415	MSE	PHYSICAL METALLURGY LAB
MSE421	MSE	IRON AND STEEL MAKING
MSE421A	MSE	IRON AND STEEL MAKING
MSE422	MSE	SELECTION AND DESIGN OF ENGINEERING MATERIALS
MSE422A	MSE	SELECTION AND DESIGN OF ENGINEERING MATERIALS
MSE425	MSE	PROCESS PLANT DESIGN FOR METT. ENGG. OPERATIONS
MSE425A	MSE	PROCESS PLANT DESIGN FOR METT. ENGG. OPERATIONS
MSE449A	MSE	UNDER GRADUATE PROJECT IV
MSE467	MSE	MATERIALS FOR SEMICONDUCTOR INDUSTRY
MSE467A	MSE	MATERIALS FOR SEMICONDUCTOR INDUSTRY
MSE470	MSE	MANUFACTURING PROCESS
MSE480	MSE	MATERIALS DEGRADATION & ITS PREVENTION
MSE497A	MSE	UNDER GRADUATE PROJECT III
MSE498	MSE	PROJECT I
MSE499	MSE	PROJECT II
TA201A	MSE	MANUFACTURING PROCESSES I
TA201N	MSE	INTRODUCTION TO MANUFACTURING PROCESSES
ESO209	MTH	PROBABILITY AND STATISTICS
MSO201A	MTH	PROBABILITY AND STATISTICS
MSO202	MTH	COMPLEX VARIABLES
MSO202A	MTH	COMPLEX VARIABLES
MSO203	MTH	PARTIAL DIFFERENTIAL EQUATIONS
MSO203B	MTH	PARTIAL DIFFERENTIAL EQUATIONS
MTH100	MTH	INTRODUCTION TO PROFESSION
MTH101A	MTH	MATHEMATICS I
MTH101N	MTH	MATHEMATICS I
MTH101T	MTH	MATHEMATICS I SLOW PACED
MTH102A	MTH	MATHEMATICS - II
MTH102N	MTH	MATHEMATICS - II
MTH201	MTH	LINEAR ALGEBRA
MTH201A	MTH	A FIRST COURSE IN LINEAR ALGEBRA
MTH201N	MTH	LINEAR ALGEBRA
MTH202	MTH	DISCRETE MATHEMATICS
MTH202A	MTH	SET THEORY AND DISCRETE MATHEMATICS
MTH203N	MTH	MATHEMATICS - III
MTH204	MTH	ALGEBRA I
MTH204A	MTH	ABSTRACT ALGEBRA

MTH205	MTH	INTRODUCTION TO FOURIER SERIES
MTH205A	MTH	INTRODUCTION TO FOURIER SERIES
MTH215	MTH	NUMBER THEORY
MTH215A	MTH	NUMBER THEORY
MTH300	MTH	BASIC STRUCTURE OF MATHEMATICS
MTH301	MTH	ANALYSIS - I
MTH301A	MTH	ANALYSIS- I
MTH302	MTH	MATHEMATICAL LOGIC
MTH302A	MTH	SET THEORY & LOGIC
MTH304	MTH	TOPOLOGY
MTH304A	MTH	TOPOLOGY
MTH305	MTH	SEVERAL VARIABLE CALCULUS & DEFFERENTIAL GEOMETRY
MTH305A	MTH	SEVERAL VARIABLE CALCULUS & DEFFERENTIAL GEOMETRY
MTH306	MTH	LINEAR PROGRAMMING AND EXTENSIONS
MTH306A	MTH	LINEAR PROGRAMMING AND EXTENSIONS
MTH308	MTH	PRINCIPLES OF NUMERICAL COMPUTATION
MTH308A	MTH	PRINCIPLES OF NUMERICAL COMPUTATIONS
MTH308B	MTH	NUMERICAL ANALYSIS AND SCIENTIFIC COMPUTING-I
MTH309	MTH	PROBABILITY THEORY
MTH309A	MTH	PROBABILITY THEORY
MTH311	MTH	PROBABILITY THEORY - I
MTH311A	MTH	PROBABILITY THEORY - I
MTH391A	MTH	UG PROJECT (UGP-I)
MTH392A	MTH	UNDER GRADUATE PROJECT II
MTH393A	MTH	UG PROJECT (UGP-III)
MTH394A	MTH	UNDER GRADUATE PROJECT IV
MTH399A	MTH	TECHNICAL COMMUNICATION SKILLS
MTH401	MTH	THEORY OF COMPUTATION
MTH401A	MTH	THEORY OF COMPUTATION
MTH403	MTH	COMPLEX ANALYSIS
MTH403A	MTH	COMPLEX ANALYSIS
MTH404	MTH	ANALYSIS II
MTH404A	MTH	ANALYSIS II
MTH405	MTH	FUNCTIONAL ANALYSIS
MTH405A	MTH	FUNCTIONAL ANALYSIS
MTH409	MTH	COMPUTER PROGRAMMING AND DATA STRUCTURES
MTH409A	MTH	COMPUTER PROGRAMMING AND DATA STRUCTURES
MTH411	MTH	PROBABILITY THEORY II
MTH412	MTH	APPLIED STOCHASTIC PROCESS
MTH412A	MTH	APPLIED STOCHASTIC PROCESS
MTH413	MTH	REAL AND COMPLEX ANALYSIS
MTH413A	MTH	REAL AND COMPLEX ANALYSIS
MTH415	MTH	MATRIX THEORY AND LINEAR ESTIMATION
MTH415A	MTH	MATRIX THEORY AND LINEAR ESTIMATION
MTH416	MTH	REGRESSION ANALYSIS
MTH416A	MTH	REGRESSION ANALYSIS
MTH417	MTH	SAMPLING THEORY
MTH417A	MTH	SAMPLING THEORY
MTH418	MTH	INFERENCE I
MTH418A	MTH	INFERENCE -I
MTH421	MTH	ORDINARY DIFFERENTIAL EQUATIONS
MTH421A	MTH	ORDINARY DIFFERENTIAL EQUATIONS
MTH423	MTH	INTRODUCTION TO CONTINUUM MACHANICS
MTH423A	MTH	INTRODUCTION TO CONTINUUM MACHANICS
MTH424	MTH	PARTIAL DIFFERENTIAL EQUATIONS
MTH424A	MTH	PARTIAL DIFFERENTIAL EQUATIONS
MTH425	MTH	DISTRIBUTIONS IN STATISTICS
MTH425A	MTH	DISTRIBUTIONS THEORY IN STATISTICS
MTH426	MTH	AN INTRODUCTION TO MATHEMATICAL MODELLING
MTH426A	MTH	AN INTRODUCTION TO MATHEMATICAL MODELLING
MTH427A	MTH	FOUNDATIONS OF OPTIMIZATION

MTH428	MTH	MATHEMATICAL METHODS
MTH428A	MTH	MATHEMATICAL METHODS
MTH429A	MTH	CALCULUS IN $R^n$
MTH430A	MTH	NUMERICAL ANALYSIS & SCIENTIFIC COMPUTING II
MTH431A	MTH	BASIC PROBABILITY & DISTRIBUTION THEORY
MTH432A	MTH	INTRODUCTION TO SAMPLING THEORY
MTH433A	MTH	REAL ANALYSIS
MTH434A	MTH	COMPLEX ANALYSIS
MTH435A	MTH	DISCONTINUED
MTH506	MTH	OPTIMIZATION
MTH511	MTH	STATISTICAL SIMULATION AND DATA ANALYSIS
MTH511.	MTH	ESSENTIAL OF CODING THEORY
MTH511A	MTH	STATISTICAL SIMULATION AND DATA ANALYSIS
MTH512	MTH	FOUNDATIONS OF MATHEMATICAL FINANCE
MTH512A	MTH	FOUNDATIONS OF MATHEMATICAL FINANCE
MTH513	MTH	ANALYSIS OF VARIANCE
MTH513A	MTH	ANALYSIS OF VARIANCE
MTH514	MTH	MULTIVARIATE ANALYSIS
MTH514A	MTH	MULTIVARIATE ANALYSIS
MTH515	MTH	INFERENCE - II
MTH515A	MTH	INFERENCE - II
MTH516	MTH	NON-PARAMETRIC INFERENCE
MTH516A	MTH	NON-PARAMETRIC INFERENCE
MTH517	MTH	TIME SERIES ANALYSIS
MTH517A	MTH	TIME SERIES ANALYSIS
MTH520	MTH	NUMERICAL LINEAR ALGEBRA
MTH522	MTH	FINITE ELEMENT METHOD
MTH522A	MTH	FINITE ELEMENT METHOD
MTH523	MTH	FLUID MECHANICS
MTH523A	MTH	FLUID MECHANICS
MTH524	MTH	ALGORITHMS
MTH524A	MTH	ALGORITHMS
MTH535A	MTH	AN INTRODUCTION TO BAYESIAN ANALYSIS
MTH552	MTH	STATISTICAL & AI TECHIQUES IN DATA MINING
MTH552A	MTH	STATISTICAL & AI TECHIQUES IN DATA MINING
MTH598	MTH	PROJECT-I
MTH598A	MTH	PROJECT-I
MTH599	MTH	PROJECT- II
MTH599.	MTH	PROJECT I, II
MTH599A	MTH	PROJECT-II
SE351	MTH	LINEAR ALGEBRA
SE352	MTH	DISCRETE MATHEMATICS
SE353	MTH	BASIC STRUCTURES OF MATHEMATICS
SE354	MTH	MATHEMATICAL LOGIC
SE356	MTH	OPERATIONS RESEARCH - I
SE358	MTH	REGRESSION ANALYSIS
SE359	MTH	APPLIED STOCHASTIC PROCESSES
SE360	MTH	MATHEMATICAL METHODS
SE361	MTH	STATISTICAL SIMULATION & DATA ANALYSIS
SE363	MTH	FINITE ELEMENT METHOD
SE364	MTH	MATHEMATICAL MODELING
PHY100	PHY	INTRODUCTION TO PROFESSION
PHY101A	PHY	PHYSICS LABORATORY
PHY101N	PHY	PHYSICS LAB
PHY102A	PHY	PHYSICS-I
PHY102N	PHY	PHYSICS-I
PHY103.	PHY	PHYSICS II
PHY103A	PHY	PHYSICS-II
PHY103N	PHY	PHYSICS - II
PHY204	PHY	QUANTUM PHYSICS
PHY204A	PHY	QUANTUM PHYSICS

PHY205A	PHY	FUNDAMENTAL OF SOFT MATTER
PHY210	PHY	THERMAL PHYSICS
PHY210A	PHY	THERMAL PHYSICS
PHY218	PHY	OPTICS LAB
PHY224	PHY	OPTICAL PHYSICS
PHY224A	PHY	OPTICS
PHY226B	PHY	RELATIVITY
PHY301	PHY	ENERGY
PHY301A	PHY	ENERGY
PHY303	PHY	PRINCIPLES OF LASERS & THEIR APPLICATIONS
PHY303A	PHY	PRINCIPLES OF LASERS & THEIR APPLICATIONS
PHY305	PHY	PHYSICS OF UNIVERSE
PHY305A	PHY	PHYSICS OF UNIVERSE
PHY306	PHY	ORDER AND CHAOS IN NATURE
PHY306A	PHY	ORDER AND CHAOS IN NATURE
PHY307	PHY	MODERN OPTICS (ITS PHYSICS & ENGINEERING)
PHY307A	PHY	MODERN OPTICS
PHY311	PHY	PHYSICS OF NON-EQUILIBRIUM PHENOMENA
PHY311A	PHY	PHYSICS OF NON-EQUILIBRIUM PHENOMENA
PHY312	PHY	QUANTUM PROCESSES IN LOW DIMENSIONAL SEMICONDUCTORS
PHY312A	PHY	QUANTUM PROCESSES IN LOW DIMENSIONAL SEMICONDUCTORS
PHY314	PHY	NATURAL NANO MACHINES
PHY315	PHY	MODERN PHYSICS LABORATORY
PHY315A	PHY	MODERN PHYSICS LABORATORY
PHY399A	PHY	TECHNICAL COMMUNICATION
PHY400	PHY	INTRODUCTION TO THE DEPARTMENT
PHY400A	PHY	INTRODUCTION TO THE DEPARTMENT
PHY401	PHY	CLASSICAL MECHANICS
PHY401A	PHY	CLASSICAL MECHANICS I
PHY402	PHY	CLASSICAL MECHANICS II
PHY402A	PHY	CLASSICAL MECHANICS II
PHY407	PHY	SPECIAL & GENERAL RELATIVITY
PHY407A	PHY	SPECIAL & GENERAL RELATIVITY
PHY412	PHY	STATISTICAL MECHANICS
PHY412A	PHY	STATISTICAL MECHANICS
PHY421	PHY	MATHEMATICAL METHODS I
PHY421A	PHY	MATHEMATICAL METHODS I
PHY422	PHY	MATHEMATICAL METHODS II
PHY422A	PHY	MATHEMATICAL METHODS II
PHY431	PHY	QUANTUM MECHANICS I
PHY431A	PHY	QUANTUM MECHANICS I
PHY432	PHY	QUANTUM MECHANICS II
PHY432A	PHY	QUANTUM MECHANICS II
PHY441	PHY	ELECTRONICS
PHY441A	PHY	ELECTRONICS
PHY461	PHY	EXPERIMENTAL PHYSICS I
PHY461A	PHY	EXPERIMENTAL PHYSICS I
PHY462	PHY	EXPERIMENTAL PHYSICS II
PHY462A	PHY	EXPERIMENTAL PHYSICS II
PHY473	PHY	COMPUTATIONAL PHYSICS
PHY473A	PHY	COMPUTATIONAL PHYSICS
PHY500	PHY	M SC REVIEW PROJECT I
PHY500A	PHY	M SC REVIEW PROJECT I
PHY501	PHY	M SC REVIEW PROJECT II
PHY501A	PHY	M SC REVIEW PROJECT II
PHY502	PHY	M.SC. REVIEW PROJECT III
PHY502A	PHY	M.SC. REVIEW PROJECT III
PHY502N	PHY	M SC EXPERIMENTAL PROJECT III
PHY524	PHY	INTRODUCTION TO ATOMIC AND NUCLEAR PHYSICS
PHY524A	PHY	INTRODUCTION TO ATOMIC AND NUCLEAR PHYSICS
PHY526A	PHY	NUCLEAR AND PARTICLE PHYSICS

PHY543	PHY	CONDENSED MATTER PHYSICS I
PHY543A	PHY	CONDENSED MATTER PHYSICS I
PHY552	PHY	CLASSICAL ELECTRODYNAMICS I
PHY552A	PHY	CLASSICAL ELECTRODYNAMICS I
PHY553	PHY	CLASSICAL ELECTRODYNAMICS II
PHY553A	PHY	CLASSICAL ELECTRODYNAMICS II
PHY553B	PHY	CLASSICAL ELECTRODYNAMICS II
PHY555A	PHY	BACHLOR OF SCIENCE PROJECT -1
PHY556A	PHY	BACHLOR OF SCIENCE PROJECT -II
PHY557A	PHY	BATCHLOR OF SCIENCE PROJECT -III
PHY558A	PHY	BATCHLOR OF SCIENCE PROJECT -IV
PHY563	PHY	M.SC. PROJECT I
PHY563A	PHY	M.SC. PROJECT I
PHY565	PHY	M.SC. PROJECT II
PHY565A	PHY	M.SC. PROJECT II
PHY566	PHY	M.SC. PROJECT III
PHY566A	PHY	M.SC. PROJECT III
PHY568	PHY	M.SC. PROJECT IV
PHY568A	PHY	M.SC. PROJECT IV
PHY570	PHY	THEORETICAL PROJECT I
PHY571	PHY	THEORETICAL PROJECT II
PHY590	PHY	SPECIAL TOPICS IN PHYSICS
PHY590A	PHY	SPECIAL TOPICS IN PHYSICS
PHY590B	PHY	SPECIAL TOPICS IN PHYSICS: ADVANCED FIELD THEORY
PHY598	PHY	M.SC. RESEARCH PROJECT I
PHY598A	PHY	M.SC. RESEARCH PROJECT I
PHY599	PHY	M.SC.RESEARCH PROJECT II
PHY599A	PHY	M.SC.RESEARCH PROJECT II
PSO201A	PHY	QUANTUM PHYSICS
PSO314A	PHY	CLASSICAL MECHANICS
PSO315A	PHY	SPECIAL & GENERAL RELATIVITY
SE301	PHY	QUANTUM PHYSICS
SE305	PHY	PHYSICS OF NON-EQUILIBRIUM PHENOMENA
SE305A	PHY	PHYSICS OF NON-EQUILIBRIUM PHENOMENA
SE307	PHY	QUANTUM PROCESSES IN LOW DIMENSIONAL SEMICONDUCTORS
SE308	PHY	ENERGY
SE309	PHY	PRINCIPLES OF LASERS & THEIR APPLICATIONS
SE311	PHY	PHYSICS OF UNIVERSE
SE312	PHY	ORDER AND CHAOS
SE312A	PHY	ORDER AND CHAOS
SE313	PHY	MODERN OPTICS
SE314	PHY	CLASSICAL MECHANICS
SE314A	PHY	CLASSICAL MECHANICS
SE315	PHY	SPECIAL & GENERAL RELATIVITY
SE315A	PHY	SPECIAL & GENERAL RELATIVITY
SE316	PHY	STATISTICAL MECHANICS
SE316A	PHY	STATISTICAL MECHANICS
SE317	PHY	INTRODUCTION TO ATOMIC & NUCLEAR PHYSICS
SE321	PHY	THERMAL PHYSICS
SE322	PHY	NATURAL NANO MACHINES
PE101	SPEC	MORNING EXERCISE
PE101A	SPEC	MORNING EXERCISE
PE102	SPEC	EVENING EXERCISE
PE102A	SPEC	EVENING EXERCISE
<b>Course Code</b>	<b>Department</b>	<b>Course Title</b>
AE601	AE	INTRO TO AEROSPACE ENGG.
AE601A	AE	INTRO TO AEROSPACE ENGG.
AE602	AE	MATHEMATICS FOR AEROSPACE ENGG.
AE602A	AE	MATHEMATICS FOR AEROSPACE ENGG.
AE603	AE	INTRODUCTION TO SCIENTIFIC COMPUTING
AE603A	AE	INTRODUCTION TO SCIENTIFIC COMPUTING

AE604	AE	COMPUTATIONAL FLUID MECHANICS
AE604A	AE	COMPUTATIONAL FLUID MECHANICS
AE605	AE	ADVANCED COMPUTATIONAL FLUID MECHANICS
AE605A	AE	ADVANCED COMPUTATIONAL FLUID MECHANICS
AE606A	AE	UNSTEADY GAS DYNAMICS
AE608	AE	HEAT TRANSFER IN AEROSPACE APPLICATIONS
AE608A	AE	HEAT TRANSFER IN AEROSPACE APPLICATIONS
AE609A	AE	MICRO AND NANOFLOWS
AE610	AE	AERODYNAMICS-I
AE610A	AE	AERODYNAMICS-I
AE611	AE	MEASUREMENTS IN FLUID MECHANICS
AE611A	AE	MEASUREMENTS IN FLUID MECHANICS
AE612	AE	AERODYNAMICS II
AE612A	AE	AERODYNAMICS II
AE614	AE	VISCOUS FLOWS
AE614A	AE	VISCOUS FLOWS
AE615	AE	ADVANCED COMPUTATIONAL METHODS IN CFD
AE615A	AE	ADVANCED COMPUTATIONAL METHODS IN CFD
AE617	AE	BOUNDARY LAYER INSTABILITY AND TRANSITION
AE617A	AE	BOUNDARY LAYER INSTABILITY AND TRANSITION
AE618	AE	FINITE ELEMENT METHODS FOR FLUID DYNAMICS
AE618A	AE	FINITE ELEMENT METHODS FOR FLUID DYNAMICS
AE621	AE	TURBULENCE
AE621A	AE	TURBULENCE
AE622	AE	COMPUTATIONAL FLUID DYNAMICS
AE622A	AE	COMPUTATIONAL FLUID DYNAMICS
AE625	AE	TRANSITION AND TURBULENCE
AE625A	AE	TRANSITION AND TURBULENCE
AE628	AE	CONTINUUM HYPERSONIC AERODYNAMICS
AE628A	AE	CONTINUUM HYPERSONIC AERODYNAMICS
AE629	AE	ADVANCES IN WIND ENERGY CONVERSION
AE629A	AE	ADVANCES IN WIND ENERGY CONVERSION
AE630A	AE	AUTONOMOUS UNMANNED AERIAL SYSTEMS
AE633A	AE	MISSILES GUIDANCE AND DYNAMICS
AE640	AE	AUTONOMOUS NAVIGATION
AE640A	AE	AUTONOMOUS NAVIGATION
AE641	AE	SPACE DYNAMICS-I
AE641A	AE	SPACE DYNAMICS-I
AE645	AE	SPACECRAFT GUIDANCE NAVIGATION AND CONTROL
AE645A	AE	SPACECRAFT GUIDANCE NAVIGATION AND CONTROL
AE647	AE	FLIGHT DYNAMICS
AE647A	AE	FLIGHT DYNAMICS
AE648	AE	FLIGHT STABILITY AND CONTROL
AE648A	AE	FLIGHT STABILITY AND CONTROL
AE649	AE	AUTOMATIC CONTROL OF AIRCRAFT ROCKETS AND SPACECRAFT
AE649A	AE	AUTOMATIC CONTROL OF AIRCRAFT ROCKETS AND SPACECRAFT
AE650	AE	FUNDAMENTAL OF AEROSPACE PROPULSION - I
AE650A	AE	FUNDAMENTAL OF AEROSPACE PROPULSION - I
AE652	AE	AIRCRAFT PROPULSION
AE652A	AE	AIRCRAFT PROPULSION
AE653	AE	THERMAL TURBOMACHINERY
AE653A	AE	THERMAL TURBOMACHINERY
AE654	AE	COMBUSTION PROBLEMS IN ROCKET PROPULSION
AE654A	AE	COMBUSTION PROBLEMS IN ROCKET PROPULSION
AE657	AE	AIRBREATHING MISSILE PROPULSION
AE657A	AE	AIRBREATHING MISSILE PROPULSION
AE658	AE	NUMERICAL MODELING OF CHEMICALLY REACTING FLOWS
AE658A	AE	NUMERICAL MODELING OF CHEMICALLY REACTING FLOWS
AE660	AE	PRELIMINARY DESIGN OF HELICOPTER
AE660A	AE	PRELIMINARY DESIGN OF HELICOPTER
AE662	AE	ROCKET ENGINE DESIGN

AE662A	AE	ROCKET ENGINE DESIGN
AE663A	AE	FUNDAMENTALS OF COMBUSTION
AE664	AE	APPLIED COMPRESSIBLE FLOWS
AE664A	AE	APPLIED COMPRESSIBLE FLOWS
AE665	AE	FINITE VOLUME METHODS IN HEAT MASS & MOMENTUM TRANSFER
AE665A	AE	FINITE VOLUME METHODS IN HEAT MASS & MOMENTUM TRANSFER
AE666A	AE	COMBUSTION DIAGNOSTICS
AE667A	AE	NANO PARTICLE AEROSOL DYNAMICS
AE670	AE	AEROSPACE STRUCTURAL ANALYSIS - I
AE670A	AE	AEROSPACE STRUCTURAL ANALYSIS - I
AE672	AE	SOLID MECHANICS
AE672A	AE	SOLID MECHANICS
AE673	AE	ROCKET AND MISSILE STRUCTURES
AE673A	AE	ROCKET AND MISSILE STRUCTURES
AE675	AE	INTRODUCTION TO FINITE ELEMENT METHODS
AE675A	AE	INTRODUCTION TO FINITE ELEMENT METHODS
AE676	AE	AEROELASTICITY
AE676A	AE	AEROELASTICITY
AE678	AE	THEORY OF VIBRATIONS
AE678A	AE	THEORY OF VIBRATIONS
AE681	AE	COMPOSITE MATERIALS
AE681A	AE	COMPOSITE MATERIALS
AE682A	AE	ANALYSIS & COMPOSITE STRUCTURES
AE683	AE	RANDOM VIBRATIONS
AE683A	AE	RANDOM VIBRATIONS
AE684	AE	AIRCRAFT MATERIALS AND PROCESSES
AE684A	AE	AIRCRAFT MATERIALS AND PROCESSES
AE685	AE	DETERMINISTIC & RANDOM VIBRATION
AE685A	AE	DETERMINISTIC & RANDOM VIBRATION
AE686	AE	HELICOPTER THEORY : DYNAMICS AND AEROELASTICITY
AE686A	AE	HELICOPTER THEORY : DYNAMICS AND AEROELASTICITY
AE687	AE	AEROSPACE STRUC ANALYSIS II
AE687A	AE	AEROSPACE STRUC ANALYSIS II
AE688	AE	DYNAMICS AND VIBRATION
AE688A	AE	DYNAMICS AND VIBRATION
AE689	AE	INTRODUCTION TO THE THEORY OF SMART STRUCTURES
AE689A	AE	INTRODUCTION TO THE THEORY OF SMART STRUCTURES
AE690	AE	HIGH TEMPERATURE GAS DYNAMICS
AE690A	AE	HIGH TEMPERATURE GAS DYNAMICS
AE692	AE	MECHANICS OF HIGHLY DEFORMABLE STRUCTURES
AE692A	AE	MECHANICS OF HIGHLY DEFORMABLE STRUCTURES
AE693A	AE	AIRCRAFT STRUCTURAL INTEGRITY
AE694A	AE	ACOUSTICS IN FLUIDS
AE696	AE	INSTRUMENTATION, MEASUREMENTS AND EXPERIMENTS IN FLUIDS
AE696A	AE	INSTRUMENTATION, MEASUREMENTS AND EXPERIMENTS IN FLUIDS
AE698	AE	INTRO TO VIRTUAL INSTRUMENTATION
AE698A	AE	INTRO TO VIRTUAL INSTRUMENTATION
AE698B	AE	MECHANICS OF HIGHLY DEFORMABLE STRUCTURES
AE699	AE	M TECH THESIS
AE699.	AE	M TECH THESIS (FOR DUAL DEGREE ONLY)
AE701	AE	NONLINEAR FINITE ELEMENT METHOD
AE701A	AE	NONLINEAR FINITE ELEMENT METHOD
AE704	AE	DEFORMATION AND FRACTURE
AE704A	AE	DEFORMATION AND FRACTURE
AE708	AE	OPTICAL METHODS IN SOLID MECHANICS
AE708A	AE	OPTICAL METHODS IN SOLID MECHANICS
AE747	AE	MOLECULAR GAS DYNAMICS
AE747A	AE	MOLECULAR GAS DYNAMICS
AE751	AE	FUNDAMENTALS OF LIQUID ATOMIZATION
AE751A	AE	FUNDAMENTALS OF LIQUID ATOMIZATION
AE752	AE	PRINCIPLES OF ACOUSTICS



AE752A	AE	PRINCIPLES OF ACOUSTICSV
AE753	AE	THEORY OF COMBUSTION
AE753A	AE	THEORY OF COMBUSTION
AE754	AE	TURBULENT COMBUSTION
AE754A	AE	TURBULENT COMBUSTION
AE777	AE	OPTIMAL SPACE FLIGHT CONTROL
AE777A	AE	OPTIMAL SPACE FLIGHT CONTROL
AE778A	AE	NONLINEAR AND ADAPTIVE CONTROL
AE899	AE	MS - RESEARCH THESIS
BSE601	BSBE	PROFESSIONAL COMMUNICATION
BSE601A	BSBE	PROFESSIONAL COMMUNICATION
BSE602	BSBE	LABORATORY METHODS
BSE602A	BSBE	LABORATORY METHODS
BSE611	BSBE	MODERN INSTRUMENTAL METHODS IN BIOLOGICAL SCIENCES
BSE611A	BSBE	MODERN INSTRUMENTAL METHODS IN BIOLOGICAL SCIENCES
BSE612	BSBE	BIOCHEMICAL ENGINEERING
BSE612A	BSBE	BIOCHEMICAL ENGINEERING
BSE613	BSBE	BIOMATERIALS
BSE613A	BSBE	BIOMATERIALS
BSE614	BSBE	TISSUE ENGINEERING
BSE614A	BSBE	TISSUE ENGINEERING
BSE615	BSBE	BIOELECTRICITY
BSE615A	BSBE	BIOELECTRICITY
BSE616	BSBE	BIOPHARMACEUTICALS
BSE616A	BSBE	BIOPHARMACEUTICALS
BSE617	BSBE	DRUG DESIGN AND METABOLISM
BSE617A	BSBE	DRUG DESIGN AND METABOLISM
BSE621	BSBE	MODERN INSTRUMENTAL METHODS IN BIOLOGICAL SCIENCES
BSE621A	BSBE	MODERN INSTRUMENTAL METHODS IN BIOLOGICAL SCIENCES
BSE629	BSBE	NEUROBIOLOGY
BSE629A	BSBE	NEUROBIOLOGY
BSE630	BSBE	DEVELOPMENTAL BIOLOGY I
BSE630A	BSBE	DEVELOPMENTAL BIOLOGY I
BSE631	BSBE	BIOCHEMISTRY STRUCTURAL BIOLOGY
BSE631A	BSBE	BIOCHEMISTRY STRUCTURAL BIOLOGY
BSE632	BSBE	STRUCTURAL BASIC OF PROTEIN FUNCTION
BSE632A	BSBE	STRUCTURAL BASIC OF PROTEIN FUNCTION
BSE633	BSBE	BIOINFORMATICS AND COMPUTATIONAL BIOLOGY
BSE633A	BSBE	BIOINFORMATICS AND COMPUTATIONAL BIOLOGY
BSE634	BSBE	FUNCTIONAL GENOMICS
BSE634A	BSBE	FUNCTIONAL GENOMICS
BSE636	BSBE	HUMAN MOLECULAR GENETICS
BSE636A	BSBE	HUMAN MOLECULAR GENETICS
BSE638	BSBE	STRUCTURAL BASIS OF PROTEIN FUNCTION
BSE640	BSBE	BIOMATERIALS
BSE640A	BSBE	BIOMATERIALS
BSE641	BSBE	BIOLOGY LAB
BSE641A	BSBE	BIOLOGY LABORATORY
BSE651	BSBE	CELLULAR MOLECULER BIOLOGY
BSE651A	BSBE	CELLULAR MOLECULER BIOLOGY
BSE652	BSBE	DEVELOPMENTAL BIOLOGY
BSE652A	BSBE	DEVELOPMENTAL BIOLOGY
BSE653	BSBE	FUNCTIONAL GENOMICS
BSE653A	BSBE	FUNCTIONAL GENOMICS
BSE653B	BSBE	FUNCTIONAL GENOMICS
BSE654	BSBE	HUMAN MOLECULAR GENETICS
BSE654A	BSBE	HUMAN MOLECULAR GENETICS
BSE655	BSBE	PHYSIOLOGY
BSE655A	BSBE	PHYSIOLOGY
BSE656	BSBE	NEUROBIOLOGY
BSE656A	BSBE	NEUROBIOLOGY

BSE671	BSBE	RESEARCH METHODS IN BIOLOGICAL SCIENCES
BSE671A	BSBE	RESEARCH METHODS IN BIOLOGICAL SCIENCES
BSE680	BSBE	BIOPHARMACEUTICALS
BSE680A	BSBE	BIOPHARMACEUTICALS
BSE681	BSBE	BIOLOGY LABORATORY
BSE681A	BSBE	BIOLOGY LABORATORY
BSE682	BSBE	SPECIAL TOPICS IN BIOLOGICAL SCIENCES AND BIOENGINEERING
BSE682A	BSBE	SPECIAL TOPICS IN BIOLOGICAL SCIENCES AND BIOENGINEERING
BSE699	BSBE	M.TECH THESIS
BSE699.	BSBE	M TECH THESIS (FOR DUAL DEGREE ONLY)
BSE701	BSBE	SEMINAR
BSE701A	BSBE	SEMINAR
BSE702	BSBE	SEMINAR
BSE702A	BSBE	SEMINAR
CE601	CE	STATISTICAL ANALYSIS FOR CIVIL ENGINEERS
CE601A	CE	STATISTICAL ANALYSIS FOR CIVIL ENGINEERS
CE602	CE	ADVANCED MATHEMATICS FOR CIVIL ENGINEERS
CE602A	CE	ADVANCED MATHEMATICS FOR CIVIL ENGINEERS
CE602N	CE	ADVANCED MATHEMATICS FOR CIVIL ENGINEERS
CE603A	CE	MATHEMATICS FOR CIVIL ENGINEERS
CE604A	CE	NUMERICAL METHODS FOR CIVIL ENGINEERS
CE605A	CE	PROBABILITY AND STATISTICS FOR CIVIL ENGINEERS
CE606A	CE	OPTIMIZATION METHODS FOR CIVIL ENGINEERS
CE610	CE	ADVANCED HYDROLOGY
CE610A	CE	ADVANCED HYDROLOGY
CE611A	CE	ADVANCED HYDRAULICS
CE611N	CE	ENGINEERING HYDRAULICS
CE612	CE	FLUID MECHANICS LABORATORY
CE612A	CE	FLUID MECHANICS LABORATORY
CE612N	CE	FLUID MECHANICS LABORATORY
CE613	CE	COMPUTER METHODS IN HYDRAULICS AND HYDROLOGY
CE613A	CE	COMPUTER METHODS IN HYDRAULICS AND HYDROLOGY
CE614	CE	STOCHASTIC HYDROLOGY
CE614A	CE	STOCHASTIC HYDROLOGY
CE615	CE	INTRODUCTION AI TECHNIQUES
CE615A	CE	INTRODUCTION Ai TECHNIQUES
CE616	CE	SEDIMENT TRANSPORTATION
CE616A	CE	SEDIMENT TRANSPORTATION
CE617A	CE	ADVANCED MODELING OF SUBSURFACE FLOW AND TRANSPORT
CE618A	CE	VADOSE ZONE HYDROLOGY
CE619	CE	ECOHYDROLOGY
CE619A	CE	ECOHYDROLOGY
CE620	CE	STRUCTURAL DYNAMICS
CE620A	CE	STRUCTURAL DYNAMICS
CE621	CE	Engineering Mechanics
CE621A	CE	ENGINEERING MECHANICS
CE621N	CE	ENGINEERING MECHANICS
CE622	CE	Stability of Structures
CE622A	CE	STABILITY OF STRUCTURES
CE622N	CE	STABILITY OF STRUCTURES
CE623	CE	EXPERIMENTAL METHODS IN STRUCTURL ENGINEERING
CE623A	CE	EXPERIMENTAL METHODS IN STRUCTURL ENGINEERING
CE623N	CE	EXPERIMENTAL METHODS IN STRUCTURAL ENGINEERNIG
CE624A	CE	NONLINEAR STRUCTURAL ANALYSIS
CE625	CE	MASONARY STRUCTURES
CE625A	CE	MASONARY STRUCTURES
CE627	CE	ADVANCED DESIGN OF STEEL STRUCTURES
CE628	CE	DURABILITY OF CONCRETE STRUCTURES
CE628A	CE	DURABILITY OF CONCRETE STRUCTURES
CE629	CE	EARTHQUAKE ANALYSIS AND DESIGN OF STRUCTURES
CE629A	CE	EARTHQUAKE ANALYSIS AND DESIGN OF STRUCTURES

CE630	CE	ROCK MECHANICS
CE630A	CE	ROCK MECHANICS
CE631	CE	ADVANCED GEOTECHNICAL ENGINEERING
CE631A	CE	ADVANCED GEOTECHNICAL ENGINEERING
CE631N	CE	DISCONTINUED
CE632	CE	FOUNDATION ANALYSIS AND DESIGN
CE632A	CE	FOUNDATION ANALYSIS AND DESIGN
CE632N	CE	FOUNDATION ANALYSIS AND DESIGN
CE633	CE	REINFORCED EARTH STRUCTURES
CE633A	CE	REINFORCED EARTH STRUCTURES
CE634	CE	GROUND IMPROVEMENT TECHNIQUES
CE634A	CE	GROUND IMPROVEMENT TECHNIQUES
CE634N	CE	GROUND IMPROVEMENT TECHNIQUES
CE635	CE	FOUNDATION DYNAMICS
CE635A	CE	FOUNDATION DYNAMICS
CE636	CE	GEOTECHNICAL EARTHQUAKE ENGINEERING
CE636A	CE	GEOTECHNICAL EARTHQUAKE ENGINEERING
CE637	CE	CONSTITUTIVE MODELING OF FRICTIONAL MATERIALS
CE637A	CE	CONSTITUTIVE MODELING OF FRICTIONAL MATERIALS
CE638	CE	GEOTECHNICAL MEASUREMENTS AND EXPLORATION
CE638A	CE	GEOTECHNICAL MEASUREMENTS
CE638N	CE	GEOTECHNICAL INVESTIGATIONS FOR CIVIL ENGINEERING PROJECTS
CE639	CE	ANALYTICAL AND NUMERICAL METHODS IN GEOMECHANICS
CE639A	CE	ANALYTICAL AND NUMERICAL METHODS IN GEOMECHANICS
CE640A	CE	INFRASTRUCTURE ASSET MANAGEMENT
CE641A	CE	PROJECT MANAGEMENT
CE642	CE	GEOLOGICAL HAZARDS
CE642A	CE	LABORATORY COURSE IN INFRASTRUCTURE ENGINEERING AND MANAGEMENT
CE643A	CE	DISCONTINUED
CE643B	CE	INFRASTRUCTURE FINANCING
CE645	CE	PHOTOGEOLOGY IN TERRAIN EVALUATION
CE645A	CE	BASIC QUALITY AND SAFETY MANAGEMENT IN CONSTRUCTION
CE646	CE	GLOBAL CLIMATE CHANGE
CE647	CE	PALEOSEISMOLOGY AND TECTONIC GEOMORPHOLOGY
CE647A	CE	CONSTRUCTION METHODS
CE648A	CE	REPAIR AND REHABILITATION OF CONCRETE STRUCTURES
CE649	CE	ISOTOPE GEOCHEMISTRY AND APPLICATIONS
CE651	CE	SPECIAL CONCRETES
CE651A	CE	SPECIAL CONCRETES
CE652	CE	IGNEOUS AND METAMORPHIC PETROLOGY
CE661	CE	CHARACTERIZATION AND USE OF AGGREGATES IN PAVEMENT SYSTEMS
CE661A	CE	CHARACTERIZATION AND USE OF AGGREGATES IN PAVEMENT SYSTEMS
CE664A	CE	PHYSICO-CHEMICAL PRINCIPLES AND PROCESS
CE665A	CE	ECOLOGICAL AND BIOLOGICAL PRINCIPLES AND PROCESS
CE666A	CE	AIR POLLUTION AND ITS CONTROL
CE667A	CE	PRINCIPLES OF ENVIROMENTAL MANAGEMENT
CE668A	CE	ENVIRONMENTAL QUALITY & POLLUTION MONITORING TECHNIQUES
CE669A	CE	ATMOSPHERIC PHYSICS AND CHEMISTRY
CE671A	CE	INTRODUCTION TO REMOTE SENSING
CE671N	CE	INTRODUCTION TO REMOTE SENSING
CE672	CE	MACHINE PROCESSING OF REMOTELY SENSED DATA
CE672A	CE	MACHINE PROCESSING OF REMOTELY SENSED DATA
CE673A	CE	INSTRUMENTATION, LABORATORY AND FIELD PRACTICES IN GEOINFORMATICS
CE673N	CE	INSTRUMENTATION, LABORATORY AND FIELD PRACTICES IN GEOINFORMATICS
CE674	CE	GLOBAL POSITIONING SYSTEMS (GNSS)
CE674A	CE	GLOBAL NAVIGATION SATELLITE SYSTEMS(GNSS)
CE676	CE	LASER SCANNING AND PHOTOGRAMMETRY
CE676A	CE	LASER SCANNING AND PHOTOGRAMMETRY
CE677A	CE	GEOSPATIAL DATA PROCESSING
CE677N	CE	GEOSPATIAL DATA PROCESSING
CE678	CE	INTRODUCTION TO GEODESY

CE678A	CE	INTRODUCTION TO GEODESY
CE681A	CE	CHARACTERIZATION OF PAVEMENT MATERIALS
CE682	CE	ANALYSIS AND DESIGN OF TRANSPORTATION INFRASTRUCTURE
CE682A	CE	ANALYSIS OF PAVEMENT STRUCTURES
CE682N	CE	ANALYSIS AND DESIGN OF TRANSPORTATION INFRASTRUCTURE
CE683	CE	TRAFFIC ENGINEERING
CE683A	CE	TRAFFIC ENGINEERING
CE684	CE	URBAN TRANSPORTATIONS SYSTEMS
CE684B	CE	PAVEMENT DESIGN
CE685A	CE	URBAN TRANSPORTATION
CE686A	CE	TRANSPORTATION ECONOMICS
CE688	CE	AIRPORT SYSTEMS PLANNING AND DESIGN
CE688A	CE	AIRPORT SYSTEMS PLANNING AND DESIGN
CE689A	CE	CHARACTERIZATION OF PAVEMENT MATERIALS AND ANALYSIS OF PAVEMENTS
CE689N	CE	CHARACTERIZATION OF PAVEMENT MATERIALS AND ANALYSIS OF PAVEMENTS
CE690	CE	LABORATORY COURSE IN TRANSPORTATION ENGINEERING
CE690A	CE	DISCOUNTINUED
CE690N	CE	LABORATORY COURSE IN TRANSPORTATION ENGINEERING
CE697A	CE	M TECH SEMINAR I
CE698	CE	TECHNICAL PRESENTATION
CE698A	CE	M.TECH SEMINAR 2
CE699	CE	M. TECH THESIS
CE699.	CE	M.TECH THESIS (FOR DUAL DEGREE ONLY)
CE701	CE	UNSATURATED SOIL MECHANICS
CE701A	CE	UNSATURATED SOIL MECHANICS
CE717	CE	GROUNDWATER HYDROLOGY & POLLUTANT TRANSPORT
CE721A	CE	RANDOM VIBRATIONS
CE723	CE	FINITE ELEMENT METHODS FOR CIVIL ENGINEERING APPLICATIONS
CE723A	CE	FINITE ELEMENT METHODS IN CIVIL ENGINEERING
CE723N	CE	FINITE ELEMENT METHODS FOR CIVIL ENGINEERING APPLICATIONS
CE724A	CE	RELIABILITY ANALYSIS & RELIABILITY BASED DESIGN OF STRUCTURE
CE725A	CE	VIBRATION BASED STRUCTURAL HEALTH MONITORING FOR CE APPLICATIONS
CE725B	CE	VIBRATION BASED STRUCTURAL HEALTH MONITORING FOR CE APPLICATIONS
CE731	CE	RISK & RELIABILITY IN GEOTECHNICAL ENGINEERING
CE731A	CE	RISK & RELIABILITY IN GEOTECHNICAL ENGINEERING
CE732A	CE	UNSATURATED SOIL MECHANICS
CE733	CE	GEOENVIRONMENTAL DESIGN ASPECTS OF SOLID WASTE MANAGEMENT
CE733A	CE	GEOENVIRONMENTAL DESIGN ASPECTS OF SOLID WASTE MANAGEMENT
CE734A	CE	PLASTIC EQUILIBRIUM IN SOILS
CE760A	CE	SURFACE WATER QUALITY MODELING
CE761B	CE	SUBSURFACE CONTAMINANT FATE AND TRANSPORT
CE762B	CE	ATMOSPHERIC MODELING
CE763A	CE	SOLID AND HAZARDOUS WASTE MANAGEMENT
CE764A	CE	ENVIRONMENT TOXICOLOGY AND RISK ASSESSMENT
CE765B	CE	INDUSTRIAL WASTE MANAGEMENT
CE766A	CE	AGRICULTURAL SUSTAINABILITY AND CLIMATE CHANGE
CE767B	CE	SOLIDE-WATER INTERFACIAL PROCESSES
CE780A	CE	LABORATORY COURSE IN TRANSPORTATION ENGINEERING
CE791A	CE	LITERATURE SEARCH AND REVIEW
CE792A	CE	SCIENTIFIC WRITING SKILLS
CE792B	CE	SCIENTIFIC WRITING SKILLS
CE793A	CE	SCIENTIFIC PRASENTATION SKILLS
CE794A	CE	SCIENTIFIC DATA ANALYSIS, PRESENTATION AND INTERPRETATION
CE794B	CE	SCIENTIFIC DATA ANALYSIS PRESENTATION AND INTERPRETATION
CE797	CE	PHD SEMINAR I
CE797A	CE	PHD SEMINAR I
CE798	CE	PHD SEMINAR II
CE798A	CE	PHD SEMINAR II
CE897A	CE	MS RESEARCH SEMINAR I
CE898A	CE	MS RESEARCH SEMINAR II
CE899	CE	MS - RESEARCH THESIS

EEM615A	CE	AGRICULTURE, ENVIRONMENT AND CLIMATECHANGE
ES641A	CE	ENVIRONMENTAL GEOLOGY
CGS600A	CGS	COMPUTATIONAL TOOLS FOR COGNITIVE SCIENCE
CGS601A	CGS	FOUNDATIONS OF COGNITIVE SCIENCE
CGS603A	CGS	METHODS AND TOOLS IN COGNITIVE SCIENCE
CGS700A	CGS	SEMINAR ON COGNITIVE SCIENCE
CGS702A	CGS	PROJECT
CHE600	CHE	RESEARCH METHODS & SKILLS
CHE600A	CHE	RESEARCH METHODS & SKILLS
CHE601	CHE	FUNDAMENTALS OF CHEMICAL ENGINEERING -I
CHE601A	CHE	FUNDAMENTALS OF CHEMICAL ENGINEERING -I
CHE602	CHE	FUNDAMENTALS OF CHEMICAL ENGINEERING -II
CHE602A	CHE	FUNDAMENTALS OF CHEMICAL ENGINEERING -II
CHE603A	CHE	MATHEMATICAL MODEL IN BIOLOGY
CHE611	CHE	TRANSPORT PHENOMENA
CHE611A	CHE	TRANSPORT PHENOMENA
CHE612	CHE	SCIENCE & TECHNOLOGY OF DRUGS
CHE613	CHE	THE STRUCTURE & RHEOLOGY OF COMPLEX FLUIDS
CHE613A	CHE	THE STRUCTURE & RHEOLOGY OF COMPLEX FLUIDS
CHE614	CHE	INTRODUCTION TO HYDRODYNAMIC STABILITY
CHE614A	CHE	INTRODUCTION TO HYDRODYNAMIC STABILITY
CHE616A	CHE	INTRODUCTION TO GRANULAR MECHANICS
CHE617	CHE	NUCLEAR CHEMICAL ENGINEERING
CHE618	CHE	NEW SEPARATION PROCESSES
CHE618A	CHE	NEW SEPARATION PROCESSES
CHE621	CHE	THERMODYNAMICS
CHE621A	CHE	THERMODYNAMICS
CHE622	CHE	INTRODUCTION TO MOLECULAR SIMULATIONS
CHE622A	CHE	INTRODUCTION TO MOLECULAR SIMULATIONS
CHE623	CHE	THERMODYNAMICS OF FLUIDS AND FLUID MIXTURES
CHE623A	CHE	THERMODYNAMICS OF FLUIDS AND FLUID MIXTURES
CHE625A	CHE	INTERMOLECULAR AND SURFACE FORCES
CHE626A	CHE	PRACTICAL INTRO. TO QUANTUM MECHANICAL METHODS FOR SCIENTISTS & ENGINEERS
CHE631	CHE	CHEMICAL REACTION ENGINEERING
CHE631A	CHE	CHEMICAL REACTION ENGINEERING
CHE632	CHE	ANALYSIS AND DESIGN OF MULTIPHASE REACTORS
CHE633	CHE	PRINCIPLES OF HETEROGENEOUS CATALYSIS
CHE633A	CHE	PRINCIPLES OF HETEROGENEOUS CATALYSIS
CHE641	CHE	MATHEMATICAL METHODS IN CHEMICAL ENGINEERING
CHE641A	CHE	MATHEMATICAL METHODS IN CHEMICAL ENGINEERING
CHE642	CHE	NUMERICAL METHODS IN CHEMICAL ENGINEERING
CHE642A	CHE	NUMERICAL METHODS IN CHEMICAL ENGINEERING
CHE644	CHE	CFD OF MULTIPHASE REACTORS
CHE645	CHE	MODELLING AND SIMULATION IN CHEMICAL ENGINEERING
CHE646A	CHE	MULTI PHASE TRANSPORT
CHE652	CHE	OPTIMIZATION
CHE652A	CHE	OPTIMIZATION
CHE654	CHE	PROCESS ENGINEERING
CHE659	CHE	PROCESS ENGG. PRINCIPLES IN MICRO. FABRICATION
CHE659A	CHE	PROCESS ENGG. PRINCIPLES IN MICRO. FABRICATION
CHE661	CHE	ANALYTICAL & MATERIAL CHARACTERIZATION TECHNIQUES OF ENGINEERS
CHE661A	CHE	ANALYTICAL & MATERIAL CHARACTERIZATION TECHNIQUES OF ENGINEERS
CHE662	CHE	PETROLEUM REFINERY ENGINEERING
CHE662A	CHE	PETROLEUM REFINERY ENGINEERING
CHE664	CHE	ELECTROCHEMICAL ENERGY CONVERSION AND STORAGE
CHE670	CHE	INTRODUCTION TO POLYMER SCIENCE AND TECHNOLOGY
CHE670A	CHE	INTRODUCTION TO POLIMER SCIENCE & TECHNOLOGY
CHE672	CHE	PRINCIPLES OF POLYMER PROCESSING
CHE672A	CHE	PRINCIPLES OF POLYMER PROCESSING
CHE673	CHE	ENVIROMENTAL POLLUTION CONTROL, DESIGN AND MODELLING
CHE673A	CHE	ENVIROMENTAL POLLUTION CONTROL, DESIGN AND MODELLING

CHE674	CHE	INTRODUCTION TO NANOSCIENCE AND TECHNOLOGY
CHE674A	CHE	INTRODUCTION TO NANOSCIENCE AND TECHNOLOGY
CHE675	CHE	SPECTROSCOPY OF NANOMATERIALS
CHE675A	CHE	SPECTROSCOPY OF NANOMATERIALS
CHE676	CHE	ENGINEERING APPLICATIONS OF RHEOLOGY
CHE676A	CHE	ENGINEERING APPLICATIONS OF RHEOLOGY
CHE677A	CHE	INTRODUCTION TO PHYSICS OF POLYMERIC SYSTEM
CHE678	CHE	MECHANICS OF SOFT MATERIALS
CHE678A	CHE	MECHANICS OF SOFT MATERIALS
CHE679	CHE	SPECIAL TOPICS
CHE679A	CHE	SPECIAL TOPICS
CHE681	CHE	ADVANCED PROCESS DYNAMICS & CONTROL
CHE681A	CHE	ADVANCED PROCESS DYNAMICS & CONTROL
CHE684	CHE	AN INTRODUCTION TO SYSTEMS BIOLOGY
CHE684A	CHE	AN INTRODUCTION TO SYSTEMS BIOLOGY
CHE688	CHE	FUNDM. OF COLLOID & INTERFACE SCI. & TECH.
CHE688A	CHE	FUNDM. OF COLLOID & INTERFACE SCI. & TECH.
CHE699	CHE	M TECH THESIS
CHE699.	CHE	M TECH THESIS (FOR DUAL DEGREE ONLY)
CHE701	CHE	M. TECH. SEMINAR
CHE701A	CHE	M. TECH. SEMINAR
CHE702	CHE	M TECH SEMINAR
CHE702A	CHE	M TECH SEMINAR
CHE801	CHE	PHD SEMINAR
CHE801A	CHE	PHD SEMINAR
CHE802	CHE	PHD SEMINAR
CHE802A	CHE	PHD SEMINAR
CHE899	CHE	MS - RESEARCH THESIS
CGM700.	CHM	PROJECT
CHM600	CHM	MATHEMATICS FOR CHEMISTRY
CHM600A	CHM	MATHEMATICS FOR CHEMISTRY
CHM602	CHM	ADVANCED ORGANIC CHEMISTRY II
CHM602A	CHM	ADVANCED ORGANIC CHEMISTRY II
CHM609	CHM	PRINCIPLES OF ORGANIC CHEMISTRY
CHM609A	CHM	PRINCIPLES OF ORGANIC CHEMISTRY
CHM611	CHM	PHYSICAL ORGANIC CHEMISTRY
CHM611A	CHM	PHYSICAL ORGANIC CHEMISTRY
CHM612	CHM	FRONTIERS IN ORGANIC CHEMISTRY
CHM612A	CHM	FRONTIERS IN ORGANIC CHEMISTRY
CHM614	CHM	ORGANIC PHOTOCHEMISTRY
CHM614A	CHM	ORGANIC PHOTOCHEMISTRY
CHM616	CHM	CHEMISTRY OF ORGANOMETALLIC COMPOUNDS
CHM616A	CHM	CHEMISTRY OF ORGANOMETALLIC COMPOUNDS
CHM621	CHM	CHEMICAL BINDING
CHM621A	CHM	CHEMICAL BINDING
CHM622	CHM	CHEMICAL KINETICS
CHM622A	CHM	CHEMICAL KINETICS
CHM626	CHM	SOLID STATE CHEMISTRY
CHM626A	CHM	SOLID STATE CHEMISTRY
CHM627	CHM	METHODS OF ELECTRONIC STRUCTURE CALCULATION
CHM627A	CHM	METHODS OF ELECTRONIC STRUCTURE CALCULATION
CHM629	CHM	PRINCIPLES OF PHYSICAL CHEMISTRY
CHM629A	CHM	PRINCIPLES OF PHYSICAL CHEMISTRY
CHM631	CHM	APPLICATIONS OF MODERN INSTRUMENTAL METHODS
CHM631A	CHM	APPLICATIONS OF MODERN INSTRUMENTAL METHODS
CHM632	CHM	ENZYME REACTIONS MECHANISM AND ENZYME KINETICS
CHM632A	CHM	ENZYME REACTIONS MECHANISM AND ENZYME KINETICS
CHM636	CHM	PHYSICAL PHOTOCHEMISTRY
CHM636A	CHM	PHYSICAL PHOTOCHEMISTRY
CHM637	CHM	MOLECULAR SPECTROSCOPY
CHM637A	CHM	MOLECULAR SPECTROSCOPY

CHM641	CHM	ADVANCED INORGANIC CHEMISTRY I
CHM645	CHM	ORBITAL INTERACTIONS IN CHEMISTRY
CHM645A	CHM	ORBITAL INTERACTIONS IN CHEMISTRY
CHM646	CHM	BIO-INORGANIC CHEMISTRY
CHM646A	CHM	BIO-INORGANIC CHEMISTRY
CHM648	CHM	THE CHEMISTRY OF METAL-CARBON BOND: STRUCTURE REACTIVITY & APPLICATIONS
CHM648A	CHM	THE CHEMISTRY OF METAL-CARBON BOND: STRUCTURE REACTIVITY & APPLICATIONS
CHM649	CHM	PRINCIPALES OF INORGANIC CHEMISTRY
CHM649A	CHM	PRINCIPALES OF INORGANIC CHEMISTRY
CHM650	CHM	STATISTICAL MECHANICS & ITS APPL. TO CHEMISTRY
CHM650A	CHM	STATISTICAL MECHANICS & ITS APPL. TO CHEMISTRY
CHM651	CHM	CRYSTAL AND MOLECULAR STRUCTURE DETERMINATION
CHM651A	CHM	CRYSTAL AND MOLECULAR STRUCTURE DETERMINATION
CHM654	CHM	SUPRAMOLECULAR CHEMISTRY
CHM654A	CHM	SUPRAMOLECULAR CHEMISTRY
CHM655A	CHM	ORGANOMETALLIC CHEMISTRY AND CATALYSIS
CHM656A	CHM	ORGANIC STRUCTURE DETERMINATION BY SPECTROSCOPIC TECHNIQUES
CHM662	CHM	CHEMISTRY OF NATURAL PRODUCTS
CHM662A	CHM	CHEMISTRY OF NATURAL PRODUCTS
CHM664	CHM	MODERN PHYSICAL METHODS IN CHEMISTRY
CHM664A	CHM	MODERN PHYSICAL METHODS IN CHEMISTRY
CHM668	CHM	ADVANCED MAIN GROUP CHEMISTRY
CHM668A	CHM	ADVANCED MAIN GROUP CHEMISTRY
CHM676	CHM	INTRODUCTION TO BIONANOTECHNOLOGY
CHM676A	CHM	INTRODUCTION TO BIONANOTECHNOLOGY
CHM679	CHM	MOLECULAR REACTION DYNAMICS
CHM679A	CHM	MOLECULAR REACTION DYNAMICS
CHM681	CHM	BASIC BIOLOGICAL CHEMISTRY
CHM681A	CHM	BASIC BIOLOGICAL CHEMISTRY
CHM683	CHM	SURFACES, INTERFACES, THIN FILMS & RELATED ANALYTICAL TECHNIQUES
CHM683A	CHM	SURFACES, INTERFACES, THIN FILMS & RELATED ANALYTICAL TECHNIQUES
CHM684	CHM	COMPUTER PROGRAMMING FOR CHEMISTRY
CHM684A	CHM	COMPUTER PROGRAMMING FOR CHEMISTRY
CHM685	CHM	MOLECULE RADIATION INTERACTION
CHM685A	CHM	MOLECULE RADIATION INTERACTION
CHM687A	CHM	CHEMISTRY OF POLYHEDRAL CLUSTERS & METAL-METAL MULTIPL BONDED COMPOUNDS
CHM689	CHM	NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY
CHM689A	CHM	NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY
CHM691	CHM	FRONTIERS IN INORGANIC CHEMISTRY
CHM691A	CHM	FRONTIERS IN INORGANIC CHEMISTRY
CHM693	CHM	CHEMICAL APPROACHES TO THE SYNTHESIS OF ADVANCED MATERIALS
CHM695	CHM	MOLECULAR MODELLING IN CHEMISTRY
CHM695A	CHM	MOLECULAR MODELLING IN CHEMISTRY
CHM696	CHM	QUANTUM COMPUTING
CHM696A	CHM	QUANTUM COMPUTING
CHM698	CHM	CHEMISTRY OF DRUG DESIGN AND METABOLISM
CHM698A	CHM	CHEMISTRY OF DRUG DESIGN AND METABOLISM
CHM699	CHM	LASERS IN CHEMISTRY AND BIOLOGY
CHM699.	CHM	M TECH THESIS (FOR DUAL DEGREE ONLY)
CHM699A	CHM	LASERS IN CHEMISTRY AND BIOLOGY
CHM700	CHM	PROJECT
CHM700.	CHM	PROJECT
CHM800	CHM	GENERAL SEMINAR
CHM800A	CHM	GENERAL SEMINAR
CHM800B	CHM	GENERAL SEMINAR
CHM801	CHM	GRADUATE SEMINAR
CHM801A	CHM	GRADUATE SEMINAR
CHM801B	CHM	GRADUATE SEMINAR
CS601	CSE	MATHEMATICS FOR COMPUTER SCIENCE
CS601A	CSE	MATHEMATICS FOR COMPUTER SCIENCE
CS602	CSE	DESIGN AND ANALYSIS OF ALGORITHMS

CS602A	CSE	DESIGN AND ANALYSIS OF ALGORITHMS
CS604A	CSE	LINEAR ALGEBRAIC TOOLS IN THEORETICAL COMPUTER SCIENCE
CS615	CSE	SKYLINE QUERIES IN DATABASES
CS615A	CSE	SKYLINE QUERIES IN DATABASES
CS616A	CSE	HUMAN CENTERED COMPUTING
CS618	CSE	INDEXING AND SEARCHING TECHNIQUES IN DATABASE
CS618A	CSE	INDEXING AND SEARCHING TECHNIQUES IN DATABASE
CS619A	CSE	TOPICS IN BIG DATA
CS620	CSE	MICROPROCESSOR DESIGN METHODOLOGY
CS620A	CSE	MODERN MEMORY SYSTEMS
CS622	CSE	ADVANCED COMPUTER ARCHITECTURE
CS622A	CSE	ADVANCED COMPUTER ARCHITECTURE
CS624	CSE	TOPICS IN EMBEDDED SYSTEMS
CS625	CSE	ADVANCED COMPUTER NETWORKS
CS625A	CSE	ADVANCED COMPUTER NETWORKS
CS628	CSE	COMPUTER SYSTEMS SECURITY
CS628A	CSE	COMPUTER SYSTEMS SECURITY
CS629	CSE	PARALLEL EXECUTION OF PROGRAMS
CS630A	CSE	ADV. OPERATING SYSTEMS FOR EMBEDDED SYSTEMS, PERVASIVE COMP. & INT OF THINGS
CS631	CSE	CYBER SECURITY OF CRITICAL INFRASTRUCTURES
CS631A	CSE	CYBER SECURITY OF CRITICAL INFRASTRUCTURES
CS632	CSE	TOPICS IN DISTRIBUTED SYSTEMS
CS632A	CSE	TOPICS IN DISTRIBUTED SYSTEMS
CS633	CSE	PARALLEL COMPUTING
CS634	CSE	MOBILE COMPUTING
CS634A	CSE	MOBILE COMPUTING
CS635	CSE	APPROXIMATION ALGORITHMS
CS635A	CSE	APPROXIMATION ALGORITHMS
CS636A	CSE	ANALYSIS OF CONCURRENT PROGRAMS
CS637A	CSE	EMBEDDED AND CYBER-PHYSICAL SYSTEMS
CS638A	CSE	FORMAL METHODS FOR ROBOTICS AND AUTOMATION
CS639	CSE	PROGRAM ANALYSIS, VERIFICATION AND TESTING
CS639A	CSE	PROGRAM ANALYSIS, VERIFICATION AND TESTING
CS640	CSE	COMPUTATIONAL COMPLEXITY
CS640A	CSE	COMPUTATIONAL COMPLEXITY
CS641	CSE	MODERN CRYPTOLOGY
CS641A	CSE	MODERN CRYPTOLOGY
CS642	CSE	CIRCUIT COMPLEXITY THEORY
CS644	CSE	FINITE AUTOMATA ON INFINITE INPUTS
CS644A	CSE	FINITE AUTOMATA ON INFINITE INPUTS
CS645	CSE	TOPICS IN DESIGN AND ANALYSIS OF ALGORITHMS
CS645A	CSE	TOPICS IN DESIGN AND ANALYSIS OF ALGORITHMS
CS646	CSE	PARALLEL ALGORITHMS
CS646A	CSE	PARALLEL ALGORITHMS
CS647	CSE	ADVANCED TOPICS IN ALGORITHMS & DATA STRUCTURES
CS647A	CSE	ADVANCED TOPICS IN ALGORITHMS & DATA STRUCTURES
CS648	CSE	RANDOMIZED ALGORITHMS
CS648A	CSE	RANDOMIZED ALGORITHMS
CS651	CSE	CONCURRENT DATA STRUCTURES AND ALGORITHMS
CS652A	CSE	COMPUTER AIDED VERIFICATION
CS653	CSE	FUNCTIONAL PROGRAMMING
CS653A	CSE	FUNCTIONAL PROGRAMMING
CS654	CSE	SOFTWARE ARCHITECTURE
CS654A	CSE	SOFTWARE ARCHITECTURE
CS655	CSE	TOPICS IN LINEAR PROGRAMMING
CS655A	CSE	TOPICS IN LINEAR PROGRAMMING
CS656	CSE	ALGORITHMIC GAME THEORY
CS656A	CSE	ALGORITHMIC GAME THEORY
CS657A	CSE	INFORMATION RETRIEVAL
CS663	CSE	COMPUTATIONAL GEOMETRY
CS663A	CSE	COMPUTATIONAL GEOMETRY



CS664A	CSE	IOT SYSTEM DESIGN
CS665A	CSE	SECURE MEMORY SYSTEM
CS671	CSE	INTRODUCTION TO NATURAL LANGUAGE PROCESSING
CS671A	CSE	INTRODUCTION TO NATURAL LANGUAGE PROCESSING
CS673A	CSE	MACHINE TRANSLATION
CS674	CSE	MACHINE LEARNING & KNOWLEDGE DISCOVERY
CS676	CSE	COMPUTER VISION AND IMAGE PROCESSING
CS676A	CSE	COMPUTER VISION AND IMAGE PROCESSING
CS677	CSE	DATA AND INFORMATION FUSION
CS678	CSE	LEARNING WITH KERNELS
CS678A	CSE	LEARNING WITH KERNELS
CS679	CSE	MACHINE LEARNING FOR COMPUTER VISION
CS679A	CSE	MACHINE LEARNING FOR COMPUTER VISION
CS680	CSE	CATEGORY THEORY
CS680A	CSE	CATEGORY THEORY AND APPLICATIONS IN COMPUTING
CS681	CSE	COMPUTATIONAL NUMBER THEORY AND ALGEBRA
CS681A	CSE	COMPUTATIONAL NUMBER THEORY AND ALGEBRA
CS682	CSE	QUANTUM COMPUTING
CS682A	CSE	QUANTUM COMPUTING
CS683A	CSE	COMPUTATIONAL ARITHMETIC-GEOMETRY & APPLICATIONS
CS684	CSE	INTRODUCTION TO ALGORITHMS AND LOGICS IN GAME THEORY
CS685	CSE	DATA MINING
CS685A	CSE	DATA MINING
CS686	CSE	BIOMETRIC RECOGNITION
CS686A	CSE	DATA-DRIVEN PROGRAM ANALYSIS
CS687	CSE	ALGORITHMIC INFORMATION THEORY
CS687A	CSE	ALGORITHMIC INFORMATION THEORY
CS688	CSE	COMPUTATIONAL ARITHMETIC-GEOMETRY & APPLICATIONS
CS697	CSE	SPECIAL TOPICS IN COMPUTER SCIENCE
CS697A	CSE	SPECIAL TOPICS IN COMPUTER SCIENCE
CS698.	CSE	B TECH PROJECT
CS698.D	CSE	SPECIAL TOPICS IN DATA COMPRESSION
CS698A	CSE	SELECTED AREAS OF MECHANISM DESIGN
CS698AW	CSE	SPECIAL TOPICS IN : GAME THEORY AND ITS APPLICATIONS IN COMPUTER SCIENCE
CS698B	CSE	LINEAR ALGEBRA TOOLS FOR THEORETICAL COMPUTER SCIENCE
CS698C	CSE	SKETCHING IN NUMERICAL ALGEBRA
CS698D	CSE	TOPICS IN DATA COMPRESSION
CS698E	CSE	TOPICS IN COMPUTER ARCHITECTURE AND OPERATING SYSTEMS
CS698F	CSE	ADVANCED DATA MANAGEMENT
CS698GT	CSE	GRAPH THEORY
CS698H	CSE	HUMAN CENTERED COMPUTING
CS698I	CSE	FORMAL METHODS FOR ROBOTICS AND AUTOMATION
CS698J	CSE	INTRODUCTION TO CONSTRUCTIVE TYPES THEORY AND ITS APPLICATIONS
CS698K	CSE	APPLICATIONS OF SEMI-DEFINITE PROGRAMMING IN COMPLEXITY
CS698O	CSE	VISUAL RECOGNITION
CS698P	CSE	APPLICATIONS OF MARKOV CHAINS IN CO AND EVOLUTIONARY DYNAMICS
CS698S	CSE	BAYESIAN MACHINE LEARNING
CS698T	CSE	TYPE THEORETIC FOUNDATIONS OF PROGRAMMING LANGUAGES
CS698U	CSE	TOPICS IN COMPUTER VISION
CS698W	CSE	TOPICS IN GAME THEORY AND COLLECTIVE CHOICE
CS698WA	CSE	SPECIAL TOPICS IN : GAME THEORY AND ITS APPLICATIONS IN COMPUTER SCIENCE
CS698X	CSE	TOPICS IN PROBABILISTIC MODELING AND INFERENCE
CS698Y	CSE	MODERN MEMORY SYSTEMS
CS698Z	CSE	LINUX KERNEL PROGRAMMING
CS699	CSE	M TECH THESIS
CS699.	CSE	M TECH THESIS (FOR DUAL DEGREE ONLY)
CS711A	CSE	INTRODUCTION TO GAME THEORY AND MECHANISM DESIGN
CS712A	CSE	SELECTED AREAS OF MECHANISM DESIGN
CS718	CSE	SUBLINEAR ALGORITHMS FOR PROCESSING MASSIVE DATA SETS
CS719	CSE	DATA STREAMING: ALGORITHMS & SYSTEMS
CS719A	CSE	DATA STREAMING: ALGORITHMS & SYSTEMS

CS720	CSE	VLSI TESTING AND FAULT TOLERANCE
CS720A	CSE	VLSI TESTING AND FAULT TOLERANCE
CS727	CSE	TOPICS IN INTERNET TECHNOLOGIES
CS727A	CSE	TOPICS IN INTERNET TECHNOLOGIES
CS738	CSE	ADVANCED COMPILER OPTIMIZATIONS
CS738A	CSE	ADVANCED COMPILER OPTIMIZATIONS
CS743	CSE	ADVANCED GRAPH ALGORITHMS
CS743A	CSE	ADVANCED GRAPH ALGORITHMS
CS744A	CSE	PSEUDO-RANDOM GENERATORS
CS745	CSE	SMALL SPACE BOUNDED COMPUTATIONS
CS746	CSE	RIEMANN HYPOTHESIS AND ITS APPLICATIONS
CS746A	CSE	RIEMANN HYPOTHESIS AND ITS APPLICATIONS
CS747	CSE	RANDOMIZED METHODS IN COMPUTATIONAL COMPLEXITY
CS747A	CSE	RANDOMIZED METHODS IN COMPUTATIONAL COMPLEXITY
CS748A	CSE	ARITHMETIC CIRCUIT COMPLEXITY
CS749A	CSE	ELLIPTIC CURVES AND THEIR APPLICATIONS
CS750A	CSE	PROGRAMS, PROOFS AND TYPES
CS771	CSE	MACHINE LEARNING TECHNIQUES
CS771A	CSE	INTRODUCTION TO MACHINE LEARNING
CS772A	CSE	PROBABILISTIC MACHINE LEARNING
CS773	CSE	ONLINE LEARNING AND OPTIMIZATION
CS773A	CSE	ONLINE LEARNING AND OPTIMIZATION
CS774A	CSE	OPTIMIZATION TECHNIQUES
CS776A	CSE	DEEP LEARNING FOR COMPUTER VISION
CS777A	CSE	TOPICS IN LEARNING THEORY
CS785	CSE	MULTIAGENT SYSTEMS : GAMES, ALGORITHMS, EVOLUTION
CS785A	CSE	MULTIAGENT SYSTEMS : GAMES, ALGORITHMS, EVOLUTION
CS786A	CSE	COMPUTATIONAL COGNITIVE SCIENCE
CS797	CSE	SPECIAL TOPICS IN COMPUTER SCIENCE
CS797A	CSE	SPECIAL TOPICS IN COMPUTER SCIENCE
CS899	CSE	MS - RESEARCH THESIS
EC699	EC	M TECH THESIS
ECO699	ECO	M SC THESIS
ECO699.	ECO	M TECH THESIS (FOR DUAL DEGREE ONLY)
ECO742A	ECO	EFFICIENCY AND PRODUCTIVITY ANALYSIS
ECO751	ECO	LAW AND ECONOMICS
ECO752	ECO	QUANTITATIVE ANALYSIS OF INTERNATIONAL TRADE
ECO753A	ECO	LABOUR ECONOMICS
ECO754A	ECO	GAME THEORY
ECO755A	ECO	CONTRACT THEORY
ECO757	ECO	NONLINEAR DYNAMICS AND CONTROL IN ECONOMICS AND FINANCE
EE600	EE	MATHEMATICAL STRUCTURES OF SIGNALS & SYSTEMS
EE600A	EE	MATHEMATICAL STRUCTURES OF SIGNALS & SYSTEMS
EE601	EE	MATHEMATICAL METHODS IN SIGNAL PROCESSING
EE601A	EE	MATHEMATICAL METHODS IN SIGNAL PROCESSING
EE602	EE	STATISTICAL SIGNAL PROCESSING-I
EE602A	EE	STATISTICAL SIGNAL PROCESSING-I
EE604	EE	IMAGE PROCESSING
EE604A	EE	IMAGE PROCESSING
EE605	EE	INTRODUCTION TO SIGNAL ANALYSIS
EE605A	EE	INTRODUCTION TO SIGNAL ANALYSIS
EE606	EE	ARCHITECTURE AND APPLICATIONS OF DIGITAL SIGNAL PROCESSORS
EE606A	EE	ARCHITECTURE AND APPLICATIONS OF DIGITAL SIGNAL PROCESSORS
EE607	EE	WAVELET TRANSFORMS FOR SIGNAL & IMAGE PROCESSING
EE607A	EE	WAVELET TRANSFORMS FOR SIGNAL & IMAGE PROCESSING
EE608	EE	DIGITAL VIDEO SIGNAL PROCESSING
EE608A	EE	DIGITAL VIDEO SIGNAL PROCESSING
EE609	EE	CONVEX OPTIMIZATION IN SIGNAL PROCESSING AND COMMUNICATIONS
EE609A	EE	CONVEX OPTIMIZATION IN SIGNAL PROCESSING AND COMMUNICATIONS
EE610	EE	ANALOG/DIGITAL VLSI CIRCUITS
EE610A	EE	ANALOG/DIGITAL VLSI CIRCUITS

EE611	EE	ORGANIC ELECTRONICS
EE611A	EE	ORGANIC ELECTRONICS
EE612	EE	FIBER OPTIC SYSTEMS I
EE612A	EE	FIBER OPTIC SYSTEMS I
EE614	EE	SOLID STATE DEVICES I
EE614A	EE	SOLID STATE DEVICES I
EE615	EE	HIGH FREQUENCY SEMICONDUCTOR DEVICES AND CIRCUITS
EE616	EE	SEMICONDUCTOR DEVICE MODELLING
EE616A	EE	SEMICONDUCTOR DEVICE MODELLING
EE617	EE	INDUSTRIAL AUTOMATION AND CONTROL
EE617A	EE	INDUSTRIAL AUTOMATION AND CONTROL
EE618	EE	INTEGRATED CIRCUIT FABRICATION TECHNOLOGY
EE618A	EE	INTEGRATED CIRCUIT FABRICATION TECHNOLOGY
EE619	EE	VLSI SYSTEM DESIGN
EE619A	EE	VLSI SYSTEM DESIGN
EE620	EE	OPTICAL COHERENT IMAGING
EE620A	EE	OPTICAL COHERENT IMAGING
EE621	EE	REPRESENTATION AND ANALYSIS OF RANDOM SIGNALS
EE621A	EE	REPRESENTATION AND ANALYSIS OF RANDOM SIGNALS
EE622	EE	COMMUNICATION THEORY
EE622A	EE	COMMUNICATION THEORY
EE623	EE	DETECTION & ESTIMATION THEORY
EE623A	EE	DETECTION & ESTIMATION THEORY
EE624	EE	INFORMATION AND CODING THEORY
EE624A	EE	INFORMATION AND CODING THEORY
EE626	EE	TOPICS IN STOCHASTIC PROCESSES
EE626A	EE	TOPICS IN STOCHASTIC PROCESSES
EE627	EE	SPEECH SIGNAL PROCESSING
EE627A	EE	SPEECH SIGNAL PROCESSING
EE628	EE	TOPICS IN CRYPTOGRAPHY AND CODING
EE628A	EE	TOPICS IN CRYPTOGRAPHY AND CODING
EE629	EE	DIGITAL SWITCHING
EE629A	EE	DIGITAL SWITCHING
EE630	EE	SIMULATON OF MODERN POWER SYSTEMS
EE630A	EE	SIMULATON OF MODERN POWER SYSTEMS
EE631	EE	ADVANCED POWER SYSTEM STABILITY
EE631A	EE	ADVANCED POWER SYSTEM STABILITY
EE632	EE	ECONOMIC OPERATION & CONTROL OF POWER SYSTEMS
EE632A	EE	ECONOMIC OPERATION & CONTROL OF POWER SYSTEMS
EE633	EE	ELECTRIC POWER SYSTEM OPERATION AND MGMT. UNDER RESTRUCTURED ENVIRONMENT
EE633A	EE	ELECTRIC POWER SYSTEM OPERATION AND MGMT. UNDER RESTRUCTURED ENVIRONMENT
EE634	EE	ELECTRICAL INSULATION IN POWER APPARATUS AND SYSTEMS
EE634A	EE	ELECTRICAL INSULATION IN POWER APPARATUS AND SYSTEMS
EE635	EE	HVDC TRANSMISSION & FLEXIBLE A C TRANSMISSION SYSTEMS
EE635A	EE	HVDC TRANSMISSION & FLEXIBLE A C TRANSMISSION SYSTEMS
EE636	EE	ADVANCED PROTECTIVE RELAYING
EE636A	EE	ADVANCED PROTECTIVE RELAYING
EE637A	EE	SYNCHROPHASOR TECHNOLOGY AND ITS APPLICATIONS
EE638A	EE	ADVANCED RF ANTENNAS
EE639	EE	NONLINEAR FIBER OPTICS
EE639A	EE	NONLINEAR FIBER OPTICS
EE640	EE	COMPUTATIONAL ELECTROMAGNETICS
EE640A	EE	COMPUTATIONAL ELECTROMAGNETICS
EE641	EE	ADVANCED ENGINEERING ELECTROMAGNETICS
EE641A	EE	ADVANCED ENGINEERING ELECTROMAGNETICS
EE642	EE	ANTENNAS ANALYSIS & SYNTHESIS
EE642A	EE	ANTENNAS ANALYSIS & SYNTHESIS
EE643	EE	SMART ANTENNAS FOR MOBILE COMMUNICATION
EE643A	EE	SMART ANTENNAS FOR MOBILE COMMUNICATION
EE644	EE	DISCONTINUED
EE644A	EE	ELECTROMAGNETIC INTERFERENCE AND COMPATIBILITY TECHNIQUES

EE645	EE	MONOLITHIC MICROWAVE ICS
EE645A	EE	MONOLITHIC MICROWAVE ICS
EE646	EE	PHOTONIC NETWORKS & SWITCHING
EE646A	EE	PHOTONIC NETWORKS & SWITCHING
EE647	EE	MICROWAVE MEASUREMENTS AND DESIGN
EE647A	EE	MICROWAVE MEASUREMENTS AND DESIGN
EE648	EE	MICROWAVE CIRCUITS
EE648A	EE	MICROWAVE CIRCUITS
EE649	EE	THE FINITE ELEMENT METHOD FOR ELECTRIC AND MAGNETIC FIELDS
EE649A	EE	THE FINITE ELEMENT METHOD FOR ELECTRIC AND MAGNETIC FIELDS
EE650	EE	BASICS OF MODERN CONTROL SYSTEMS
EE650A	EE	BASICS OF MODERN CONTROL SYSTEMS
EE651A	EE	NONLINEAR SYSTEMS
EE652A	EE	PROBABILISTIC MOBILE ROBOTICS
EE653	EE	DIGITAL CONTROL
EE653A	EE	DIGITAL CONTROL
EE654	EE	ROBUST CONTROL SYSTEMS
EE654A	EE	ROBUST CONTROL SYSTEMS
EE658	EE	FUZZY SET, LOGIC & SYSTEMS & APPLICATIONS
EE658A	EE	FUZZY SET, LOGIC & SYSTEMS & APPLICATIONS
EE659	EE	COMPUTATIONAL ASPECTS OF TOMOGRAPHIC IMAGING : MODELS TO INVERSIONS
EE659A	EE	COMPUTATIONAL ASPECTS OF TOMOGRAPHIC IMAGING : MODELS TO INVERSIONS
EE660	EE	BASICS OF POWER ELECTRONIC CONVERTERS
EE660A	EE	BASICS OF POWER ELECTRONIC CONVERTERS
EE661	EE	POWER ELECTRONICS APPLICATIONS IN POWER SYSTEMS
EE661A	EE	POWER ELECTRONICS APPLICATIONS IN POWER SYSTEMS
EE662	EE	CONTROL TECHNIQUES IN POWER ELECTRONICS
EE662A	EE	CONTROL TECHNIQUES IN POWER ELECTRONICS
EE663	EE	POWER ELECTRONICS IN SOLAR PHOTOVOLTAIC SYSTEMS
EE663A	EE	POWER ELECTRONICS IN SOLAR PHOTOVOLTAIC SYSTEMS
EE664	EE	FUNDAMENTALS OF ELECTRIC DRIVES
EE664A	EE	FUNDAMENTALS OF ELECTRIC DRIVES
EE665	EE	ADVANCED ELECTRIC DRIVES
EE665A	EE	ADVANCED ELECTRIC DRIVES
EE666	EE	SPECIAL TOPICS IN POWER ELECTRONICS
EE666A	EE	SPECIAL TOPICS IN POWER ELECTRONICS
EE667	EE	INFORMATION THEORY
EE667A	EE	INFORMATION THEORY
EE668	EE	CODING THEORY
EE668A	EE	CODING THEORY
EE669	EE	SIMULATION OF COMMUNICATION SYSTEMS
EE669A	EE	SIMULATION OF COMMUNICATION SYSTEMS
EE670	EE	WIRELESS COMMUNICATIONS
EE670A	EE	WIRELESS COMMUNICATIONS
EE671	EE	NEURAL NETWORKS
EE671A	EE	NEURAL NETWORKS
EE673	EE	DIGITAL COMMUNICATION NETWORKS
EE673A	EE	DIGITAL COMMUNICATION NETWORKS
EE674	EE	ARCHITECTURE OF MICRO-PROCESSORS & MICROCOMPUTERS
EE674A	EE	ARCHITECTURE OF MICRO-PROCESSORS & MICROCOMPUTERS
EE677	EE	KNOWLEDGE BASED MAN MACHINE SYSTEMS
EE677A	EE	MIMO WIRELESS COMMUNICATION
EE678A	EE	POWER MANAGEMENT CIRCUITS
EE679	EE	QUEUEING SYSTEMS
EE680	EE	INTELLIGENT INSTRUMENTATION
EE680A	EE	INTELLIGENT INSTRUMENTATION
EE681	EE	COMPACT MODELING
EE681A	EE	COMPACT MODELING
EE682	EE	GAME THEORY FOR WIRELESS COMMUNICATIONS
EE683	EE	QUANTUM AND WAVE PHENOMENA
EE683A	EE	QUANTUM AND WAVE PHENOMENA

EE684	EE	FIBER-OPTIC COMMUNICATIONS
EE684A	EE	FIBER-OPTIC COMMUNICATIONS
EE685	EE	SEMICONDUCTOR OPTICAL COMMUNICATION DEVICES
EE685A	EE	SEMICONDUCTOR OPTICAL COMMUNICATION DEVICES
EE686	EE	MICROWAVE IMAGING CHARACTERIZATION AND NONDESTRUCTIVE TESTING
EE686A	EE	MICROWAVE IMAGING CHARACTERIZATION AND NONDESTRUCTIVE TESTING
EE688A	EE	SELECTED TOPICS IN IMAGE AND SIGNAL PROCESSING
EE698	EE	POWER MANAGEMENT CIRCUITS
EE698A	EE	HIGH FREQUENCY ANALOG CIRCUIT DESIGN
EE698B	EE	SMART GRID TECHNOLOGY APPLICATIONS
EE698C	EE	PEER TO PEER NETWORKS
EE698D	EE	QUANTUM AND WAVE PHENOMENA WITH ELECTRICAL APPLICATION
EE698E	EE	QUANTUM AND WAVE PHENOMENA WITH ELECTRICAL APPLICATION
EE698F	EE	POWER ELECTRONICS IN SOLAR PHOTOVOLTAIC SYSTEMS
EE698G	EE	PROBABILISTIC MOBILE ROBOTICS
EE698H	EE	SIMULATION BASED DESIGN OF 4G/5G WIRELESS STANDARDS
EE698I	EE	SOLAR PHOTOVOLTAIC TECHNOLOGY
EE698J	EE	KALMAN FILTERING & APPLICATIONS
EE698K	EE	MODELING AND REPRESENTATION TECHNIQUES FOR IMAGES
EE698L	EE	INTRODUCTION TO FLEXIBLE ELECTRONICS
EE698M	EE	SELECTED TOPICS IN IMAGE & SIGNAL PROCESSING
EE698N	EE	INTRODUCTION TO FLEXIBLE ELECTRONICS
EE698O	EE	CONTROL OF NETWORKED AGENTS
EE698P	EE	ADAPTIVE SIGNAL PROCESSING
EE698Q	EE	5G WIRELESS TECHNOLOGIES
EE698R	EE	SMART GRID MONITORING AND VISUALIZATION
EE698S	EE	ANALYSIS OF MODERN WIRELESS NETWORK
EE698T	EE	CHARGE AND HEAT TRANSPORT IN SEMICONDUCTORS
EE698U	EE	SPINTRONICS AND QUANTUM TRANSPORT APPLICATION TO SEMICONDUCTOR DEVICES
EE698UA	EE	SPINTRONICS AND QUANTUM TRANSPORT APPLICATION TO SEMICONDUCTOR DEVICES
EE698V	EE	SIMULATION OF COMMUNICATION SYSTEMS
EE698W	EE	CONVEX OPTIMIZATION IN SP/COM
EE698X	EE	POWER CONVERTERS FOR CONSUMER ELECTRONIC
EE698Y	EE	PV TECHNOLOGIES
EE698Z	EE	NONLINEAR SYSTEMS II
EE699	EE	M TECH THESIS
EE699.	EE	M TECH THESIS (FOR DUAL DEGREE ONLY)
EE705	EE	INTELLIGENT SYSTEMS & CONTROL
EE705A	EE	INTELLIGENT SYSTEMS & CONTROL
EE899	EE	MS - RESEARCH THESIS
EEM699	EEM	M.TECH THESIS
EEM899	EEM	MS - RESEARCH THESIS
ES640	ES	EARTH SYSTEM PROCESSES
ES640A	ES	EARTH SYSTEM PROCESSES
ES641	ES	ENVIRONMENTAL GEOLOGY
ES642	ES	GEOCHEMISTRY
ES642A	ES	GEOCHEMISTRY
ES643	ES	RESOURCE EXPLORATION TECHNIQUES
ES643A	ES	AQUEOUS GEOCHEMISTRY
ES644	ES	SATELLITE REMOTE SENSING & GIS FOR GEORESOURCE EVALUATION
ES644A	ES	REMOTE SENSING AND GIS FOR GEO-RESOURCE EVALUATION COURSE
ES645	ES	RIVER SCIENCE
ES645A	ES	RIVER SCIENCE
ES646	ES	GLOBAL CLIMATE CHANGE
ES646A	ES	GLOBAL CLIMATE CHANGE
ES647	ES	PETROLEUM EXPLORATION AND PRODUCTION
ES647A	ES	GEOLOGY AND GEOCHEMISTRY OF PETROLEUM
ES648	ES	LABORATORY PRACTICES IN GEOSCIENCES
ES648A	ES	INSTRUMENTATION IN EARTH SCIENCE
ES649	ES	ISOTOPE GEOCHEMISTRY AND APPLICATIONS
ES649A	ES	ISOTOPE GEOCHEMISTRY AND APPLICATIONS

ES650A	ES	COMMUNICATION SKILLS IN EARTH SCIENCES
ES651A	ES	MATHEMATICS FOR EARTH SCIENCES
ES652	ES	IGNEOUS AND METAMORPHIC PETROLOGY
ES652A	ES	IGNEOUS AND METAMORPHIC PETROLOGY
ES653	ES	SEDIMENTOLOGY AND BASIN ANALYSIS
ES653A	ES	APPLIED SEDIMENTOLOGY AND BASIN ANALYSIS
ES654	ES	ADVANCED STRUCTURAL GEOLOGY
ES654A	ES	ADVANCED STRUCTURAL GEOLOGY
ES655	ES	SOLID EARTH GEOPHYSICS
ES655A	ES	SOLID EARTH GEOPHYSICS
ES656	ES	GEOPHYSICAL EXPLORATION
ES656A	ES	GEOPHYSICAL METHODS
ES657A	ES	EXPERIMENTAL ROCK MECHANICS & ROCK PHYSICS
ES658A	ES	NATURAL HAZARDS
ES659A	ES	ACTIVE TECTONICS AND PALEOSEISMOLOGY
ES660A	ES	GEOLOGICAL FIELD TRAINING
ES662A	ES	ADVANCED METAMORPHIC PETROLOGY
ES698A	ES	SPECIAL TOPICS IN SOLID EARTH GEOPHYSICS
ES699	ES	M TECH THESIS
ART701	HSS	METHODOLOGY: ART CRITICISM & APPRECIATION
ART701A	HSS	METHODOLOGY: ART CRITICISM & APPRECIATION
ART703A	HSS	STUDIO ART PRACTICES
ART704A	HSS	ART A MEDIUM OF COMMUNICATION
ART705A	HSS	MODERN FAR-EASTERN ART
ART706A	HSS	VISUAL ETHNOGRAPHY
ART707A	HSS	INTRODUCTION TO CHINESE CINEMA
ART708A	HSS	RESEARCH METHODS IN VISUAL CULTURE
ART709A	HSS	TOPICS IN INDIAN FOLK ART
ART710A	HSS	INDIVIDUAL PROJECT
ART711A	HSS	CREATIVE PAINTING-METHODOLOGY & PRACTICES
ECO731	HSS	PUBLIC ECONOMICS AND PUBLIC POLICY
ECO731A	HSS	PUBLIC ECONOMICS AND PUBLIC POLICY
ECO732	HSS	ECONOMETRICS
ECO732A	HSS	ECONOMETRICS
ECO733A	HSS	PROGRAM EVALUATION: METHODS AND APPLICATIONS
ECO734	HSS	INDUSTRIAL ORGANISATION AND POLICY
ECO734A	HSS	INDUSTRIAL ORGANISATION AND POLICY
ECO735	HSS	DEVELOPMENT ECONOMICS
ECO735A	HSS	DEVELOPMENT ECONOMICS
ECO736	HSS	APPLIED ECONOMETRICS
ECO737	HSS	ADVANCES IN MICROECONOMIC THEORY
ECO737A	HSS	ADVANCES IN MICROECONOMIC THEORY
ECO738	HSS	INTER-INDUSTRY ECONOMICS
ECO738A	HSS	INTER-INDUSTRY ECONOMICS
ECO740	HSS	SEMINAR ON SELECTED TOPICS IN ADVANCED ECONOMIC ANALYSIS
ECO741A	HSS	PRODUCTION ECONOMICS
ECO745	HSS	ADVANCED MONETARY THEORY
ECO745A	HSS	ADVANCED MONETARY THEORY
ECO747	HSS	ENVIRONMENTAL ECONOMICS LEGISLATION AND SOCIAL IMPACT
ECO747A	HSS	ENVIRONMENTAL ECONOMICS LEGISLATION AND SOCIAL IMPACT
ECO750	HSS	ADVANCED MICROECONOMICS
ECO750A	HSS	ADVANCED MACROECONOMICS
ECO751A	HSS	LAW AND ECONOMICS
ECO752A	HSS	QUANTITATIVE ANALYSIS OF INTERNATIONAL TRADE
ECO753	HSS	LABOUR ECONOMICS
ECO754	HSS	GAME THEORY
ECO755	HSS	CONTRACT THEORY
ECO756	HSS	PROGRAMME EVALUATION: METHODS AND APPLICATIONS
ECO756A	HSS	PROGRAMME EVALUATION: METHODS AND APPLICATIONS
ECO757A	HSS	NONLINEAR DYNAMICS AND CONTROL IN ECONOMICS AND FINANCE
ECO760	HSS	MATHEMATICAL ANALYSIS FOR ECONOMICS

PG

ECO760A	HSS	MATHEMATICAL ANALYSIS FOR ECONOMICS
ECO761A	HSS	APPLIED ECONOMETRICS
ECO762A	HSS	BAYESIAN DATA ANALYSIS
ECO764A	HSS	FINANCIAL ECONOMETRICS
ENG701	HSS	FUNDAMENTALS OF MODERN LINGUISTICS
ENG701A	HSS	FUNDAMENTALS OF MODERN LINGUISTICS
ENG703	HSS	STRUCTURE OF MODERN ENGLISH
ENG707A	HSS	LANGUAGE CURRICULUM DESIGN
ENG708	HSS	APPLIED LINGUISTICS
ENG708A	HSS	APPLIED LINGUISTICS
ENG709	HSS	LINGUISTIC ANALYSIS
ENG709A	HSS	LINGUISTIC ANALYSIS
ENG711A	HSS	INDIAN WRITING IN ENGLISH
ENG712	HSS	LITERATURE AND SOCIETY
ENG712A	HSS	LITERATURE AND SOCIETY
ENG715	HSS	METHODOLOGY OF TEACHING AND RESEARCH IN LITERATURE
ENG715A	HSS	METHODOLOGY OF TEACHING AND RESEARCH IN LITERATURE
ENG716	HSS	INDIVIDUAL PROJECTS
ENG716A	HSS	INDIVIDUAL PROJECTS
ENG717A	HSS	SEMINAR IN LINGUISTICS
ENG719	HSS	AMERICAN RENAISSANCE
ENG719A	HSS	AMERICAN RENAISSANCE
ENG733	HSS	INDIAN LITERATURE
ENG733A	HSS	INDIAN LITERATURE
ENG735	HSS	COMMONWEALTH LITERATURE
ENG735A	HSS	COMMONWEALTH LITERATURE
ENG742	HSS	RESPONSIBLE DISSENT
ENG742A	HSS	RESPONSIBLE DISSENT
ENG743	HSS	FEMINIST THEORY AND LITERATURE
ENG743A	HSS	FEMINIST THEORY AND LITERATURE
ENG748	HSS	COGNITIVE LINGUISTICS
ENG748A	HSS	TOPICS IN COGNITIVE LINGUISTICS
ENG749	HSS	POSTMODERN THEORY AND LITERATURE
ENG750	HSS	POSTWAR AMERICAN FICTION
ENG750A	HSS	POSTWAR AMERICAN FICTION
ENG751	HSS	CONTEMPORARY CRITICAL THEORIES & LITERARY PRACTICES
ENG751A	HSS	CONTEMPORARY CRITICAL THEORIES & LITERARY PRACTICES
ENG752	HSS	COMPARATIVE AESTHETICS
ENG752A	HSS	COMPARATIVE AESTHETICS
ENG753	HSS	TRANSLATION STUDIES
ENG753A	HSS	TRANSLATION STUDIES
ENG754	HSS	HISTORICAL LINGUISTICS
ENG754A	HSS	HISTORICAL LINGUISTICS
ENG759A	HSS	HISTORY OF LINGUISTIC THOUGHT
ENG760A	HSS	TOPICS IN PRAGMATICS
ENG762A	HSS	TOPICS IN LINGUISTIC UNIVERSALS AND TYPOLOGY
ENG763A	HSS	LANGUAGE DOCUMENTATION AND DESCRIPTION
ENG764A	HSS	INDIAN EPIC NARRATIVES
ENG777	HSS	PERSPECTIVES OF THE POSTHUMAN AND/IN THE ANTHROPOCENE
ENG777A	HSS	PERSPECTIVES OF THE POSTHUMAN AND / IN THE ANTHROPOCENE
HSS701	HSS	THEORIES OF RIGHTS
HSS702	HSS	HEALTH AND ILLNESS: PSYCHO-SOCIAL PERSPECTIVES
HSS702A	HSS	HEALTH AND ILLNESS: PSYCHO-SOCIAL PERSPECTIVES
HSS703	HSS	EXPLORING INDIANNESS
HSS703A	HSS	EXPLORING INDIANNESS
PHI751	HSS	TWENTIETH CENTURY PHILOSOPHY-I
PHI751A	HSS	TWENTIETH CENTURY PHILOSOPHY-I
PHI752	HSS	PROBLEMS IN PHILOSOPHICAL AESTHETICS
PHI752A	HSS	PROBLEMS IN PHILOSOPHICAL AESTHETICS
PHI753	HSS	MODERN LOGIC
PHI753A	HSS	MODERN LOGIC

PHI755A	HSS	ADVANCED TOPICS IN PHILOSOPHY OF SCIENCE
PHI757	HSS	MORAL JUDGEMENT
PHI757A	HSS	MORAL JUDGEMENT
PHI758	HSS	CONTEMPORARY EPISTEMOLOGY I
PHI758A	HSS	CONTEMPORARY EPISTEMOLOGY
PHI765	HSS	TWENTIETH CENTURY PHILOSOPHY II
PHI765A	HSS	TWENTIETH CENTURY PHILOSOPHY II
PHI768	HSS	MODAL LOGIC
PHI768A	HSS	MODAL LOGIC
PHI769	HSS	INDIAN PHILOSOPHY I
PHI774	HSS	SOCIAL AND POLITICAL PHILOSOPHY
PHI774A	HSS	SOCIAL AND POLITICAL PHILOSOPHY
PHI782	HSS	EXISTENTIALISM
PHI782A	HSS	EXISTENTIALISM
PHI784	HSS	TWENTIETH CENTURY CONTINENTAL PHILOSOPHY
PHI784A	HSS	TWENTIETH CENTURY CONTINENTAL PHILOSOPHY
PHI785A	HSS	PLATO
PSY720A	HSS	HEALTH AND ILLNESS: PSYCHO-SOCIAL PERSPECTIVES
PSY760A	HSS	INTRODUCTION TO COGNITIVE NEUROSCIENCE
PSY770A	HSS	BILINGUALISM
PSY771A	HSS	GROUNDING THEORY METHODOLOGY
PSY772A	HSS	HUMAN PERCEPTUAL PROCESS
PSY774	HSS	QUALITATIVE RESEARCH : THEORY AND PRACTICE
PSY774A	HSS	QUALITATIVE RESEARCH : THEORY AND PRACTICE
PSY775	HSS	FUNDAMENTAL OF NEUROPSYCHOLOGY
PSY775A	HSS	FUNDAMENTAL OF NEUROPSYCHOLOGY
PSY776	HSS	SEMINAR COURSE IN PSYCHOLOGY
PSY776A	HSS	SEMINAR COURSE IN PSYCHOLOGY
PSY780	HSS	PSYCHOLOGY OF PERSONALITY
PSY783	HSS	ADVANCED EXPERIMENTAL SOCIAL PSYCHOLOGY
PSY784	HSS	APPLIED SOCIAL PSYCHOLOGY
PSY786	HSS	UNDERSTANDING ORGANIZATIONAL BEHAVIOUR
PSY786A	HSS	UNDERSTANDING ORGANIZATIONAL BEHAVIOUR
PSY787	HSS	MANAGEMENT OF ORGANIZATIONAL BEHAVIOUR
PSY787A	HSS	MANAGEMENT OF ORGANIZATIONAL BEHAVIOUR
PSY789	HSS	LEARNING MEMORY AND COGNITION
PSY789A	HSS	LEARNING MEMORY AND COGNITION
PSY790	HSS	HUMAN COGNITIVE PROCESSES
PSY790A	HSS	HUMAN COGNITIVE PROCESSES
PSY792	HSS	INTRODUCTION TO QUANTITATIVE STATISTICS USING R
PSY792A	HSS	INTRODUCTION TO QUANTITATIVE STATISTICS USING R
PSY794	HSS	DISASTER MENTAL HEALTH
PSY794A	HSS	DISASTER MENTAL HEALTH
PSY798	HSS	ADVANCED COURSE IN SOCIAL COGNITION
PSY798A	HSS	ADVANCED COURSE IN SOCIAL COGNITION
SOC720	HSS	RESEARCH METHODS
SOC720A	HSS	RESEARCH METHODS
SOC721	HSS	SOCIOLOGICAL THEORY
SOC721A	HSS	SOCIOLOGICAL THEORY
SOC723	HSS	INTRODUCTION TO STATISTICAL INFERENCE
SOC724A	HSS	URBAN SOCIOLOGY
SOC732	HSS	SOCIOLOGY OF DEVELOPMENT
SOC732A	HSS	SOCIOLOGY OF DEVELOPMENT
SOC734	HSS	SOCIAL INEQUALITY AND STRATIFICATION
SOC742	HSS	SOCIOLOGY OF ENVIRONMENT
SOC742A	HSS	SOCIOLOGY OF ENVIRONMENT
SOC745	HSS	SOCIAL THEORY IN LATE TWENTIETH CENTURY
SOC745A	HSS	SOCIAL THEORY IN LATE TWENTIETH CENTURY
SOC746	HSS	SOCIAL MOVEMENTS : OLD AND NEW
SOC746A	HSS	SOCIAL MOVEMENTS : OLD AND NEW
SOC748	HSS	EDUCATION AND SOCIAL CHANGE



SOC749	HSS	CONTEMPORARY SOCIAL THEORY
SOC750	HSS	SOCIOLOGY OF RELIGION
SOC750A	HSS	SOCIOLOGY OF RELIGION
SOC751	HSS	METHODS OF SOCIOLOGICAL RESEARCH
SOC751A	HSS	METHODS OF SOCIOLOGICAL RESEARCH
SOC752	HSS	APPLIED STATISTICS FOR SOCIOLOGISTS AND OTHER SOCIAL SCIENTISTS
SOC752A	HSS	APPLIED STATISTICS FOR SOCIOLOGISTS AND OTHER SOCIAL SCIENTISTS
SOC753	HSS	SOCIOLOGY OF MOBILITY
SOC753A	HSS	SOCIOLOGY OF MOBILITY
SOC754A	HSS	SOCIAL CHANGE IN CONTEMPORARY INDIA: A SOCIOLOGICAL PERSPECTIVE
IME602	IME	PROBABILITY AND STATISTICS
IME602A	IME	PROBABILITY AND STATISTICS
IME603	IME	INTRODUCTION TO COMPUTING
IME603A	IME	INTRODUCTION TO COMPUTING
IME605	IME	OPERATIONS RESEARCH FOR MANAGEMENT
IME605A	IME	OPERATIONS RESEARCH FOR MANAGEMENT
IME611	IME	FINANCIAL ENGINEERING
IME611A	IME	FINANCIAL ENGINEERING
IME624	IME	COMPUTER AIDED DECISION SYSTEMS
IME624A	IME	COMPUTER AIDED DECISION SYSTEMS
IME625	IME	INTRODUCTION TO STOCHASTIC PROCESSES AND THEIR APPLICATIONS
IME625A	IME	INTRODUCTION TO STOCHASTIC PROCESSES AND THEIR APPLICATIONS
IME631A	IME	MARKETING MODELS
IME634	IME	MANAGEMENT DECISION ANALYSIS
IME634A	IME	MANAGEMENT DECISION ANALYSIS
IME636	IME	INTRODUCTION TO GAME THEORY
IME636A	IME	INTRODUCTION TO GAME THEORY
IME637	IME	ADVANCED DECISION MODELS
IME637A	IME	ADVANCED DECISION MODELS
IME638A	IME	STOCHASTIC MODELS AND SIMULATION
IME639	IME	ANALYTICS IN TRANSPORT AND TELECOM
IME639A	IME	ANALYTICS IN TRANSPORT AND TELECOM
IME640	IME	INFORMATION SYSTEMS THEORY
IME640A	IME	INFORMATION SYSTEMS THEORY
IME641	IME	DESIGN OF PRODUCTION SYSTEMS
IME641A	IME	DESIGN OF PRODUCTION SYSTEMS
IME642	IME	OPERATIONS MANAGEMENT
IME642A	IME	OPERATIONS MANAGEMENT
IME671	IME	SOFTWARE PROJECT MANAGEMENT
IME671A	IME	SOFTWARE PROJECT MANAGEMENT
IME672	IME	DATA MINING AND KNOWLEDGE DISCOVERY
IME672A	IME	DATA MINING AND KNOWLEDGE DISCOVERY
IME684	IME	SIMULATION AND SCHEDULING OF MANUFACTURING
IME692	IME	ADVANCED STATISTICAL METHODS FOR BUSINESS ANALYTICS
IME692A	IME	ADVANCED STATISTICAL METHODS FOR BUSINESS ANALYTICS
IME697	IME	INDUSTRIAL PROJECT
IME698	IME	SEMINAR
IME698A	IME	SEMINAR
IME699	IME	M TECH THESIS
IME700	IME	RESEARCH METHODOLOGY
IME700A	IME	RESEARCH METHODOLOGY
IME797	IME	INDEPENDENT STUDY
IME797A	IME	INDEPENDENT STUDY
MBA601	IME	ACCOUNTING & FINANCE
MBA601A	IME	ACCOUNTING & FINANCE
MBA606	IME	ECONOMIC ANALYSIS FOR MANAGEMENT
MBA606A	IME	ECONOMIC ANALYSIS FOR MANAGEMENT
MBA607	IME	FINANCIAL MANAGEMENT
MBA607A	IME	FINANCIAL MANAGEMENT
MBA610	IME	INVESTMENT VALUATION AND REAL OPTIONS
MBA610A	IME	INVESTMENT VALUATION AND REAL OPTIONS

MBA611	IME	ORGANIZATION STRUCTURE AND BEHAVIOUR
MBA611A	IME	ORGANIZATION STRUCTURE AND DESIGN
MBA616	IME	HUMAN RESOURCE MANAGEMENT
MBA616A	IME	HUMAN RESOURCE MANAGEMENT
MBA617	IME	SOCIAL, POLITICAL AND LEGAL ENVIRON OF BUSINESS
MBA617A	IME	SOCIAL POLITICAL AND ETHICAL ASPECTS OF BUSINESS
MBA617B	IME	SOCIOPOLITICAL AND ETHICAL ASPECTS OF BUSINESS
MBA618	IME	GLOBALIZATION , STATE & CORPORATIONS
MBA621	IME	MANAGERIAL COMMUNICATIONS
MBA621A	IME	MANAGERIAL COMMUNICATION: STRATEGIES AND TACTICS
MBA622	IME	MANUFACTURING STRATEGY
MBA622A	IME	MANUFACTURING STRATEGY
MBA623	IME	STRATEGIC MANAGEMENT
MBA623A	IME	STRATEGIC MANAGEMENT
MBA624	IME	CORPORATE INNOVATION & ENTREPRENEURSHIP
MBA626	IME	MANAGEMENT OF TECHNOLOGY
MBA626A	IME	MANAGEMENT OF TECHNOLOGY
MBA628	IME	INTERNATIONAL BUSINESS MANAGEMENT
MBA628A	IME	INTERNATIONAL BUSINESS MANAGEMENT
MBA629	IME	MANAGEMENT IN A GLOBAL ECONOMY: AN INDIAN PERSPECTIVE
MBA630	IME	ECONOMICS OF BUSINESS POLICY
MBA630A	IME	ECONOMICS OF BUSINESS POLICY
MBA631	IME	MARKETING MANAGEMENT
MBA631A	IME	MARKETING MANAGEMENT
MBA632	IME	E- MARKETING
MBA633	IME	MARKETING RESEARCH
MBA633A	IME	MARKETING RESEARCH
MBA634	IME	CONSUMER BEHAVIOUR
MBA634A	IME	CONSUMER BEHAVIOUR
MBA635	IME	MARKETING OF SERVICES
MBA635A	IME	MARKETING OF SERVICES
MBA637	IME	BUSINESS TO BUSINESS MARKETING
MBA637A	IME	BUSINESS TO BUSINESS MARKETING
MBA639	IME	STRATEGIC MARKETING-CONTEMPORARY ISSUES
MBA639A	IME	STRATEGIC MARKETING-CONTEMPORARY ISSUES
MBA640	IME	INTELLECTUAL PROPERTY MANAGEMENT, VALUE CREATION AND VALUE CAPTURE
MBA640A	IME	INTELLECTUAL PROPERTY MANAGEMENT, VALUE CREATION AND VALUE CAPTURE
MBA641	IME	COMPUTING FOR MANAGEMENT
MBA641A	IME	COMPUTING FOR MANAGEMENT
MBA643	IME	SIMULATION OF BUSINESS SYSTEMS
MBA643A	IME	SIMULATION OF BUSINESS SYSTEMS
MBA644	IME	KNOWLEDGE STRATEGIES & MANAGEMENT
MBA645	IME	MANAGEMENT INFORMATION SYSTEMS
MBA645A	IME	MANAGEMENT INFORMATION SYSTEMS
MBA646	IME	ENTERPRISE INTEGRATION WITH IT
MBA646A	IME	ENTERPRISE INTEGRATION WITH IT
MBA647	IME	BUSINESS PROCESS MANAGEMENT
MBA647A	IME	BUSINESS PROCESS MANAGEMENT
MBA648	IME	SOFTWARE QUALITY MANAGEMENT
MBA648A	IME	MBA NEXT GENERATION INFORMATION SYSTEMS
MBA649	IME	E -COMMERCE
MBA649A	IME	E -COMMERCE
MBA650A	IME	RENEWABLE ENERGY SOURCES:ECONOMICS POLICY AND REGULATION
MBA651	IME	QUANTITATIVE METHODS FOR DECISION MAKING
MBA651A	IME	QUANTITATIVE METHODS FOR DECISION MAKING
MBA652	IME	STATISTICAL MODELLING FOR BUSINESS ANALYTICS
MBA652A	IME	STATISTICAL MODELLING FOR BUSINESS ANALYTICS
MBA653	IME	SOCIAL MEDIA ANALYTICS
MBA653A	IME	SOCIAL MEDIA ANALYTICS
MBA654	IME	INNOVATION FOR SUSTAINABLE BUSINESS ADVANTAGE
MBA654A	IME	INNOVATION FOR SUSTAINABLE BUSINESS ADVANTAGE

MBA661	IME	PRODUCTION AND OPERATIONS MANAGEMENT
MBA661A	IME	PRODUCTION AND OPERATIONS MANAGEMENT
MBA663	IME	TOTAL QUALITY MANAGEMENT
MBA663A	IME	TOTAL QUALITY MANAGEMENT
MBA664	IME	SUPPLY CHAIN MANAGEMENT
MBA664A	IME	SUPPLY CHAIN MANAGEMENT
MBA665	IME	MANUFACTURING PLANNING AND CONTROL
MBA665A	IME	MANUFACTURING PLANNING AND CONTROL
MBA666	IME	PROJECT MANAGEMENT
MBA666A	IME	PROJECT MANAGEMENT
MBA667A	IME	DISCONTINUED
MBA668A	IME	DISCONTINUED
MBA671	IME	MANAGING SERVICE OPERATIONS
MBA671A	IME	MANAGING SERVICE OPERATIONS
MBA675	IME	INFRASTRUCTURE REGULATION, POLICY & FINANCE
MBA675A	IME	INFRASTRUCTURE REGULATION, POLICY & FINANCE
MBA676	IME	SECURITY ANALYSIS, DERIVATIVES & PORTFOLIO MANAGEMENT
MBA676A	IME	SECURITY ANALYSIS, DERIVATIVES & PORTFOLIO MANAGEMENT
MBA677	IME	PROJECT FINANCING & MANAGEMENT
MBA677A	IME	PROJECT FINANCING & MANAGEMENT
MBA678	IME	MANAGEMENT OF RISK IN FINANCIAL SYSTEM
MBA678A	IME	MANAGEMENT OF RISK IN FINANCIAL SYSTEM
MBA679	IME	COMMERCIAL BANKING, RISK MODELING AND RISK MANAGEMENT
MBA679A	IME	COMMERCIAL BANKING, RISK MODELING AND RISK MANAGEMENT
MBA680	IME	ENTREPRENEURIAL FINANCE
MBA681	IME	ENERGY AND CARBON MARKETS: ECONOMICS, POLICY AND REGULATION
MBA681A	IME	ENERGY AND CARBON MARKETS: ECONOMICS, POLICY AND REGULATION
MBA683	IME	POWER SECTOR REFORM & REFORM AND REGULATION
MBA683A	IME	POWER SECTOR REFORM & REGULATION: THEORY AND PRACTICE
MBA684	IME	SALES AND DISTRIBUTION MANAGEMENT
MBA684A	IME	SALES AND DISTRIBUTION MANAGEMENT
MBA685A	IME	PRODUCT & BRAND MANAGEMENT
MBA687A	IME	SUMMER INTERNSHIP
MBA697	IME	SUMMER PROJECT
MBA697A	IME	SUMMER PROJECT
MBA698	IME	MANAGEMENT SEMINARS
MBA698A	IME	MANAGEMENT SEMINARS
MBA699	IME	PROJECT I
MBA699.	IME	PROJECT I
MBA699A	IME	CAPSTONE PROJECT
MBA699B	IME	CAPSTONE PROJECT
MBA701A	IME	CAPSTONE PROJECT I
MBA702A	IME	CAPSTONE PROJECT II
MBA703A	IME	CAPSTONE PROJECT III
MBA704A	IME	CAPSTONE PROJECT IV
MBA711A	IME	CHANGE MANAGEMENT AND ORGANIZATIONAL DEVELOPMENT
MBA712A	IME	ORGANIZATIONAL STAFFING
MBA713A	IME	PERFORMANCE MANAGEMENT
MBA714A	IME	INTRODUCTION TO BUSINESS MANAGEMENT (IBM)
MBA715A	IME	EMPLOYMENT RELATIONS UNDER GLOBALISATION
MBA716A	IME	INTRODUCTION TO CORPORATIONS
MBA717A	IME	GOVERNANCE OF GLOBAL VALUE CHAINS
MBA721A	IME	INNOVATION AND MANAGEMENT OF TECHNOLOGY
MBA722A	IME	INNOVATION AND ENTREPRENEURIAL STARTUPS
MBA732A	IME	PRODUCT STRATEGY AND MANAGEMENT
MBA733A	IME	BRAND MANAGEMENT
MBA741A	IME	INTRODUCTION TO E - COMMERCE
MBA742A	IME	ERP: A MANAGERIAL PERSPECTIVE
MBA743A	IME	MBA GLOBAL SOURCING OF IT
MBA744A	IME	BUSINESS PROCESS MODELLING
MBA745A	IME	BUSINESS PROCESS PATTERNS

MBA746A	IME	E-SUPPLY CHAIN MANAGEMENT
MBA747A	IME	BUSINESS MANAGEMENT USING CLOUD
MBA748A	IME	BIG DATA FOR MANAGEMENT
MBA749A	IME	SOCIAL MEDIA ANALYTICS I
MBA751A	IME	MARKETING ANALYTICS
MBA761A	IME	MANUFACTURING PLANNING AND CONTROL I
MBA762A	IME	MANUFACTURING PLANNING AND CONTROL II
MBA765A	IME	STRATEGIC ISSUES IN MANUFACTURING I
MBA766A	IME	STRATEGIC ISSUES IN MANUFACTURING II
MBA771A	IME	SECURITY ANALYSIS & PORTFOLIO MANAGEMENT
MBA772A	IME	DERIVATIVE CONTRACTS
MBA773A	IME	FINANCIAL INTERMEDIATION & COMMERCIAL BANKING
MBA774A	IME	CREDIT RISK MANAGEMENT & MODELLING
MBA775A	IME	ADVANCED CORPORATE FINANCE
MBA781A	IME	PUBLIC PRIVATE PARTNERSHIP (PPP) IN INFRASTRUCTURE
MBA782A	IME	RENEWABLE ENERGY - ECONOMICS, POLICY AND REGULATION
VLM601	IME	PRODUCT DESIGN AND NEW PRODUCT MANAGEMENT
VLM602	IME	SUPPLY CHAIN MANAGEMENT
VLM603	IME	ADVANCE MATERIALS
VLM604	IME	AUTOMATION & ROBOTICS IN MANUFACTURING
VLM605	IME	COMPUTER INTEGRATED MANUFACTURING SYSTEMS
VLM606	IME	DATA ANALYSIS AND DECISION MAKING
LT601	LT	INTRODUCTION TO LASERS
LT611	LT	LASER SYSTEMS AND APPLICATIONS
LT631	LT	INTRODUCTION TO COHERENT AND LASER OPTICS
LT680	LT	M TECH LAB TECHNIQUES
LT699	LT	M TECH THESIS
CE626A	MCH	BRIDGE ENGINEERING AND DESIGN
DES601	MDES	DESIGN THEORY
DES601A	MDES	DESIGN THEORY
DES602	MDES	DESIGN PRACTICE I
DES602A	MDES	DESIGN PRACTICE I
DES603	MDES	DESIGN PRACTICE II
DES603A	MDES	DESIGN PRACTICE II
DES604	MDES	DESIGN THINKING & RESEARCH METHODS
DES604A	MDES	DESIGN THINKING & RESEARCH METHODS
DES605	MDES	PRODUCT DESIGN AND PROTOTYPING
DES605A	MDES	PRODUCT DESIGN AND PROTOTYPING
DES606	MDES	INTERACTION DESIGN FOR PHYSICAL PRODUCTS
DES606A	MDES	INTERACTION DESIGN FOR PHYSICAL PRODUCTS
DES621	MDES	CREATIVE VISUALIZATION
DES621A	MDES	CREATIVE VISUALIZATION
DES623	MDES	TOPICS IN MOTION PICTURES
DES623A	MDES	TOPICS IN MOTION PICTURES
DES624	MDES	ELEMENTS AND PRINCIPAL OF DESIGN
DES624A	MDES	ELEMENTS AND PRINCIPAL OF DESIGN
DES625	MDES	FORM AND STYLE
DES625A	MDES	FORM AND STYLE
DES626	MDES	INTERACTION DESIGN
DES626A	MDES	INTERACTION DESIGN
DES627	MDES	MANAGEMENT OF DESIGN AND INNOVATION
DES627A	MDES	MANAGEMENT OF DESIGN AND INNOVATION
DES628	MDES	DESIGN, CULTURE AND SOCIETY
DES628A	MDES	DESIGN, CULTURE AND SOCIETY
DES629	MDES	INTRODUCTION TO CRITICAL ART APPRECIATION
DES630	MDES	FUNDAMENTALS OF GRAPHICS
DES630A	MDES	FUNDAMENTALS OF GRAPHICS
DES631	MDES	PSYCHOLOGICAL PRINCIPLES AND DESIGN
DES633	MDES	INTEGRATED PRODUCT DEVELOPMENT-I
DES633A	MDES	INTEGRATED PRODUCT DEVELOPMENT-I
DES634	MDES	ELECTRONICS FOR DESIGNERS

DES635	MDES	METHODS FOR DESIGN RESEARCH
DES635A	MDES	METHODS FOR DESIGN RESEARCH
DES681	MDES	DESIGN PROJECT I
DES681A	MDES	DESIGN PROJECT I
DES682	MDES	DESIGN PROJECT II
DES682A	MDES	DESIGN PROJECT II
DES689	MDES	TOPICS IN DESIGN
DES689A	MDES	TOPICS IN DESIGN
DES698	MDES	SPECIAL STUDIES/PROJECT COURSES IN DESIGN
DES698A	MDES	SPECIAL STUDIES/PROJECT COURSES IN DESIGN
DES699	MDES	M DES THESIS
DES699B	MDES	M DES THESIS
IDC603A	ME	ENGLISH PROFICIENCY AND SCHOLARLY COMMUNICATION
IDC604A	ME	INTRODUCTION TO HYDRODYNAMIC STABILITY
ME600	ME	COMMUNICATION SKILLS FOR ENGINEERS
ME600A	ME	COMMUNICATION SKILLS FOR ENGINEERS
ME601A	ME	LANGUAGE AND STYLE OF SCHOLARLY COMMUNICATION
ME613	ME	THERMAL ENVIROMENTAL CONTROL
ME613A	ME	THERMAL ENVIROMENTAL CONTROL
ME617	ME	ADVANCED THEORY OF TURBOMACHINERY
ME617A	ME	ADVANCED THEORY OF TURBOMACHINERY
ME620A	ME	RADIATION INTERACTION, DETECTION, AND SHIELDING- THEORY ON NUCLEAR MEASUREM
ME621	ME	INTRODUCTION TO SOLID MECHANICS
ME621A	ME	INTRODUCTION TO SOLID MECHANICS
ME622	ME	THEORY OF ELASTICITY
ME622A	ME	INTRODUCTION TO CONTINUUM MECHANICS
ME623	ME	FINITE ELEMENT METHODS IN ENGINEERING MECHANICS
ME623A	ME	FINITE ELEMENT METHODS IN ENGINEERING MECHANICS
ME624	ME	CALCULUS OF VARIATIONS
ME624A	ME	CALCULUS OF VARIATIONS
ME625	ME	APPLIED DYNAMICS AND VIBRATIONS
ME625A	ME	APPLIED DYNAMICS AND VIBRATIONS
ME626	ME	VIBRATION OF CONTINUOUS SYSTEM
ME626A	ME	VIBRATION OF CONTINUOUS SYSTEMS
ME627	ME	NON-LINEAR VIBRATION
ME627A	ME	NONLINEAR VIBRATION
ME630	ME	NUMERICAL FLUID FLOW AND HEAT TRANSFER
ME630A	ME	COMPUTATIONAL FLUID DYNAMICS AND HEAT TRANSFER
ME631	ME	VISCOUS FLOW THEORY
ME631A	ME	VISCOUS FLOW THEORY
ME632A	ME	GEOPHYSICAL FLUID DYNAMICS
ME634	ME	ADVANCED COMPUTATIONAL FLUID DYNAMICS
ME634A	ME	ADVANCED COMPUTATIONAL FLUID DYNAMICS
ME639	ME	LIQUID VAPOUR PHASE CHANGE PHENOMENA
ME639A	ME	LIQUID-VAPOUR PHASE CHANGE TECHNOLOGY
ME641	ME	CONDUCTION AND RADIATION
ME641A	ME	CONDUCTION AND RADIATION
ME642	ME	CONVECTIVE HEAT AND MASS TRANSFER
ME642A	ME	CONVECTIVE HEAT AND MASS TRANSFER
ME643	ME	COMBUSTION AND ENVIROMENT
ME643A	ME	COMBUSTION
ME645	ME	SOLAR ENERGY TECHNOLOGY
ME645A	ME	SOLAR ENERGY TECHNOLOGY
ME647	ME	INTRODUCTION TO TURBULENT FLUID MECHANICS
ME647A	ME	INTRODUCTION TO TURBULENT FLOW
ME648	ME	COMPUTER AIDED DESIGN OF THERMAL SYSTEMS
ME648A	ME	COMPUTER AIDED DESIGN OF THERMAL SYSTEMS
ME649	ME	EXPERIMENTAL METHODS IN THERMAL SCIENCES
ME649A	ME	EXPERIMENTAL METHODS IN THERMAL SCIENCES
ME652	ME	PRINCIPLES OF DYNAMICS
ME654	ME	MECHANICS OF GROUND VEHICLES

ME658	ME	NUMERICAL CONTROL OF MACHINE TOOLS
ME660A	ME	RAILROAD VEHICLE DYNAMICS
ME661	ME	MACHINING SCIENCE I
ME661A	ME	MACHINING SCIENCE I
ME662	ME	MACHINING SCIENCE II
ME662A	ME	MACHINING SCIENCE II
ME663	ME	METAL FORMING
ME663A	ME	METAL FORMING
ME664	ME	FUNDAMENTALS OF CASTING & SOLIDIFICATION
ME664A	ME	FUNDAMENTALS OF CASTING & SOLIDIFICATION
ME665	ME	MICROMACHINING
ME665A	ME	MICROMACHINING
ME667	ME	ADHESION, FRICTION AND LUBRICATION FOR MICROMACHINES
ME667A	ME	ADHESION, FRICTION AND LUBRICATION FOR MICROMACHINES
ME668A	ME	MACHINING DYNAMICS
ME669A	ME	MODELING THERMAL TRANSPORT IN MANUFACTURING PROCESSES
ME670	ME	ADDITIVE MANUFACTURING
ME670A	ME	ADDITIVE MANUFACTURING
ME671	ME	EXPERIMENTAL STRESS ANALYSIS
ME672	ME	MICROMANUFACTURING PROCESSES
ME673	ME	FLOW, HEAT & MASS TRANSFER THROUGH POROUS MEDIA
ME673A	ME	TRANSPORT IN POROUS MEDIA
ME675	ME	NEW PRODUCT DESIGN AND PROTOTYPING
ME675A	ME	NEW PRODUCT DESIGN AND PROTOTYPING
ME676	ME	NON - LINEAR FINIT METHODS IN SOLID MECHANICS
ME676A	ME	NON - LINEAR FINIT METHODS IN SOLID MECHANICS
ME681	ME	MATHEMATICS FOR ENGINEERS
ME681A	ME	MATHEMATICS FOR ENGINEERS
ME682	ME	DIFFERENCE EQUATIONS FOR ENGINEERS
ME682A	ME	DIFFERENCE EQUATIONS FOR ENGINEERS
ME684	ME	BIOFLUID MECHANICS
ME684A	ME	BIOFLUID MECHANICS
ME685	ME	APPLIED NUMERICAL METHODS
ME685A	ME	APPLIED NUMERICAL METHODS
ME689	ME	MICROSCALE THERMAL ENGINEERING
ME689A	ME	MICROSCALE THERMAL ENGINEERING
ME690	ME	ALTERNATIVE FUELS & ADVANCE IN IC ENGINES
ME690A	ME	ALTERNATIVE FUELS & ADVANCE IN IC ENGINES
ME691	ME	ENGINE MANAGEMENT
ME691A	ME	ENGINE MANAGEMENT
ME698	ME	INTRODUCTION HYDRODYNAMIC STABILITY
ME698A	ME	INTRODUCTION HYDRODYNAMIC STABILITY
ME698B	ME	GEOPHYSICAL FLUID DYNAMICS
ME698C	ME	MECHANICS OF ICE
ME698D	ME	SPECIAL TOPICS : MICROMACHINING
ME698E	ME	FABRICATION AND MECHANICS OF THIN FILMS
ME698F	ME	HYDRODYNAMICS INSTABILITY
ME698G	ME	PHASE TRANSFORMATION
ME698H	ME	VISCOELASTICITY
ME698I	ME	CONTACT MECHANICS
ME698J	ME	FABRIONICS
ME698K	ME	NON LINEAR ELASTICITY
ME698L	ME	MECHANICS OF THIN STRUCTURES
ME698M	ME	NON - LINEAR FINITE ELEMENT TECHNIQUES IN SOLID MECHANICS
ME698N	ME	NON - LINEAR FINITE ELEMENT TECHNIQUES IN SOLID MECHANICS
ME698O	ME	GEOPHYSICAL FLUID DYNAMICS
ME698P	ME	RAILROAD VEHICLE MECHANICS
ME698Q	ME	NON LINEAR ELASTICITY
ME698R	ME	MONTECARLO METHOD FOR PARTICLE TRANSPORT
ME698S	ME	MACHINING DYNAMICS
ME699	ME	M TECH THESIS

ME699.	ME	M TECH THESIS (FOR DUAL DEGREE ONLY)
ME701	ME	DESIGN FOR MANUFACTURE & ASSEMBLY
ME701A	ME	DESIGN FOR MANUFACTURE & ASSEMBLY
ME720	ME	THERMODYNAMICS OF CONTINUOUS MEDIA
ME721	ME	THEORY OF PLASTICITY
ME721A	ME	THEORY OF PLASTICITY
ME722	ME	DYNAMIC FRACTURE MECHANICS
ME722A	ME	DYNAMIC FRACTURE MECHANICS
ME723	ME	WAVE PROPAGATION IN SOLIDS
ME723A	ME	WAVE PROPAGATION IN SOLIDS
ME724	ME	MECHANICS OF BIOLOGICAL MEMBRANES
ME724A	ME	MECHANICS OF BIOLOGICAL MEMBRANES
ME725	ME	MICRO-MECHANICS
ME725A	ME	MICROMECHANICS
ME726	ME	HAMILTONIAN MECHANICS AND SYMPLECTIC ALGORITHMS
ME726A	ME	HAMILTONIAN MECHANICS AND SYMPLECTIC ALGORITHMS
ME727	ME	COMPOSITE MATERIALS
ME727A	ME	COMPOSITE MATERIALS
ME728	ME	FRACTURE AND FATIGUE
ME728A	ME	FRACTURE AND FATIGUE
ME729	ME	MODELLING OF MECHANICAL PROPERTIES OF MATERIALS
ME729A	ME	MODELLING OF MECHANICAL PROPERTIES OF MATERIALS
ME730	ME	MODAL ANALYSIS: THEORY AND PRACTICE
ME730A	ME	MODAL ANALYSIS: THEORY AND PRACTICE
ME741	ME	COMBUSTION ENGINES & AIR POLLUTION
ME741A	ME	COMBUSTION ENGINES & AIR POLLUTION
ME742	ME	BOILING & CONDENSATION
ME742A	ME	BOILING AND CONDENSATION
ME743	ME	FUEL CELLS
ME744	ME	Combustion and Reacting Flow
ME745A	ME	MODELING OF TURBULENT COMBUSTION
ME751	ME	COMPUTER AIDED ENGINEERING DESIGN
ME751A	ME	COMPUTER AIDED ENGINEERING DESIGN
ME752	ME	OPTIMIZATION METHODS IN ENGINEERING DESIGN
ME752A	ME	OPTIMIZATION METHODS IN ENGINEERING DESIGN
ME756	ME	VIBRATION CONTROL
ME756A	ME	VIBRATION CONTROL
ME757	ME	DYNAMICS OF ROTATING MACHINERY
ME757A	ME	DYNAMICS OF ROTATING MACHINERY
ME759	ME	ADVANCED TOPICS IN NON TRADITIONAL MACHINING PROCESS
ME761	ME	COMPUTER AIDED MANUFACTURING
ME761A	ME	COMPUTER AIDED MANUFACTURING
ME762	ME	INTRODUCTION TO ROBOTICS
ME762A	ME	INTRODUCTION TO ROBOTICS
ME763	ME	ROBOT MANIPULATORS: DYNAMICS AND CONTROL
ME763A	ME	ROBOT MANIPULATORS: DYNAMICS AND CONTROL
ME765	ME	MANUFACTURING AUTOMATION
ME765A	ME	MANUFACTURING AUTOMATION
ME766	ME	ROBOT MOTION PLANNING
ME766A	ME	ROBOT MOTION PLANNING
ME767	ME	EVOLUTIONARY ALGORITHMS IN SEARCH & OPTIMIZATION
ME769	ME	ADVANCED TOPICS IN ROBOTICS
ME769A	ME	ADVANCED TOPICS IN ROBOTICS
ME770	ME	MATERIALS SELECTION IN MECHANICAL DESIGN
ME770A	ME	MATERIALS SELECTION IN MECHANICAL DESIGN
ME771	ME	SMART MATERIALS AND STRUCTURE
ME771A	ME	SMART MATERIALS AND STRUCTURE
ME772A	ME	MECHATRONICS
ME773	ME	GRANULAR MATERIALS
ME773A	ME	GRANULAR MATERIALS
ME774	ME	BIOMEMS AND MICROSYSTEMS TECHNOLOGY

ME774A	ME	BIOMEMS AND MICROSYSTEMS TECHNOLOGY
ME778	ME	ENGINEERING ACOUSTICS AND ITS CONTROL
ME778A	ME	ENGINEERING ACOUSTICS AND ITS CONTROL
ME779	ME	RAPID PROTOTYPING & TOOLING TECH.
ME781	ME	APPROXIMATE METHODS IN ENGINEERING MATHEMATICS
ME781A	ME	APPROXIMATE METHODS IN ENGINEERING MATHEMATICS
ME850	ME	BASIC CONTROL SYSTEMS FOR MECHANICAL ENGINEERS
ME850A	ME	BASIC CONTROL SYSTEM FOR MECHANICAL ENGINEERS
ME851	ME	COMPLIANT MECHANISMS
ME851A	ME	COMPLIANT MECHANISMS
ME899	ME	MS - RESEARCH THESIS
NT611	ME	NUCLEAR POWER ENGINEERING I
NT642	ME	NON-DESTRUCTIVE EVALUATION
MME601	MME	DISPLAY MATERIALS & TECHNOLOGIES
MME603	MME	NON EQUILIBRIUM PROCESSING OF MATERIALS
MME605	MME	SURFACE PHENOMENA AND CHARACTERIZATION
MME607	MME	COMPUTING APPLICATIONS IN METALLURGY
MME613	MME	ELECTROCHEMICAL TECHNOLOGY IN MATERIALS PROCESSING
MME626	MME	HEAT AND MASS TRANSFER
MME630	MME	ADVANCES IN IRON AND STEEL MAKING
MME646	MME	X-RAY CRYSTALLOGRAPHY - I
MME650	MME	FUNDAMENTALS OF STEREOLOGY & APPLICATIONS TO MICROSTRUCTURAL ANALYSIS
MME655	MME	MODERN TRENDS IN METAL FORMING PROCESSES
MME658	MME	DISLOCATIONS AND PLASTICITY
MME667	MME	SELECTION AND DESIGNING WITH ENGINEERING MATERIALS
MME668	MME	MATERIALS FOR BIOMEDICAL APPLICATIONS
MME670	MME	SOLIDIFICATION PROCESSING
MME672	MME	Advanced Structural Ceramics
MME674	MME	DESIGN OF SINTERED PRODUCTS
MME680	MME	GRAIN BOUNDARY ENGINEERING
MME681	MME	SOLAR ENERGY TECHNOLOGIES AND MATERIALS
MME685	MME	THIN FILM PHYSICS & APPLICATIONS
MME686	MME	SEMI CONDUCTOR DEVICES AND PROCESSING
MME688	MME	Nanomaterials: Processing and Properties
MME690	MME	SEMINAR PARTICIPATION
MME690.	MME	SEMINAR PARTICIPATION
MME691	MME	SEMINAR PRESENTATION
MME693	MME	MATERIALS SCIENCE TECHNOLOGIES FOR APPLICATIONS IN LIFE SCIENCES
MME694	MME	NANOSTRUCTURES AND NANOMATERIALS: CHARACTERIZATION AND PROPERTIES
MME695	MME	DiiTraction and Spectroscopy Techniques for Surface
MME698	MME	SEMINAR PARTICIPATION
MME699	MME	M TECH THESIS
MS601	MS	STRUCTURAL & MAGNETIC PROPERTIES OF MATERIALS
MS601A	MS	STRUCTURAL & MAGNETIC PROPERTIES OF MATERIALS
MS602	MS	ELECTRICAL AND DIELECTRIC MATERIALS
MS602A	MS	ELECTRICAL AND DIELECTRIC MATERIALS
MS603	MS	MECHANICAL PROPERTIES OF MATERIALS
MS603A	MS	MECHANICAL PROPERTIES OF MATERIALS
MS604	MS	CHARACTERIZATION OF MATERIALS
MS604A	MS	CHARACTERIZATION OF MATERIALS
MS605	MS	MATERIALS ENGINEERING
MS605A	MS	MATERIALS ENGINEERING
MS606	MS	ELECTRONIC MATERIALS
MS606A	MS	ELECTRONIC MATERIALS
MS608	MS	NANOSTRUCTURED MATERIALS : SCIENCE & APPLICATIONS
MS608A	MS	NANOSTRUCTURED MATERIALS : SCIENCE & APPLICATIONS
MS611	MS	MATERIALS FOR ENERGY CONVERSION & STORAGE
MS614	MS	ENGINEERING POLYMERS
MS617	MS	INTRODUCTION TO NANOMATERIALS AND NANOTECHNOLOGY
MS617A	MS	INTRODUCTION TO NANOMATERIALS AND NANOTECHNOLOGY
MS698	MS	GRADUATE SEMINAR



MSE698A	MS	GRADUATE SEMINAR
MSE699	MS	M TECH THESIS
MSE601	MSE	DISPLAY MATERIALS & TECHNOLOGIES
MSE601A	MSE	DISPLAY MATERIALS AND TECHNOLOGIES
MSE603	MSE	NON EQUILIBRIUM PROCESSING OF MATERIALS
MSE604	MSE	SCIENCE AND TECHNOLOGY OF THIN FILMS AND DEVICE FABRICATION
MSE604A	MSE	SCIENCE AND TECHNOLOGY OF THIN FILMS AND DEVICE FABRICATION
MSE605	MSE	SURFACE PHENOMENA AND CHARACTERIZATION
MSE605A	MSE	SURFACE PHENOMENA AND CHARACTERIZATION
MSE607	MSE	COMPUTING APPLICATIONS IN METALLURGY
MSE608	MSE	MICROSTRUCTURE MODELLING AND SIMULATION
MSE608A	MSE	MICROSTRUCTURE MODELLING AND SIMULATION
MSE611A	MSE	CORROSION AND OXIDATION OF METALS AND ALLOYS
MSE613	MSE	ELECTROCHEMICAL TECHNOLOGY IN MATERIALS PROCESSING
MSE613A	MSE	ELECTROCHEMICAL TECHNOLOGY IN MATERIALS PROCESSING
MSE615	MSE	STRUCTURE AND CHARACTERIZATION OF MATERIALS
MSE615A	MSE	STRUCTURE AND CHARACTERIZATION OF MATERIALS
MSE616	MSE	THERMODYNAMICS OF MATERIALS
MSE616A	MSE	THERMODYNAMICS OF MATERIALS
MSE617	MSE	MATHEMATICS AND COMPUTATIONAL METHODS
MSE617A	MSE	MATHEMATICS AND COMPUTATIONAL METHODS
MSE621	MSE	XPS AND AES IN STUDY OF SURFACE AND THIN FILMS
MSE621A	MSE	XPS AND AES IN STUDY OF SURFACE AND THIN FILMS
MSE622A	MSE	OPTICAL SPECTROSCOPY IN MATERIALS SCIENCE
MSE624	MSE	ENERGY MATERIALS AND TECHNOLOGIES
MSE624A	MSE	ENERGY MATERIALS AND TECHNOLOGIES
MSE626	MSE	HEAT AND MASS TRANSFER
MSE626A	MSE	TRANSPORT PHENOMENA
MSE626N	MSE	TRANSPORT PHENOMENA
MSE628	MSE	ELECTRONIC DEVICES AND CHARACTERIZATION
MSE628A	MSE	ELECTRONIC DEVICES AND CHARACTERIZATION
MSE629	MSE	PHYSICAL & MATHEMATICAL MODELLING OF STEELMAKING PROCESSES
MSE629A	MSE	PHYSICAL & MATHEMATICAL MODELLING OF STEELMAKING PROCESSES
MSE630	MSE	ADVANCES IN IRON AND STEEL MAKING
MSE631	MSE	ELECTROCERAMIC MATERIALS AND APPLICATIONS
MSE631A	MSE	ELECTROCERAMIC MATERIALS AND APPLICATIONS
MSE634	MSE	FUNDAMENTALS OF SPRAY TECHNIQUES
MSE634A	MSE	FUNDAMENTALS OF SPRAY TECHNIQUES
MSE637	MSE	Nanotribology and Nanomechanics
MSE638	MSE	SYMMETRY AND PROPERTIES OF CRYSTALS
MSE638A	MSE	SYMMETRY AND PROPERTIES OF CRYSTALS
MSE639A	MSE	INTERFACES AND MATERIALS PROPERTIES
MSE642	MSE	MICROSCOPY AND MICROANALYSIS OF MATERIALS
MSE642A	MSE	MICROSCOPY AND MICROANALYSIS OF MATERIALS
MSE646	MSE	X-RAY CRYSTALLOGRAPHY - I
MSE648	MSE	DIFFUSION IN SOLIDS
MSE648A	MSE	DIFFUSION IN SOLIDS
MSE650	MSE	FUNDAMENTALS OF STEREOLOGY & APPLICATIONS TO MICROSTRUCTURAL ANALYSIS
MSE650A	MSE	FUNDAMENTALS OF STEREOLOGY & APPLICATIONS TO MICROSTRUCTURAL ANALYSIS
MSE653	MSE	TRANSMISSION ELECTRON MICROSCOPY & NANO-ANALYSIS OF MATERIALS
MSE653A	MSE	TRANSMISSION ELECTRON MICROSCOPY & NANO-ANALYSIS OF MATERIALS
MSE655	MSE	MODERN TRENDS IN METAL FORMING PROCESSES
MSE657	MSE	Deformation Processing
MSE658	MSE	DISLOCATIONS AND PLASTICITY
MSE658A	MSE	DISLOCATIONS AND PLASTICITY
MSE659	MSE	POWDER METALLURGY
MSE659A	MSE	POWDER METALLURGY
MSE661A	MSE	FRACTURE, FATIGUE AND CREEP: MATERIALS AND MODELS
MSE663	MSE	ELECTRICAL AND MAGNETIC PROPERTIES OF CERAMIC MATERIALS
MSE664	MSE	SOLID STATE IONICS
MSE664A	MSE	SOLID STATE IONICS

MSE665	MSE	PRACTICAL TRANSMISSION ELECTRON MICROSCOPY & NANOANALYSIS OF MATERIALS
MSE665A	MSE	PRACTICAL TRANSMISSION ELECTRON MICROSCOPY & NANOANALYSIS OF MATERIALS
MSE666	MSE	SCIENCE AND TECHNOLOGY OF MAGNETIC MATERIALS
MSE667	MSE	SELECTION AND DESIGNING WITH ENGINEERING MATERIALS
MSE667A	MSE	SELECTION AND DESIGNING WITH ENGINEERING MATERIALS
MSE668	MSE	MATERIALS FOR BIOMEDICAL APPLICATIONS
MSE670	MSE	SOLIDIFICATION PROCESSING
MSE670A	MSE	SOLIDIFICATION PROCESSING
MSE671	MSE	HEAT TREATMENT AND SURFACE HARDENING
MSE671A	MSE	HEAT TREATMENT AND SURFACE HARDENING
MSE672A	MSE	INTRODUCTION TO LIGHTWEIGHT ALLOYS FOR AUTOMOBILE APPLICATIONS
MSE674	MSE	DESIGN OF SINTERED PRODUCTS
MSE675A	MSE	SURFACE ENGINEERING
MSE676	MSE	MATERIALS FAILURE: ANALYSIS AND PREVENTION
MSE676A	MSE	MATERIALS FAILURE: ANALYSIS AND PREVENTION
MSE680	MSE	GRAIN BOUNDARY ENGINEERING
MSE680A	MSE	GRAIN BOUNDARY ENGINEERING
MSE681	MSE	SOLAR ENERGY TECHNOLOGIES AND MATERIALS
MSE681A	MSE	SOLAR ENERGY TECHNOLOGIES AND MATERIALS
MSE682	MSE	COMPUTER SIMULATIONS IN MATERIALS SCIENCE
MSE682A	MSE	COMPUTER SIMULATIONS IN MATERIALS SCIENCE
MSE683	MSE	CRYSTALLOGRAPHIC TEXTURE & MICROSTRUCTURAL ENGINEERING
MSE683A	MSE	CRYSTALLOGRAPHIC TEXTURE & MICROSTRUCTURAL ENGINEERING
MSE685	MSE	THIN FILM PHYSICS & APPLICATIONS
MSE686	MSE	SEMI CONDUCTOR DEVICES AND PROCESSING
MSE688	MSE	NANOMATERIALS: PROCESSING AND PROPERTIES
MSE689	MSE	MULTI FUNCTIONAL OXIDES: THIN FILMS & DEVICE
MSE689A	MSE	MULTI FUNCTIONAL OXIDES: THIN FILMS & DEVICE
MSE690	MSE	SEMINAR PARTICIPATION
MSE690A	MSE	SEMINAR PARTICIPATION
MSE691	MSE	SEMINAR PRESENTATION
MSE691A	MSE	SEMINAR PRESENTATION
MSE693	MSE	MATERIALS SCIENCE TECHNOLOGIES FOR APPLICATIONS IN LIFE SCIENCES
MSE693A	MSE	MATERIALS SCIENCE TECHNOLOGIES FOR APPLICATIONS IN LIFE SCIENCES
MSE693N	MSE	MATERIALS SCIENCE TECHNOLOGIES FOR APPLICATIONS IN LIFE SCIENCES
MSE694	MSE	NANOSTRUCTURES AND NANOMATERIALS: CHARACTERIZATION AND PROPERTIES
MSE694A	MSE	NANOSTRUCTURES AND NANOMATERIALS: CHARACTERIZATION AND PROPERTIES
MSE695	MSE	DIFFRACTION AND SPECTROSCOPY TECHNIQUES FOR SURFACE CHARACTERISATION
MSE698	MSE	SEMINAR PARTICIPATION
MSE699	MSE	M.TECH THESIS
MSE699.	MSE	M TECH THESIS (FOR DUAL DEGREE ONLY)
MTH603	MTH	MATHEMATICAL MODELLING
MTH603A	MTH	MATHEMATICAL MODELLING
MTH606	MTH	BIOMATHEMATICS
MTH607A	MTH	DIFFERENTIAL CALCULATION ON $R^n$
MTH610	MTH	APPLIED MATRIX THEORY
MTH610A	MTH	APPLIED MATRIX THEORY
MTH611	MTH	ALGEBRA II
MTH611A	MTH	ALGEBRA II
MTH612	MTH	INTRODUCTION TO COMMUTATIVE ALGEBRA
MTH612A	MTH	INTRODUCTION TO COMMUTATIVE ALGEBRA
MTH613A	MTH	RINGS AND MODULES
MTH620	MTH	MEASURE THEORY
MTH620A	MTH	MEASURE THEORY
MTH621	MTH	FOURIER ANALYSIS
MTH621A	MTH	FOURIER ANALYSIS
MTH622	MTH	FRACTAL INTERPOLATION AND APPLICATIONS
MTH622A	MTH	FRACTAL INTERPOLATION AND APPLICATIONS
MTH624	MTH	DIFFERENTIABLE MANIFOLDS AND LIE GROUPS
MTH624A	MTH	DIFFERENTIABLE MANIFOLDS AND LIE GROUPS
MTH627	MTH	APPLIED HARMONIC ANALYSIS

MTH628	MTH	TOPICS IN TOPOLOGY
MTH628A	MTH	TOPICS IN TOPOLOGY
MTH631	MTH	APPROXIMATION THEORY
MTH631A	MTH	APPROXIMATION THEORY
MTH632	MTH	SPECTRAL THEORY FOR SELF-ADJOINT OPERATORS
MTH632A	MTH	SPECTRAL THEORY FOR SELF-ADJOINT OPERATORS
MTH633	MTH	INTRODUCTION TO HYPERBOLIC GEOMETRY
MTH633A	MTH	INTRODUCTION TO HYPERBOLIC GEOMETRY
MTH634	MTH	BASES IN LOCALLY CONVEX SPACES AND KOETHE SEQUENCE SPACES
MTH635	MTH	AN INTRODUCTION TO OPERATOR THEORY
MTH635A	MTH	AN INTRODUCTION TO OPERATOR THEORY
MTH637	MTH	TOPICS IN OPERATOR THEORY AND HARMONIC ANALYSIS
MTH637A	MTH	TOPICS IN OPERATOR THEORY AND HARMONIC ANALYSIS
MTH638	MTH	ABSTRACT HARMONIC ANALYSIS
MTH638A	MTH	ABSTRACT HARMONIC ANALYSIS
MTH639	MTH	LOCALLY CONVEX SPACES
MTH639A	MTH	LOCALLY CONVEX SPACES
MTH640	MTH	SEVERAL COMPLEX VARIABLES
MTH640A	MTH	SEVERAL COMPLEX VARIABLES
MTH641	MTH	INTRODUCTION TO LIE ALGEBRAS AND REPRESENTATION THEORY
MTH641A	MTH	INTRODUCTION TO LIE ALGEBRAS AND REPRESENTATION THEORY
MTH642A	MTH	TOPICS IN MODEL THEORY
MTH644	MTH	COMPLEX FUNCTION THEORY
MTH647	MTH	COMPLEX ANALYTIC DYNAMICS AND FRACTALS
MTH647A	MTH	COMPLEX ANALYTIC DYNAMICS AND FRACTALS
MTH648	MTH	DIFFERENTIAL GEOMETRY
MTH648A	MTH	DIFFERENTIAL GEOMETRY
MTH649	MTH	ALGEBRAIC TOPOLOGY
MTH649A	MTH	ALGEBRAIC TOPOLOGY
MTH652	MTH	ADVANCED CALCULUS
MTH652A	MTH	ADVANCED CALCULUS
MTH653	MTH	INTEGRAL EQUATIONS
MTH653A	MTH	INTEGRAL EQUATIONS
MTH654A	MTH	A COURSE IN OPERATOR THEORY
MTH656	MTH	SOBOLEV SPACES AND APPLICATIONS
MTH656A	MTH	SOBOLEV SPACES AND APPLICATIONS
MTH657	MTH	GRAPH THEORY
MTH657A	MTH	GRAPH THEORY
MTH658	MTH	NONLINEAR DYNAMICAL SYSTEMS
MTH658A	MTH	NONLINEAR DYNAMICAL SYSTEMS
MTH659A	MTH	NONLINEAR ANALYSIS AND ITS APPLICATIONS TO PDE
MTH661A	MTH	INTRODUCTION TO SHEAVES AND TOPOS THEORY
MTH663	MTH	ANALYTICAL TECHNIQUES FOR PDE
MTH663A	MTH	ANALYTICAL TECHNIQUES FOR PDE
MTH664	MTH	TRIBOLOGY
MTH664A	MTH	TRIBOLOGY
MTH665A	MTH	ASYMPTOTIC STATISTICS
MTH666A	MTH	CATEGORY THEORY
MTH667A	MTH	INTRODUCTION TO ALGEBRAIC GEOMETRY AND ALGEBRAIC GROUPS
MTH668A	MTH	INTRODUCTION TO ANALYTIC NUMBER THEORY
MTH671A	MTH	INTRODUCTION TO ARITHMETIC GEOMETRY
MTH672A	MTH	HARMONIC ANALYSIS ON POINCARÉ DISC
MTH673	MTH	ROBUST STATISTICAL METHODS
MTH673A	MTH	ROBUST STATISTICAL METHODS
MTH674A	MTH	VARIATIONAL METHODS IN PDE
MTH675A	MTH	GEOMETRY OF DIFFERENTIAL FORMS
MTH676	MTH	ECONOMETRICS
MTH676A	MTH	ECONOMETRICS
MTH677	MTH	SET THEORIES AND LOGICS
MTH679	MTH	SPATIO-TEMPORAL MODELS IN MATHEMATICAL BIOLOGY
MTH679A	MTH	SPATIO-TEMPORAL MODELS IN MATHEMATICAL BIOLOGY

MTH681	MTH	STATISTICAL DECISION THEORY
MTH682	MTH	ORDER STATISTICS
MTH682A	MTH	ORDER STATISTICS
MTH683	MTH	NON-PARAMETRIC INFERENCE
MTH684	MTH	STATISTICAL SIMULATION, DATA ANALYSIS AND MODEL BUILDING
MTH685	MTH	TIME SERIES ANALYSIS: FORECASTING AND CONTROL
MTH686	MTH	NON-LINEAR REGRESSION
MTH686A	MTH	NON-LINEAR REGRESSION
MTH687A	MTH	GRAPHS AND MATRICES
MTH688A	MTH	TOPICS IN ARITHMETIC
MTH689A	MTH	CORRESPONDS TO PARALLEL NUMERICAL ALGORITHM
MTH690A	MTH	PROBABILISTIC THEORY OF PATTERN RECOGNITION
MTH691	MTH	NUMERICAL LINEAR ALGEBRA
MTH691A	MTH	NUMERICAL LINEAR ALGEBRA
MTH692	MTH	NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS
MTH692A	MTH	NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS
MTH693	MTH	NUMERICAL SOLUTION OF PARTIAL DIFFERENTIAL EQUATIONS
MTH693A	MTH	NUMERICAL SOLUTION OF PARTIAL DIFFERENTIAL EQUATIONS
MTH694	MTH	COMPUTATIONAL FLUID DYNAMICS
MTH696	MTH	SPECTRAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS
MTH696A	MTH	SPECTRAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS
MTH697A	MTH	PROJECT-I
MTH698	MTH	PARALLEL NUMERICAL ALGORITHM
MTH698A	MTH	PROJECT II
MTH699	MTH	M TECH THESIS (FOR DUAL DEGREE ONLY)
MTH699A	MTH	PROJECT- III
MTH701	MTH	MODAL LOGIC
MTH701A	MTH	MODAL LOGIC
MTH705	MTH	WAVELET METHODS FOR ELLIPTIC PARTIAL DIFFERENTIAL EQUATIONS
MTH706	MTH	NUMERICAL ANALYSIS & SCIENTIFIC COMPUTING
MTH706A	MTH	NUMERICAL ANALYSIS & SCIENTIFIC COMPUTING
MTH711A	MTH	FINITE ELEMENT ERROR ESTIMATION
MTH712A	MTH	A FIRST COURSE IN ALGEBRAIC NUMBER THEORY
MTH715	MTH	FREDHOLM THEORY
MTH719	MTH	INTRODUCTION TO HOMOGENIZATION
MTH719A	MTH	INTRODUCTION TO HOMOGENIZATION
MTH720	MTH	NUMERICAL SOLUTION OF INTEGRAL EQUATIONS
MTH720A	MTH	NUMERICAL SOLUTION OF INTEGRAL EQUATIONS
MTH721	MTH	COMPUTATIONAL FINANCIAL MATHEMATICS-A PDE APPROACH
MTH721A	MTH	COMPUTATIONAL FINANCIAL MATHEMATICS-A PDE APPROACH
MTH723	MTH	PDE BASED IMAGE PROCESSING
MTH723A	MTH	PDE BASED IMAGE PROCESSING
MTH729	MTH	ERGODIC THEORY
MTH729A	MTH	ERGODIC THEORY
MTH732A	MTH	REPRESENTATION THEORY OF FINITE GROUPS
MTH733	MTH	REPRESENTATION THEORY OF LINEAR LIE GROUPS
MTH733A	MTH	REPRESENTATION THEORY OF LINEAR LIE GROUPS
MTH734	MTH	BANACH ALGEBRAS, C* ALGEBRAS AND SPECTRAL THEORY
MTH734A	MTH	BRANCH ALGEBRAS, C* ALGEBRAS AND SPECTRAL THEORY
MTH736	MTH	FOURIER ANALYSIS-I & DISTRIBUTION THEORY
MTH736A	MTH	FOURIER ANALYSIS-I & DISTRIBUTION THEORY
MTH739	MTH	TOPICS IN LIE GROUPS AND LIE ALGEBRAS
MTH751	MTH	ALGEBRA
MTH751A	MTH	ALGEBRA
MTH752	MTH	MATHEMATICAL METHODS
MTH752A	MTH	MATHEMATICAL METHODS
MTH753	MTH	ANALYSIS
MTH753A	MTH	ANALYSIS
MTH754	MTH	PROBABILITY THEORY
MTH754A	MTH	PROBABILITY THEORY
MTH755	MTH	STATISTICAL INFERENCE

MTH755A	MTH	STATISTICAL INFERENCE
MTH759	MTH	ALGEBRIC TOPOLOGY II
MTH759A	MTH	ALGEBRIC TOPOLOGY II
MTH761	MTH	VECTOR BUNDLES AND CHARACTERISTIC CLASSES
MTH761A	MTH	VECTOR BUNDLES AND CHARACTERISTIC CLASSES
MTH765	MTH	PROBABILISTIC TECHNIQUES IN ANALYSIS
MTH765A	MTH	PROBABILISTIC TECHNIQUES IN ANALYSIS
MTH770	MTH	NUMERICAL TECHNIQUES FOR NONLINEAR DYNAMICAL SYSTEMS
MTH770A	MTH	NUMERICAL TECHNIQUES FOR NONLINEAR DYNAMICAL SYSTEMS
MTH781	MTH	STATISTICAL PATTERN RECONGNITION
MTH781A	MTH	STATISTICAL PATTERN RECONGNITION
MTH784	MTH	STATISTICAL RELIABILITY THEORY
MTH784A	MTH	STATISTICAL RELIABILITY THEORY
MTH785	MTH	ECONOMETRIC THEORY
MTH800	MTH	RESEARCH
NE620A	NET	RADIATION INTERACTION, DETECTION, AND SHIELDING-THEORY ON NUCLEAR MEASUREME
NT602	NET	NUCLEAR AND REACTOR PHYSICS
NT602A	NET	NUCLEAR AND REACTOR PHYSICS
NT611A	NET	NUCLEAR POWER ENGINEERING I
NT614	NET	NUCLEAR POWER ENGINEERING II
NT614A	NET	NUCLEAR POWER ENGINEERING II
NT615	NET	NUCLEAR POWER ENGINEERING III
NT615A	NET	NUCLEAR POWER ENGINEERING III
NT620A	NET	RADIATION INTERACTION, DETECTION, AND SHIELDING-THEORY ON NUCLEAR MEASUREME
NT621	NET	NUCLEAR MEASUREMENTS LABORATORY
NT621A	NET	NUCLEAR MEASUREMENTS LABORATORY
NT631	NET	NEUTRON TRANSPORT THEORY
NT631A	NET	NEUTRON TRANSPORT THEORY
NT633	NET	NUCLEAR FUSION
NT641	NET	INTRODUCTION TO COMPUTERIZED TOMOGRAPHY
NT641A	NET	INTRODUCTION TO COMPUTERIZED TOMOGRAPHY
NT642A	NET	NON-DESTRUCTIVE EVALUATION
NT651	NET	FAST REACTOR TECHNOLOGY
NT651A	NET	FAST REACTOR TECHNOLOGY
NT652	NET	NUCLEAR FUEL CYCLE
NT652A	NET	NUCLEAR FUEL CYCLE
NT661	NET	SAFETY ANALYSIS OF NUCLEAR POWER REACTORS
NT661A	NET	SAFETY ANALYSIS OF NUCLEAR POWER REACTORS
NT698	NET	SPECIAL TOPICS
NT699	NET	M TECH THESIS
IDC600A	PHY	INTRODUCTION TO HIGH PERFORMANCE COMPUTING FOR SCIENTISTS & ENGINEERS
IDC601A	PHY	DYNAMICAL SYSTEMS AND CHAOS
IDC605A	PHY	COMPUTATIONAL SCIENCE AND ENGINEERING
PHY600	PHY	INTRODUCTION TO HIGH PERFORMANCE COMPUTING FOR SCIENTISTS AND ENGINEERS
PHY600A	PHY	INTRODUCTION TO HIGH PERFORMANCE COMPUTING FOR SCIENTISTS AND ENGINEERS
PHY601	PHY	REVIEW OF CLASSICAL MACHANICS
PHY601A	PHY	REVIEW OF CLASSICAL MACHANICS
PHY602	PHY	REVIEW OF QUANTUM PHYSICS I
PHY602A	PHY	REVIEW OF QUANTUM MECHANICS
PHY603	PHY	REVIEW OF CLASSICAL PHYSICS II
PHY603A	PHY	REVIEW OF CLASSICAL ELECTRODYNAMICS
PHY604	PHY	REVIEW OF QUANTUM PHYSICS II
PHY604A	PHY	REVIEW OF STATISTICAL MECHANICS
PHY605	PHY	REVIEW OF MATHEMATICAL METHODS IN PHYSICS
PHY605A	PHY	REVIEW OF MATHEMATICAL METHODS IN PHYSICS
PHY606A	PHY	SOFT MATTER: CONCEPTS AND METHODS
PHY607A	PHY	QUANTUM MANY BODY PHYSICS
PHY610	PHY	INTRODUCTION TO BIOPHOTONICS
PHY611	PHY	ADVANCED QUANTUM MECHANICS
PHY612	PHY	INTRODUCTION GROUP THEORY & ITS APPLICATION TO QUANTUM MECH.
PHY613	PHY	ADVANCED STATISTICAL MECHANICS

PHY613A	PHY	ADVANCED STATISTICAL MECHANICS
PHY614	PHY	SPECIAL TOPICS IN QUANTUM MECHANICS
PHY615	PHY	NON-EQUILIBRIUM STATISTICAL MECHANICS
PHY615A	PHY	NON-EQUILIBRIUM STATISTICAL MECHANICS
PHY616	PHY	SOFT MATTER PHYSICS
PHY616A	PHY	SOFT MATTER PHYSICS
PHY617	PHY	PHYSICS OF NATURAL NANO-MACHINES
PHY618	PHY	PHYSICS OF LIFE
PHY618A	PHY	PHYSICS OF LIFE
PHY621	PHY	ELECTRONIC STRUCTURE OF MATERIALS
PHY621A	PHY	ELECTRONIC STRUCTURE OF MATERIALS
PHY622	PHY	CONDENSED MATTER II
PHY622A	PHY	CONDENSED MATTER II
PHY624	PHY	MAGNETISM IN MATERIALS
PHY624A	PHY	MAGNETISM IN MATERIALS
PHY627	PHY	COMPUTATIONAL SIMULATION METHODS IN PHYSICS
PHY628	PHY	TOPICS IN SEMICONDUCTOR
PHY629	PHY	PHYSICS AND TECHNOLOGY OF THIN FILMS
PHY631	PHY	PHYSICS OF SEMICONDUCTOR NANOSTRUCTURES
PHY631A	PHY	PHYSICS OF SEMICONDUCTOR NANOSTRUCTURES
PHY632	PHY	TRANSPORT IN MESOSCOPIC SYSTEMS
PHY632A	PHY	TRANSPORT IN MESOSCOPIC SYSTEMS
PHY634	PHY	LOW TEMPERATURE PHYSICS
PHY634A	PHY	LOW TEMPERATURE PHYSICS
PHY638	PHY	NUCLEAR TECHNIQUES IN SOLID STATE STUDIES
PHY642	PHY	CONDENSED MATTER PHENOMENA IN LOW DIMENSIONAL MATERIALS
PHY642A	PHY	CONDENSED MATTER PHENOMENA IN LOW DIMENSIONAL MATERIALS
PHY644	PHY	QUANTUM ELECTRONICS
PHY644A	PHY	QUANTUM ELECTRONICS
PHY645	PHY	ELECTROMAGNETIC METAMATERIALS AND PLASMONICS
PHY645A	PHY	METAMATERIALS & PLASMONICS
PHY646	PHY	COHERENT OPTICS
PHY647	PHY	ELECTRONICS
PHY647A	PHY	ELECTRONICS
PHY651	PHY	INTRODUCTION TO ASTROPHYSICAL FLUID
PHY651A	PHY	INTRODUCTION TO ASTROPHYSICAL FLUID
PHY652A	PHY	INTRODUCTION TO COMFORMAL FIELD THEORY
PHY653A	PHY	INTRODUCTION TO X-RAY NEUTRON SCATTERING
PHY659	PHY	SPECIAL & GENERAL RELATIVITY
PHY659A	PHY	SPECIAL & GENERAL RELATIVITY
PHY660	PHY	GENERAL RELATIVITY & COSMOLOGY
PHY660A	PHY	GENERAL RELATIVITY & COSMOLOGY
PHY663	PHY	MATHEMATICAL METHODS II
PHY663A	PHY	MATHEMATICAL METHODS II
PHY664	PHY	QUANTUM ELECTRONICS
PHY664A	PHY	QUANTUM ELECTRONICS
PHY665A	PHY	QUANTUM ELECTRONICS
PHY670A	PHY	EVOLUTIONARY GAME DYNAMICS
PHY672	PHY	PHYSICS OF TURBULENCE
PHY672A	PHY	PHYSICS OF TURBULENCE
PHY679	PHY	THE STANDARD MODEL OF FUNDAMENTAL PHYSICS
PHY679A	PHY	THE STANDARD MODEL OF FUNDAMENTAL PHYSICS
PHY680	PHY	PARTICLE PHYSICS
PHY680A	PHY	PARTICLE PHYSICS
PHY681	PHY	QUANTUM FIELD THEORY
PHY681A	PHY	QUANTUM FIELD THEORY
PHY682	PHY	CONCEPTS OF PLASMA PHYSICS
PHY682A	PHY	CONCEPTS OF PLASMA PHYSICS
PHY690	PHY	SPECIAL TOPICS IN PHYSICS
PHY690A	PHY	GREEN NANOTECHNOLOGIES
PHY690B	PHY	QUANTUM PHASES IN NANO-SCALE SYSTEM

PHY690C	PHY	PRINCIPLES OF LASERS AND DETECTORS
PHY690D	PHY	DENSITY FUNCTIONAL THEORY
PHY690E	PHY	QUANTUM DYNAMICS
PHY690F	PHY	QUANTUM DYNAMICS: COMPUTATION & INFORMATION
PHY690G	PHY	COHERENCE & QUANTUM ENTANGLEMENT
PHY690H	PHY	GREEN NANOTECHNOLOGIES
PHY690I	PHY	COSMOLOGY
PHY690J	PHY	GROUP THEORY AND ITS APPLICATIONS TO PARTICLE PHYSICS
PHY690K	PHY	QUANTUM DYNAMICS, INFORMATION AND COMPUTATION
PHY690L	PHY	QUANTUM OPTICS II
PHY690M	PHY	ADVANCED GENERAL RELATIVITY AND BLACK HOLES
PHY690N	PHY	CORRELATED ELECTRONS AND QUANTUM MAGNETISM
PHY690O	PHY	GAUGE THEORY AND RENORMALIZATION
PHY690P	PHY	SPINTRONICS
PHY690Q	PHY	COOPERATIVE PHENOMENA IN CLASSICAL & QUANTUM SYSTEMS
PHY690R	PHY	ASTROPHYSICS
PHY690S	PHY	TYPE II SUPERCONDUCTORS VORTICES & APPLICATIONS
PHY690T	PHY	SUPERCONDUCTIVITY AND APPLICATIONS
PHY690U	PHY	ADVANCE GENERAL RELATIVITY AND BLACK HOLES
PHY690V	PHY	PHOTONIC DEVICES
PHY690W	PHY	INTRODUCTION TO HIGH PERFORMANCE COMPUTING FOR SCIENTISTS AND ENGINEERS
PHY690X	PHY	ADVANCED QUANTUM AND STATISTICAL MECHANICS
PHY690Y	PHY	THERMAL PHYSICS AT NANO-SCALE
PHY692	PHY	MEASUREMENT TECHNIQUES
PHY692A	PHY	MEASUREMENT TECHNIQUES
PHY693	PHY	INTRODUCTION TO SPINTRONICS
PHY693A	PHY	INTRODUCTION TO SPINTRONICS
PHY695	PHY	NONLINEAR SYSTEM & DYNAMICS
PHY695A	PHY	NONLINEAR SYSTEM & DYNAMICS
PHY697A	PHY	M SC RESEARCH PROJECT -I
PHY697B	PHY	M SC RESEARCH PROJECT-II
PHY698	PHY	M.SC.RESEARCH PROJECT I
PHY698A	PHY	M.SC.RESEARCH PROJECT I
PHY699	PHY	M.SC.RESEARCH PROJECT II
PHY699.	PHY	M TECH THESIS (FOR DUAL DEGREE ONLY)
PHY699A	PHY	M.SC.RESEARCH PROJECT II
PHY781	PHY	HIGH ENERGY PHYSICS II
PHY781A	PHY	HIGH ENERGY PHYSICS II
PSE601	PSE	INTRODUCTION TO PHOTONICS
PSE601A	PSE	INTRODUCTION TO PHOTONICS
PSE602	PSE	PRINCIPLES OF LASERS AND DETECTORS
PSE602A	PSE	PRINCIPLES OF LASERS AND DETECTORS
PSE603	PSE	NUMERICAL METHODS IN OPTICS
PSE603A	PSE	NUMERICAL METHODS IN OPTICS
PSE604	PSE	PHOTONICS SYSTEMS AND APPLICATIONS
PSE604A	PSE	PHOTONICS SYSTEMS AND APPLICATIONS
PSE605	PSE	PHOTONICS LAB TECHNIQUES
PSE605A	PSE	PHOTONICS LAB TECHNIQUES
PSE606	PSE	RESEARCH IN PHOTONICS AND LASERS
PSE606A	PSE	RESEARCH IN PHOTONICS AND LASERS
PSE699	PSE	M. TECH THESIS
PSE899	PSE	MS - RESEARCH THESIS
STA800	STA	RESEARCH
<b>Course Code</b>	<b>Department</b>	<b>Course Title</b>
AE799	AE	PHD THESIS
BSE799	BSBE	PHD THESIS
CE799	CE	PHD THESIS
CGS799	CGS	PHD THESIS
CHE799	CHE	PHD THESIS
CHM799	CHM	RESEARCH
CS799	CSE	PHD THESIS

Ph.D.	EC799	EC	PH D THESIS
	ECO799	ECO	PHD THESIS
	EE799	EE	PHD THESIS
	ES799	ES	PH D THESIS
	ENG799	HSS	PHD THESIS
	FA799	HSS	PHD THESIS
	PHI799	HSS	PHD THESIS
	PSY799	HSS	PHD THESIS
	SOC799	HSS	PHD THESIS
	IME799	IME	PHD THESIS
	LT799	LT	PHD THESIS
	DES799	MDES	PH.D THESIS
	ME799	ME	PHD THESIS
	MME799	MME	PHD THESIS
	MS799	MS	PHD THESIS
	MSE799	MSE	PH D THESIS
	MTH799	MTH	RESEARCH
	NT799	NET	PHD THESIS
	PHY799	PHY	RESEARCH
	PHY799.	PHY	PH D THESIS
	PSE799	PSE	PHD THESIS
	STA799	STA	PH.D THESIS

*Amor*  
29/11/18



## INDIAN INSTITUTE OF TECHNOLOGY KANPUR

### IX Research & Development Activities during last three years

Name of Centres of Excellence	Number of Research Fellows	Number of Research Publications		Patents		Research Projects	
		National	International	No. patents filed	No. of patents awarded	No. of Research Projects completed in last 5 years.	No. of Research Projects in progress in the last 5 years.
IIT KANPUR	2016-17 = 320	2015 - Journals- 70 Conference- 20 Books-01 Book Chapters-02	2015 - Journals- 1391 Conference- 390 Books-18 Book Chapters-49	2016 - 58	2016 - 16	2013-14 - 124	2013-14 - 503
	2017-18 = 298	2016 - Journals- 72 Conference- 22 Books- 01 Book Chapters- 01	2016 - Journals- 1431 Conference- 431 Books-22 Book Chapters-19	2017 - 59	2021	2014-15 - 127	2014-15 - 518
	2018-19 = 241	2017 - Journals- 66 Conference- 26 Books- 02 Book Chapters- 03	2017 - Journals- 1312 Conference- 520 Books-31 Book Chapters-67	2018 - 41	2018 - 17	2015-16 - 142	2015-16 - 559
						2016-17 - 137	2016-17 - 603
						2017-18 - 129	2017-18 - 680

*Omav*  
29/11/18

# INDIAN INSTITUTE OF TECHNOLOGY KANPUR

## X. Placement Status

No. of students graduated in last 2 years year-wise		No of students who got placed in last 2 years year-wise.	
2016-17	2017-18	2016-17	2017-18
1544	1576	744	807

*ANNON*  
*29/11/18*

## INDIAN INSTITUTE OF TECHNOLOGY KANPUR

### XI. Foreign Collaboration

Foreign Collaboration	Country with which there is collation	Duration of the collaboration (years)	Remarks Signed on
University of Ontario	Canada	5	08.10.2015
University of Calgary	Canada	5	15.07.2015
Mcmaster University	Canada	5	29.01.2016
The University of Texas at Dallas	USA	5	05.01.2016
North Carolina State University	USA	5	20.09.2014
Yale University	USA	10	28.10.2010
University of Southern California	USA	5	28.03.2014
University of Delaware	USA	5	25.07.2014
The University of Massachusetts Lowell	USA	5	15.12.2014
The University of Kansas	USA	5	09.09.2013
Rensselaer Polytechnic Institute	USA	5	26.03.2014
Kent State University	USA	5	20.10.2014
Dwight Look College of Engineering, Texas A&M University	USA	5	24.10.2013
Ohio University	USA	5	20.05.2016
University at Buffallo	USA	5	17.07.2017
University at Buffallo(JDP)	USA	5	17.07.2017
Malek-Ashtar University of Technology	Iran	5	28.08.2017
Alzahra University	Iran	5	28.08.2017
Nanjing University of Science & Technology	China	5	20.05.2017
State Key Laboratory of Aerodynamics, China Aerodynamic Research & Development Center	China	5	07.02.2014
Hokkaido University	Japan	5	22.10. 2018
Shibaura Institute of Technology	Japan	5	15.06.2017
Akashi National College of Technology	Japan	....	18.02.2014
Kyoto University	Japan	5	28.10.2016
The University fo Tokyo	Japan	5	31.07.2013
University of Miyazaki	Japan	4	30.07.2015

*M. Man*  
29/11/18

Kyushu Institute of Technology	Japan	5	20.10.2014
Osaka University	Japan	5	21.02.2014
Kyungpook National University	Republic of Korea	5	04.11.2013
Kyungpook National University	Republic of Korea	...	14.03.2014
Nanyang Technological University	Singapore	5	14.03.2014
National University of Singapore(JDP)	Singapore	5	04.12.2013
Nanional University of Singapore	Singapore	10	31.05.2008
Ulsan National Institute of Science and Technology	South Korea	5	04.04.2013
Yeungnam University	South Korea	5	01.01.2015
National Ilan University	Taiwan	5	04.03.2016
National Tsing Hua University	Taiwan	5	11.08.2014
National Yunlin University of Science & Technology	Taiwan	....	10.06.2006
University system of Taiwan	Taiwan	5	18.10.2014
National Chiao Tung University	Taiwan	5	25.06.2014
Chulalongkorn University	Thailand	5	02.01.2016
The Nelson Mandela African Institution for Science & Technology	Tanzania	4	18.06.2015
Addis Ababa University	Ethiopia	....	15.01.2010
Curtin University	Australia	5	11.07.2016
La Trobe University	Australia	5	25.04.2018
La Trobe University (JDP)	Australia	5	04.10.2018
The University of Melbourne	Australia	5	19.11.2014
The University of Melbourne(JDP)	Australia	5	03.12.2015
Deakin University	Australia	5	18.09.2013
The University of Melbourne	Australia	5	19.11.2014
Fiji National University	Ocenia	5	07.03.2014
University of Cyprus	Cyprus	5	18.11.2016
Aalto University	Finland	5	15.10.2014
Consortium of Finnish Higher Education Institution	Finland	5	15.10.2014
University of Technology of Troyes	France	5	01.03.2016
Ecole Centrale De Nantes	France	5	17.01.2016
Hamburg School of Business Administration	Germany	5	16.04.2014

*Amor*  
29/11/18

Technische University Munchen	Germany	5	14.07.2016
RWTH Aachen University	Germany	5	08.03.2013
University of applied science Darmstadt	Germany	5	04.07.2016
University of Luxemburg	Luxemburg	5	26.10.2016
The Eindhoven University of Technology	Netherland	3	31.10.2014
The Norwegin University of Science and Technology	Norway	5	14.10.2014
The University of Oslo	Norway	5	14.10.2014
Norwegian Institute for Air Research	Norway	3	14.10.2014
The Instituto Superior Tecnico	Portugal	5	03.03.2015
National Research Tomsk Polytechnic University	Russia	5	06.07.2015
Belgorod State University	Russia	5	13.04.2017
KTH Royal Institute of Technology	Sweden	3	06.07.2015
Lund University	Sweden	5	27.08.2015
Luleå University of Technology	Sweden	5	10.08.2015
University of West	Sweden	5	13.01.2014
Geneva School of Business Administration University of Applied Science	Switzerland	5	06.12.2012
University of Geneva	Switzerland	5	06.08.2013
École Polytechnique Fédérale de Lausanne	Switzerland	5	30.01.2017
The University of Pavia	Italy	5	03.06.2018

... = Duration is not fixed. Collaboration continues.

*Handwritten signature*  
29/11/18



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2018/624  
December 13, 2018

Shri. Arun Kumar Karn  
Assistant Section Officer  
Technical Section 1,  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi – 110011

**Sub: Rajya Sabha Unstarred Question No. 378 to be replied on 13.12.2018 regarding Foreign Students and faculty members in Institutes.**

Dear Shri. Karn,

Kindly refer to your email dated December 10, 2018, regarding the subject cited above.

Appended below, please find the point-wise reply of the ibid email, in so far they relate to this Institute:

(i) the current percentage of foreign students and faculty members in both private and public institute in the country;

**Reply** - There are currently 29 foreign national students registered in 2018-19-I Semester and 02 foreign faculty members in IIT Kanpur.

(ii) the steps proposed to be taken by Government to increase their number especially IITs;

**Reply** - IIT Kanpur has initiated special schemes for attracting foreign faculties. The same is enclosed as **Annexure-A**.

(iii) in what manner Government proposed to offer competitive salaries to foreign faculty members when some of India's topmost university professors and staff have complained about inadequate and delayed salaries; and

**Reply** - Please see Point No. 3 of enclosed **Annexure-A**.

(iv) whether these plans have been extended to humanities and social science disciplines as well and if so, the details thereof?

**Reply** - Yes. Out of these 29 students, one is enrolled in Economic Sciences and one in Humanities & Social Sciences.

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

**K.K. Tiwari**  
Registrar



भारतीय प्रौद्योगिकी संस्थान कानपुर  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
कार्यालय अधिष्ठाता संकाय  
OFFICE OF FACULTY AFFAIRS

No.FA/OO-01/2015-IITK/ 2228  
October 13, 2015

To,  
All HODs  
IIT Kanpur

CIRCULAR

Dear all,  
The board in its 2015/ 3<sup>rd</sup> meeting has considered and approved the guidelines for hiring of foreign nationals in IIT Kanpur. Please find attached herewith the same for your kind perusal and necessary action at your end.

Thanking you,  
With regards,



13/10/15

(Manindra Agrawal)  
Dean, Faculty Affairs

Encl: as stated above

<b>BOG 2015.3.11</b>	<b><i>To consider and note the modifications in the guidelines for hiring of foreign nationals in IIT Kanpur, as suggested by the Board in its previous meeting</i></b>
----------------------	---

The Board, after some discussions, took note of the modifications suggested in the guidelines of the Committee of Profs. S. Ray and P. K. Panigrahi, for hiring of foreign nationals with a cap of additional pay package at 50% to 100% instead of 50% to 300%.



**RECRUITMENT RULES / BENEFITS - FOR HIRING FOREIGN  
NATIONALS AS FACULTY**

1. **Positions** : Professor, Associate and Assistant Professor
2. **Educational and other qualifications** : As per existing institute norms.
3. **Salary and Other Benefits** :
  - a.) At par with Indian Nationals, corresponding to Professor, Associate and Assistant Professor.
  - b.) Additional salary as personal pay up to 100 % based on the recommendation of selection/standing committee recommendations will be offered.
  - c.) Yearly increment will be similar to that of Indian National and additional increment can be given based on the periodic evaluation.
  - d.) Relocation expenses up to Rs. 3.0 lacs or actuals whichever is less.
  - e.) Home Travel Allowance once every year for family / dependents up to maximum of Rs. 3.0 lacs or actual whichever is less.
  - f.) Children Education Allowance, Telephone Reimbursement, Health Insurance / Medical Facility will be at par with Indian nationals.
4. **Endowed Chair** : foreign faculty may be offered Endowed Chair positions based on the recommendations of the selection committee.
5. **Initiation Grant** : maximum upto Rs. 80.0 lacs. Other rules similar to the institute norms.
6. **Contingency Grants** : Rs. 6.0 lacs for 5 years. This grant can be used for purchase of books, stationery and travel support for attending the international conferences.
7. **Professional Development Account (PDA) and Cumulative Professional Development Allowance (CPDA)** as applicable to Indian nationals.

AP-49

8. **Tenure** : 5 Years contract which is renewable in nature. The contract may be terminated by either party by giving 3 months notice or salary in lieu thereof. In case if a contract is terminated by the faculty than he will be required to refund the contingency grant to institute.

9. **Age Limit** : Maximum 60 Years.

10. **Accommodation** : Fully furnished accommodation for first one year. Faculty staying for more than a year will be required to move to regular accommodation.

11. **Leave** : as applicable to Indian nationals.

12. **Office Space** 150 sq. ft. and **Lab Space** 800-1200 sq. ft. depending on availability/requirement the space may be shared with other faculties.


13. **Consultancy** : supplementing the income through consultancy will be allowed as per institutes norms.

14. The recruitment advertisement will be uploaded on the institute web site and through our international office.

Proposed By

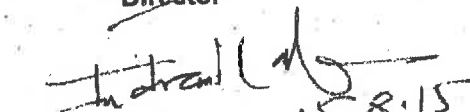
DOFA

Date :

  
12/8/15

Approved By

Director

  
15-8-15



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2018/634  
December 24, 2018

Shri. Arun Kumar Karn  
Assistant Section Officer  
Technical Section 1,  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi – 110011

**Sub: Rajya Sabha Provisionally admitted Question Dy. No. S2946 to be replied on 27.12.2018 regarding Foreign visits of academicians.**

Dear Shri. Karn,

Kindly refer to your email dated December 19, 2018, regarding the subject cited above.

Appended below, please find the point-wise reply of the ibid email, in so far they relate to this Institute:

- (a) the number of professors, scientists, research scholars and educationists visited foreign countries under the educational exchange programme during the last three years;

**Reply -** The following number of faculty members and scientists/research scholars (Non-Faculty) have visited foreign countries during the last three years (Not under educational exchange programme) -

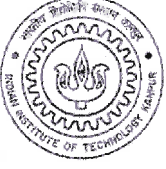
Year	No. of Faculty Members	No. of Scientists / Research Scholars (Non-Faculty)
2016	397	12
2017	247	03
2018	358	03

The following number of students/research scholars who have visited foreign countries during the last three years under educational exchange programme -

Year	No. of students
2016	01
2017	02
2018	03

- (b) whether most of the persons who visited foreign countries under the educational exchange programme belong to the metropolitan cities;

**Reply -** No, most of the students belongs to the non-metropolitan cities of the country.



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

-2-

(c) if so, the separate details thereof, city-wise; and

Reply -

Number of students	City/State of which student belongs to
01	Ambala, Haryana
01	Kolkatta, West Bengal
01	Karhal, Uttar Pradesh
01	Dehradun, Uttarakhand
01	Nidadavole, Pondicherry
01	New Delhi

(d) the measures taken by the Government so that more persons particularly from other cities and regions of the country visit foreign countries under these exchange programmes?

Reply - Candidates are selected on merit basis as per the Institute guidelines.

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

**K.K.Tiwari**  
Registrar



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2018/635  
December 26, 2018

Shri. Kundan Nath  
Under Secretary (IITs)  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi - 110011

**Sub: URGENT Provisionally admitted Lok Sabha Starred Question Dairy No. 7421 for answer on 31.12.2018 regarding "Number of IITs".**

Dear Shri. Nath,

Kindly refer to your email dated December 20, 2018, regarding the subject cited above.

Appended below, please find the point-wise reply of the ibid email, in so far they relate to this Institute:

(a) the total number of Indian Institute of Technology (IITs) in the country, as on date;

**Reply - 23**

(b) out of the total number of IITs posts, teaching as well as non-teaching, which are earmarked for Scheduled Cates/Scheduled Tribe (SC/ST) category;

**Reply - For Academic Posts -** IITs follow a flexible cadre structure and hence there are no fixed numbers of Professors or Associate Professor or Assistant Professor. Only the overall number is pegged at 10% of student strength. Therefore, exact number of reserve post under SC/ST category is not available.

**For Non-Academic Posts -** Reservations as per GOI rules have been followed to SC/ST candidates who applied for all posts in Group 'A', 'B' & 'C'.

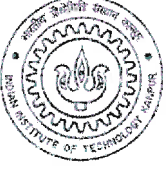
(c) whether all the posts earmarked for SC/ST category has been duly filled up;

**Reply -** At Present not all **teaching** vacancies of faculty are filled. IIT Kanpur follows MHRD guidelines issued vide letter No. F.No.16-8/2000-TS-1 dated June 09, 2008 for reservation of SCs/STs/OBCs in recruitment to teaching (faculty) posts.

For **Non-Academic** Posts, the positions, as per the reservation roster, is fully filled in IIT Kanpur with respect to SC/ST category.

(d) if so, the details thereof, IIT-wise and if not, the reasons for not filling up those posts; and

**Reply -** Sufficient number of candidates belongs to SC/ST category with PhDs are not applying for faculty posts in IIT Kanpur.



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

-2-

(e) whether post based roster is implemented in all IITs and if so, the details thereof?

**Reply** - The Institute conducts special drive to recruit reserved category candidates for **teaching post** purpose.

We are following GOI reservation policy for **non-teaching posts** where all posts are filled and details as on date are -

Group 'A' = 10  
Group 'B' = 69  
Group 'C' = 73  
Total = 152

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

**K.K.Tiwari**  
**Registrar**

IIT-Registrar , Jodhpur-IIT-Registrar , Indore IIT-Registrar , Mandi IIT-Registrar , Bhubaneswar IIT-Registrar , Goa IIT-Registrar (Shakeel Sir) , Tirupati IIT-Registrar , KUNDAN NATH

Sirs,

I am directed to state that Question No.267 regarding "Indian Institutes of Technology" asked by Dr. Udit Raj has been admitted in Lok Sabha for answer on 31.12.2018 as **STARRED**. A copy of the said question is enclosed with the request to furnish the requisite details in the format given below in MS-Word to this Ministry by today 4.00 p.m.

*Status of IIT Kanpur*

	Sanctioned posts (At present stage)	Posts earmarked for		Posts filled		Posts vacant / Already advertised		Reasons for shortfall
		SC	ST	SC	ST	SC	ST	
Faculty	701 (414)	*		3	—	—	—	—
Non-Faculty	771 (587)	AS per reservation policy	GOI	136	16	09	1	Selection under process

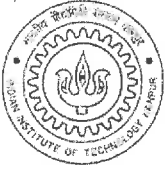
2. This may please be treated as MOST-URGENT.

*\* Strong candidates often do not specify their SC/ST Category*

Arjun Kumar Karn  
Assistant Section Officer  
Technical Section-1  
Department of Higher Education  
Ministry of Human Resource Development

*[Signature]*  
27/12/18  
Registrar

Abhay Karandikar  
Director  
Indian Institute of Technology Kanpur  
Kalyanpur, Kanpur-208016 (UP).



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

न. भा.प्रौ.सं.क/कु.का./प.प्र./2019/02

जनवरी 04, 2019

श्रीमति सुनीति शर्मा  
निर्देशक (रा.भा.)  
मानव संसाधन विकास मंत्रालय,  
428-C, शास्त्री भवन,  
नई दिल्ली - 110001

विषय: राजभाषा हिन्दी के संवर्धन के बारे में श्री मानशंकर निनामा, माननीय सांसद (लोकसभा) द्वारा लोकसभा में दिनांक 8.1.2019 को पूछे जाने वाला तारांकित प्रश्न संख्या 394 के संबंध में ।

महोदया,

कृपया अपने ईमेल दिनांक 03/01/2019 का संदर्भ ग्रहण करें। आपके द्वारा प्रेषित ई-मेल का बिंदुवार उत्तर निम्नानुसार है, जो कि इस संस्थान से संबंधित हैं:

- (a) whether the Government has prepared schemes for according appropriate honour to Rajbhasha Hindi and its world-wide and nation-wide promotion and propagation as per Constitutional provisions;
- (b) if so, the schemes prepared during the last three years along with the funds on these schemes;
- (c) the proper steps taken for better use of Rajbhasha Hindi in Science and Technology, and
- (d) the target fixed by the Government in this regard?

उत्तर - भाग (a) से (d), भारतीय प्रौद्योगिकी संस्थान कानपुर द्वारा न तो कोई योजना चलाई गई है और न ही कोई अन्य उपाय किये गये हैं।

सादर धन्यवाद,

भवदीय

  
अमर पाल

सहायक कुलसचिव  
कुलसचिव कार्यालय,  
भा.प्रौ.सं.कानपुर





भारतीय प्रौद्योगिकी संस्थान, कानपुर  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
राजभाषा प्रकोष्ठ  
Hindi Cell

सं. प्र. रा./मं. पत्रा./06  
दिनांक 16.01.2019

सेवा में,  
श्री संजय कुमार सिन्हा  
संयुक्त सचिव, भारत सरकार  
मानव संसाधन विकास मंत्रालय  
(उच्चतर शिक्षा विभाग- राजभाषा प्रभाग) शास्त्री भवन, नई दिल्ली

विषय: माननीय प्रधानमंत्री जी की अध्यक्षता में केन्द्रीय हिन्दी समिति की 31वीं बैठक में लिए गये निर्णयों पर कार्रवाई के संबंध में।

संदर्भ: आपका पत्रांक संख्या 11011-5/2011/रा.भा.ए. (खण्ड-4) दिनांक 7 जनवरी 2019

महोदय,

कृपया उपर्युक्त संदर्भित पत्र का संदर्भ ग्रहण करने की कृपा करें जिसके माध्यम से आपने संस्थान प्रशासन द्वारा अधोलिखित निर्णयों पर की गई कार्रवाई से अवगत कराने के लिए कहा है। इस संबंध में आपको अवगत करना है कि संस्थान प्रशासन द्वारा अधोलिखित निर्णयों पर की गई कार्रवाई निम्नानुसार है:

निर्णय	संस्थान प्रशासन द्वारा की गई कार्रवाई
1. सभी राष्ट्रीय प्रशिक्षणों में हिन्दी का प्रशिक्षण दिया जाए	उल्लेखनीय है कि भारतीय प्रौद्योगिकी संस्थान कानपुर अंतर्राष्ट्रीय महत्व का एक संस्थान है जहां शिक्षण एवं प्रशिक्षण का माध्यम अंग्रेजी भाषा है। प्रशासनिक कार्यों विशेषतः ग्रुप डी कर्मचारियों के साथ पत्राचार पूर्णरूप से राजभाषा में किया जाता है। इसके अतिरिक्त वर्ष में लगभग 3-4 कार्यशालायें, हिन्दी पखवाड़ा एवं राजभाषा हिन्दी में पत्रिका का प्रकाशन पिछले कई वर्षों से किया जा रहा है।
2. मंत्रालयों एवं संस्थानों में हिन्दी के पद रिक्त हैं यह भी विषय रहा है।	संस्थान में हिन्दी अधिकारी का पद रिक्त चल रहा है। वर्तमान में डॉ. वेदप्रकाश सिंह, संयुक्त कुलसचिव, संपर्क अधिकारी (हिन्दी) के रूप में राजभाषा हिन्दी अधिकारी का कार्य देख रहे हैं।

तदनुसार, उल्लिखित सूचना आवश्यक कार्रवाई हेतु आपको प्रेषित की जा रही है।

सादर,

भवदीय,  
  
कृष्ण कुमार तिवारी  
कुलसचिव

प्रतिलिपि: सुश्री सुनीति शर्मा, निदेशक (राजभाषा) मानव संसाधन विकास मंत्रालय, भारत सरकार, नई दिल्ली।



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2019/10  
January 29, 2019

Shri. Arun Kumar Karn  
Assistant Section Officer  
Technical Section 1,  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi – 110011

**Sub: LSUSQ NO.78 for answer on 4.2.2019 regarding 'IIT Students'.**

Dear Shri. Karn,

Kindly refer to your email dated January 28, 2019, regarding the subject cited above.

Appended below, please find the point-wise reply of the ibid email, in so far they relate to this Institute:

(a) whether the Government has suspended Indian Institute of Technology (IIT) first year students for not performing well in the exams;

**Reply** - The academic programme of a first year undergraduate student can be terminated on grounds of inadequate academic performance at the end of second semester. The academic programme of a postgraduate student can be terminated at the end of first semester.

(b) if so, the details and reasons therefor; and

**Reply** - The semester ending in December 2018 (2018-19-I) was the first semester for the first year undergraduate students and, hence, no one were terminated in December 2018. At the postgraduate level, programmes of 73 first year students were terminated in December 2018 on grounds of inadequate academic performance. Of these, 42 students appealed for reinstatement. Programmes of 40 students were reinstated upon appeal. Thus, a total of 33 postgraduate students were terminated at the end of their first semester.

(c) the remedial measures taken/being taken by the Government in this regard?

**Reply** - Every terminated student has a right to appeal against his/her termination. In case his/her academic programme is not reinstated in response to the first appeal, he/she can re-appeal in the subsequent semesters.

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

**K.K. Tiwari**  
Registrar



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2019/12  
February 01, 2019

Shri. Kundan Nath  
Under Secretary (IITs)  
Technical Section 1,  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi – 110011

**Sub: LSUSQ No.131 to be replied on 04.02.2019 regarding Sexual Harassment in Educational Institutional asked by Shri B. Senguttuvan.**

Dear Sir,

Kindly refer to your email dated January 31, 2019, regarding the subject cited above.

Appended below, please find the point-wise reply of the ibid email, in so far they relate to this Institute:

**(a)** Whether the Government is aware that sexual harassment of women lecturers, professors and research scholars at the hands of academic heads of departments, professors and lecturers in educational institutions is on the rise across the country?

**Reply** - In November 2018, the Government has been provided with the data regarding the number of sexual harassment cases at IIT Kanpur in the last three years. The updated data till 1<sup>st</sup> February, 2019 is provided below in answer to Question B.

**(b)** If so, the total number and other details of cases of sexual harassment in educational institutions registered during the last three years.

**Reply** - The following are the details of the cases of sexual harassment that have been registered with the Internal Complaints committee of IIT Kanpur in the last three years:

**Facts and figures for the cases of sexual harassment in the period 2016-17.**

- 1) The ICC received 12 complaints during the April 2016 - March 17.
- 2) Of the above, four were withdrawn. One of these complaints was withdrawn because the complainant had to leave the Campus and the respondent too was out of Campus for psychiatric treatment. Two other complaints were withdrawn because both complainant and respondent agreed to settle the complaint. Another complaint was closed because the complainants were from outside the Campus and did not wish to become involved in a case here.
- 3) A complaint from a staff member could not be taken up because it did not fall under the legal definition of sexual harassment.
- 4) Action was taken in the remaining seven cases. Recommendations of the ICC ranging from suspension for a year to withholding of the degree were implemented by the Institute.
- 5) Other than the complaint mentioned under (c), all the rest were student complaints.

**Facts and figures for the cases of sexual harassment in the period 2017-18**

- 1) The ICC received 10 complaints during the period 1 April 2017 to 31 March 2018.
- 2) Of these complaints, 02 were withdrawn by the complainants citing various reasons.
- 3) In 01 case, the assailant could not be identified and hence the investigation had to be closed.



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

- 4) Wrongdoing could not be conclusively established in 01 case, and 02 complaints were found to be without any basis.
- 5) Action was recommended in 04 cases. Recommendations of the ICC ranging from suspension for two semesters to collective grade demotion were implemented by the Institute.

**Facts and figures for the cases of sexual harassment in the period 2018-19**

- 1) The ICC received 4 complaints from 1 April 2018 till 1 February 2019.
- 2) In one case no conclusive evidence for the involvement of the respondent could be found.
- 3) In the second case the respondent was found to be not guilty of the charges however the ICC found evidence of wrongdoing by the key witness in the case and as a result recommended community service for 6 hours a week for four months.
- 4) In the third case the perpetrator could not be identified hence the case was closed.
- 5) The fourth case is still under investigation.
- 6) All the above mentioned cases were involving students.

- (c) Whether any prominent heads of departments, professors and lecturers are involved in such episodes and if so, the details thereof.

**Reply** - None of the cases involved any heads of departments, professors or lecturers.

- (d) Whether all central universities in the country have in-house committees on Sexual Harassment and if not, the reason thereof?

**Reply** - At the Indian Institute of Technology Kanpur, two bodies namely the Internal Complaints Committee (ICC) and a Women's Cell have been set up by the Institute. These bodies have been constituted to address the issues of sexual harassment in particular and gender justice in general. The ICC addresses the complaints related to sexual harassment as mandated by the Sexual Harassment of Women at Workplace (Prevention, Prohibition, and Redressal) Act, 2013. The Women's Cell has been set up to deal with sensitizing the Campus community to gender-related issues, and also to offer advice on available courses of action to women on campus who may be in distress. Together the two bodies seek to ensure a climate free of implicit and explicit forms of gender discrimination.

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

**K.K. Tiwari**  
Registrar



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2019/19  
February 05, 2019

Shri. Arun Kumar Karn  
Assistant Section Officer  
Technical Section 1,  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi – 110011

**Sub: Rajya Sabha Unstarred question No. 535 to be replied on 07.02.2019 regarding Placement of graduate asked by Shri Ripun Bora**

Dear Shri. Karn,

Kindly refer to your email dated February 04, 2019, regarding the subject cited above.

Appended below, please find the point-wise reply of the ibid email, in so far they relate to this Institute:

- (a) Whether it is a fact that the management, technical and engineering institutions of our country have failed to provide a minimum placement of 60 percent to their graduate students;

**Reply -**

**Placement Statistics at IIT Kanpur**

Year	Total Registered	Total Placed	Percentage Placement
2014-15	1092	902	82.60
2015-16	1049	903	86.08
2016-17	952	744	78.15
2017-18	982	807	82.18
2018-19*	1042	849	81.48

\* Placement process on going (will continue till April 2019\*)

Overall placement record of students graduating from IIT Kanpur were above 60 percent in the last five years. Year wise placement data of total graduating students is given in table above. The hiring numbers typically vary across years depending on prevailing market conditions.

- (b) If so, the number of students who passed from 2014 till date and their placement in the country during the last five years, stream wise:

**Reply -** Not Available.

- (c) The proposal of government to provide 100 percent placement of such graduates; and

**Reply -** Information not available with IIT Kanpur.

- (d) Action taken by government under different schemes to provide job opportunities during 2014 to 2018?

**Reply -** Information not available with IIT Kanpur.

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

  
K.K. Tiwari  
Registrar



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2019/44  
February 05, 2019

Shri. Kundan Nath  
Under Secretary (IITs)  
Technical Section 1,  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi - 110011

**Sub: Rajya Sabha Unstarred Question No. 512 to be replied on 07.02.2019 regarding Centres for Artificial Intelligence asked by Dr. T. Subbarami Reddy.**

Dear Sir,

Kindly refer to your email dated February 04, 2019, regarding the subject cited above.

Appended below, please find the point-wise reply of the ibid email, in so far they relate to this Institute:

(a) Whether the institutions of higher education like IITs have setup centres for Artificial Intelligence in view of increasing use of Artificial Intelligence (AI) technology in the world;

**Reply** - IIT Kanpur does not have a centre for Artificial Intelligence (AI).

(b) if so, the details thereof;

**Reply** - Not Applicable.

(c) the courses proposed to be offered in these institutes; and

**Reply** - Not Applicable.

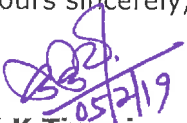
(d) whether any collaboration is being made with global leaders in Artificial Intelligence and if so, the details thereof?

**Reply** - No formal collaboration is made.

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

  
K.K. Tiwari  
Registrar



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2019/55  
February 06, 2019

Shri. Arun Kumar Karn  
Assistant Section Officer  
Technical Section 1,  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi - 110011

**Sub: Rajya Sabha Starred Question No.54 for answer on 7.2.2019 regarding "SC/ST and OBC posts lying vacant in Higher Educational Institutes".**

Dear Shri. Karn,

Kindly refer to your email dated February 05, 2019, regarding the subject cited above.

Appended below, please find the point-wise reply of the ibid email, in so far they relate to this Institute:

- (a) whether it is a fact that a large number of posts in the categories of Scheduled Castes, Scheduled Tribes and Other Backward Classes are vacant in IITs;

**Reply -**

**For Academic Posts** - It is only because of true fact that strong candidates belonging to SC, ST and OBC category often do not specify their category and join in the open pool. We may have number of candidates belonging to SC, ST and OBC category but they have not declared their caste at the time of initial recruitment.

**For Non-Academic Posts** - No backlog vacancies (non-academic) existing in the above categories.

- (b) the number of sanctioned posts in these categories and in general category in IITs and the number of vacant posts out of them, category-wise;

**Reply -**

**For Academic Posts** - IITs follow a flexible cadre structure and hence there are no fixed numbers of vacant posts. Only the overall faculty positions are pegged at 10% of student strength. Therefore, exact number of reserve post under SC, ST, OBC and General category is not available. Sanctioned posts as per 10% of student strength are 694 and total filled are 421. Existing bifurcation is: SC- 3, ST- 0, OBC- 4

**For Non-Academic Posts** - The non-academic vacancies of IIT Kanpur is correlated with the students strength (10 : 1.1). This is as per the GOI instructions.

  
06/2/19

P.T.O



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

- (c) the % of reservation in posts in IITs during the last three years along with details of vacant posts;

**Reply -**

**For Academic Posts** - IITs follow a flexible cadre structure and hence there are no fixed numbers of vacant posts. Only the overall faculty positions are pegged at 10% of student strength. Therefore, exact number of reserve post under SC, ST, OBC and General category is not available.

**For Non-Academic Posts** - Percentage of reservations is as per the GOI guidelines. No backlog vacancies (non-academic) existing in the above categories.

- (d) the details of posts viz, number, pay-scale etc, which have been filled through outsourcing and details of the outsourcing agency during the last three years; and

**Reply - NIL**

- (e) the details of the steps taken for filling them up during the last three years?

**Reply -**

**For Academic Posts** - the vacancies are published in the various national newspapers besides a rolling advertisement being active throughout the year. It is specifically highlighted that reservation policies, as decided by GOI norms. Reservation policy in promotion followed in the Organization as per G. O. I. norms. Special recruitment drive for SC, ST and OBC was also conducted in the year 2017.

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

**K.K.Tiwari**  
**Registrar**





भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

No. IITK/R/PQ/2019/56  
February 06, 2019

Shri. Kundan Nath  
Under Secretary (IITs)  
Technical Section 1,  
Department of Higher Education  
Ministry of Human Resource Development  
428-C, Shastri Bhawan,  
New Delhi - 110011

**Sub: URGENT-Lok Sabha Starred Question No. 101 to be replied on 11.02.2019 regarding "Vacant Posts".**

Dear Sir,

Kindly refer to your email dated February 06, 2019, regarding the subject cited above.

Appended below, please find the point-wise reply of the ibid email, in so far they relate to this Institute:

- (a) the percentage of reservation for the people from Other Backward Caste (OBC), Scheduled Caste (SC) and Scheduled Tribe (ST) communities in jobs in the Ministry and its subordinate offices, central universities and other higher educational/technical/management institutes during the last three years;

**Reply -**

**For Academic Posts** - IITs follow a flexible cadre structure and hence there are no fixed numbers of vacant posts. Only the overall faculty positions are pegged at 10% of student Strength. Therefore, exact number of reserve post under SC, ST, OBC and General category is not available. Sanctioned posts as per 10% of student strength are 694 and total filled are 421. Existing bifurcation is: SC- 3, ST- 0, OBC- 4.

**For Non-Academic Posts** - The reservation is as per GOI guidelines.

- (b) the number of vacant posts of OBC, SC and ST communities in the Ministry and its subordinate offices, central universities and other educational/technical/management institutes during the above period;

**Reply -**

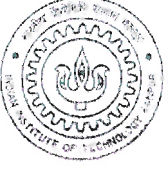
**For Academic Posts** - IITs follow a flexible cadre structure and hence there are no fixed numbers of vacant posts. Only the overall faculty positions are pegged at 10% of student Strength. Therefore, exact number of reserve post under SC, ST, OBC and General category is not available. Sanctioned posts as per 10% of student strength are 694 and total filled are 421. Existing bifurcation is: SC- 3, ST- 0, OBC- 4.

**For Non-Academic Posts** - The list, as per the format, is attached as **Annexure - A**.

- (c) the number-wise, post-wise, pay scale and company-wise details of the people engaged through outsourcing;

**Reply - NIL**

06/2/19



भारतीय प्रौद्योगिकी संस्थान कानपुर  
कुलसचिव कार्यालय  
INDIAN INSTITUTE OF TECHNOLOGY KANPUR  
REGISTRAR'S OFFICE

- (d) whether the students belonging to OBC, SC and ST communities are under-performing academically in Delhi University as they do not have a good command over English language; and

**Reply** - Information does not pertain to IIT Kanpur.

- (e) if so, the details thereof along with the reaction of the Government in this regard?

**Reply** - Not Applicable.

Hope, you will find the above information in order.

With best regards.

Yours sincerely,

**K.K. Tiwari**  
**Registrar**

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**

ANNEXURE-A

Year 2015-16

Statement of Non-Teaching position (Category -wise) indicating sanctioned/filledup/vacant positions																				
Sl. No.	Name of University/Institute	Category of posts	Statement of Non-Teaching staff strength (category-wise)																	% of vacancy
			No. of sanctioned posts					No. of Existing Posts (01.01.2016)					No of Vacant Posts							
			GEN	SC	ST	OBC	PWD	TOTAL	GEN	SC	ST	OBC	PWD	TOTAL	GEN	SC	ST	OBC	PWD	
1	2	3	4					5					6							
1																				
2	IIT Kanpur	GROUP A	The non-academic vacancies of IIT Kanpur is correlated with the students strength (10:1.1). This is as per the GOI instructions.					28	8	1	9	0	46	No vacant posts as on 31.12.2018					NA	
...		GROUP B						162	63	12	44	6	287							
		GROUP C						109	41	0	50	6	206							
		GROUP D						44	27	0	8	0	79							
																				618

Year 2016-17

Statement of Non-Teaching position (Category -wise) indicating sanctioned/filledup/vacant positions																				
Sl. No.	Name of University/Institute	Category of posts	Statement of Non-Teaching staff strength (category-wise)																	% of vacancy
			No. of sanctioned posts					No. of Existing Posts (01.01.2017)					No of Vacant Posts							
			GEN	SC	ST	OBC	PWD	TOTAL	GEN	SC	ST	OBC	PWD	TOTAL	GEN	SC	ST	OBC	PWD	
1	2	3	4					5					6							
1																				
2	IIT Kanpur	GROUP A	The non-academic vacancies of IIT Kanpur is correlated with the students strength (10:1.1). This is as per the GOI instructions.					22	9	1	10	0	42	No vacant posts as on 31.12.2018					NA	
...		GROUP B						149	61	12	45	7	274							
		GROUP C						113	44	0	53	6	216							
		GROUP D						36	29	0	8	0	73							
																				605

Year 2017-18

Statement of Non-Teaching position (Category -wise) indicating sanctioned/filledup/vacant positions																				
Sl. No.	Name of University/Institute	Category of posts	Statement of Non-Teaching staff strength (category-wise)																	% of vacancy
			No. of sanctioned posts					No. of Existing Posts (01.01.2018)					No of Vacant Posts							
			GEN	SC	ST	OBC	PWD	TOTAL	GEN	SC	ST	OBC	PWD	TOTAL	GEN	SC	ST	OBC	PWD	
1	2	3	4					5					6							
1																				
2	IIT Kanpur	GROUP A	The non-academic vacancies of IIT Kanpur is correlated with the students strength (10:1.1). This is as per the GOI instructions.					24	9	1	10	1	45	No vacant posts as on 31.12.2018					NA	
...		GROUP B						152	58	13	51	3	277							
		GROUP C						110	50	1	58	7	226							
		GROUP D						33	24	0	8	0	65							
																				613

*Handwritten signature and date: 06/2/19*