



## Extended Profile 1.1

**Number of courses offered by the Institutions across all programs during last five years**

Summary					
Year	2020-21	2019-20	2018-19	2017-18	2016-17
No. of Courses offered	975	801	912	920	922

Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

Revised Structure B. Tech 1st Year (Common)  
**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY, LUCKNOW**



**REVISED EVALUATION SCHEME  
&  
SYLLABUS**

**FOR  
B. TECH. I YEAR**

(All Branch except Agriculture (AG)  
and Biotechnology (BT))

**ON  
AICTE MODEL CURRICULUM)  
[Effective from the Session: 2020-21]**

  
Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

## Revised Structure B. Tech 1st Year (Common)

UG Stream Vs Allied Branch Classification 2020-21		Code
Stream	Branch Name	
Civil Engineering	Civil Engineering	CE
	Environmental Engineering	EV
Chemical Engineering	Chemical Engineering	CH
	Food Technology	FT
Computer Science	Computer Engineering (2019-20)	CS
	Computer Science	CS
	<b>Computer Science and Engineering (CS)</b>	<b>CSE</b>
	Computer Engineering And Information Technology	CSA
	Computer Science and Information Technology	CSIT
	Information Technology	IT
	Computer Science and Engineering (Artificial Intelligence) 2020-21	CSAI
	Computer Science and Engineering(Artificial Intelligence & Machine Learning) 2020-21	CSME
	Computer Science and Engineering (Data Science) 2020-21	CSDS
	Computer Science and Engineering (Internet Of Things) 2020-21	CSIOT
Electrical Engineering	Electrical Engineering	EE
	Electrical & Electronics Engineering	EN
Electronics Engineering	Applied Electronics & Instrumentation	AI
	Bio Medical Engineering	BM
	Instrumentation and Control Engineering, Instrumentation Engineering	IC
	Electronics Engineering	EL
	Electronics and Communication Engineering	EC
	Electronics And Computer Engineering	
	Electronics and Instrumentation Engineering	EI
	Electronics & Telecommunication Engineering	ET
Mechanical Engineering	Aeronautical Engineering	AE
	Automobile Engineering	AU
	Industrial Production Engineering	IP
	Manufacturing Technology	MT
	Mechanical and Industrial Engineering	MI
	Mechanical Engineering	ME
	Plastic Engineering	PL
	Production Engineering	PE
Textile Engineering	Carpet & Textile Chemistry	CT
	Textile Chemistry	TC
	Textile Technology	TT
	Handloom & Textile Technology 2020-21	HTT

  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306

## Revised Structure B. Tech 1st Year

### B. Tech 1st Year

(All branches except Bio Technology and Agriculture Engg.)  
Revised Structure in accordance with AICTE Model Curriculum  
Effective w.e.f. Academic Session 2020-21

### SEMESTER I

#### 3 WEEKS COMPULSORY INDUCTION PROGRAM

AICTE Guidelines in Model Curriculum: After successful completion of 160 credits, a student shall be eligible to get Under Graduate degree in Engineering. A student will be eligible to get Under Graduate degree with Honours only, if he/she completes additional university recommended courses only (Equivalent to 20 credits; NPTEL Courses of 4 Weeks, 8 Weeks and 12 Weeks shall be of 2, 3 and 4 Credits respectively) through MOOCs. For registration to MOOCs Courses, the students shall follow NPTEL Site <http://nptel.ac.in/> as per the NPTEL policy and norms. The students can register for these courses through NPTEL directly as per the course offering in Odd/Even Semesters at NPTEL. These NPTEL courses (recommended by the University) may be cleared during the B. Tech degree program (not necessary one course in each semester). After successful completion of these MooCs courses the students, shall, provide their successful completion NPTEL status/certificates to the University (COE) through their college of study only. The student shall be awarded Hons. Degree (on successful completion of MOOCS based 20 credit) only if he/she secures 7.50 or above CGPA and passed each subject of that Degree Programme in single attempt without any grace marks.



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Dronacharya Group of Institutions


27, K. J. Somaiya, Greater Koida-201306

Page 3



**Revised Structure B. Tech 1st Year**  
**B.Tech. I Semester**  
 (All branches except Bio Technology and Agriculture Engg.)

S. No.	Course Code	Course Title	Periods			Evaluation Scheme				End Semester		Total	Credits
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KAS101T/ KAS102T	Engineering Physics/ Engineering Chemistry	3	1	0	30	20	50		100		150	4
2	KAS103T	Engineering Mathematics-I	3	1	0	30	20	50		100		150	4
3	KEE101T/ KEC101T	Basic Electrical Engineering/ Emerging Domain in Electronics Engineering	3	0	0	30	20	50		100		150	3
4	KCS101T/ KME101T	Programming for Problem Solving / Fundamentals of Mechanical Engineering & Mechatronics	3	0	0	30	20	50		100		150	3
5	KAS151P/ KAS152P	Engineering Physics Lab/ Engineering Chemistry Lab	0	0	2				25		25	50	1
6	KEE151P/ KEC151P	Basic Electrical Engineering Lab/ Electronics Engineering Lab	0	0	2				25		25	50	1
7	KCS151P/ KAS154P	Programming for Problem Solving / English Language Lab	0	1	2				25		25	50	1
8	KCE151P/ KWS151P	Engineering Graphics & Design Lab/ Mechanical Workshop Lab	0	1	2				50		50	100	1
9	KMC101/ KMC102	AI For Engineering/ Emerging Technology for Engineering	2	0	0	15	10	25		25		50	2
10	KNC101	Soft Skill I	2	0	0	15	10	25		25			NC
11	MOOCs	(For B.Tech, Hons, Degree)*											
		<b>Total</b>										900	20

  
 Director

## Revised Structure B. Tech 1st Year

### B.Tech. II Semester

(All branches except Bio Technology and Agriculture Engg.)

S. No.	Course Code	Course Title	Periods			Evaluation Scheme				End Semester		Total	Credits
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KAS201T/ KAS202T	Engineering Physics/ Engineering Chemistry	3	1	0	30	20	50		100		150	4
2	KAS203T	Engineering Mathematics-II	3	1	0	30	20	50		100		150	4
3	KEE201T/ KEC201T	Basic Electrical Engineering/ Emerging Domain in Electronics Engineering	3	0	0	30	20	50		100		150	3
4	KCS201T/ KME201T	Programming for Problem Solving / Fundamentals of Mechanical Engineering & Mechatronics	3	0	0	30	20	50		100		150	3
5	KAS251P/ KAS252P	Engineering Physics Lab/ Engineering Chemistry Lab	0	0	2				25		25	50	1
6	KEE251P/ KEC251P	Basic Electrical Engineering Lab/ Electronics Engineering Lab	0	0	2				25		25	50	1
7	KCS251P/ KAS254P	Programming for Problem Solving / English Language Lab	0	1	2				25		25	50	1
8	KCE251P/ KWS251P	Engineering Graphics & Design Lab/ Mechanical Workshop Lab	0	1	2				50		50	100	1
9	KMC201/ KMC202	AI For Engineering/ Emerging Technology for Engineering	2	0	0	15	10	25		25		50	2
10	KNC201	Soft Skill II	2	0	0	15	10	25		25			NC
	MOOCs	(For B.Tech. Hons. Degree)*											
		<b>Total</b>										900	20

Mini Project or Internship (3-4 weeks) shall be conducted during summer break after II semester and will be assessed during III semester



Director

Director of Institutions

Revised Structure B. Tech 1st Year (Common)  
**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY, LUCKNOW**



**REVISED EVALUATION SCHEME  
&  
SYLLABUS**

**FOR  
B. TECH. I YEAR**

(All Branch except Agriculture (AG)  
and Biotechnology (BT))

**ON  
AICTE MODEL CURRICULUM)  
[Effective from the Session: 2020-21]**

  
Director  
Dronacharya Group of Institutions  
27, KP-II, Greater Noida-201306

## Revised Structure B. Tech 1st Year (Common)

UG Stream Vs Allied Branch Classification 2020-21		Code
Stream	Branch Name	
Civil Engineering	Civil Engineering	CE
	Environmental Engineering	EV
Chemical Engineering	Chemical Engineering	CH
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Computer Science	Computer Engineering (2019-20)	CS
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	<b>Computer Science and Engineering (CS)</b>	<b>CSE</b>
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	Computer Science and Information Technology	CSIT
	Information Technology	IT
	Computer Science and Engineering (Artificial Intelligence) 2020-21	CSAI
	Computer Science and Engineering(Artificial Intelligence & Machine Learning) 2020-21	CSME
	Computer Science and Engineering (Data Science) 2020-21	CSDS
	Computer Science and Engineering (Internet Of Things) 2020-21	CSIoT
Electrical Engineering	Electrical Engineering	EE
	Electrical & Electronics Engineering	EN
Electronics Engineering	Applied Electronics & Instrumentation	AI
	Bio Medical Engineering	BM
	Instrumentation and Control Engineering, Instrumentation Engineering	IC
	Electronics Engineering	EL
	Electronics and Communication Engineering	EC
	Electronics And Computer Engineering	
	Electronics and Instrumentation Engineering	EI
	Electronics & Telecommunication Engineering	ET
Mechanical Engineering	Aeronautical Engineering	AE
	Automobile Engineering	AU
	Industrial Production Engineering	IP
	Manufacturing Technology	MT
	Mechanical and Industrial Engineering	MI
	Mechanical Engineering	ME
	Plastic Engineering	PL
	Production Engineering	PE
Textile Engineering	Carpet & Textile Chemistry	CT
	Textile Chemistry	TC
	Textile Technology	TT
	Handloom & Textile Technology 2020-21	HTT



**Director**

Dronacharya Group of Institutions  
C-22, Sector-111, Connaught Place, New Delhi-110028

## Revised Structure B. Tech 1st Year

### B. Tech 1st Year

(All branches except Bio Technology and Agriculture Engg.)  
Revised Structure in accordance with AICTE Model Curriculum  
Effective w.e.f. Academic Session 2020-21

### SEMESTER I

#### 3 WEEKS COMPULSORY INDUCTION PROGRAM

AICTE Guidelines in Model Curriculum: After successful completion of 160 credits, a student shall be eligible to get Under Graduate degree in Engineering. A student will be eligible to get Under Graduate degree with Honours only, if he/she completes additional university recommended courses only (Equivalent to 20 credits; NPTEL Courses of 4 Weeks, 8 Weeks and 12 Weeks shall be of 2, 3 and 4 Credits respectively) through MOOCs. For registration to MOOCs Courses, the students shall follow NPTEL Site <http://nptel.ac.in/> as per the NPTEL policy and norms. The students can register for these courses through NPTEL directly as per the course offering in Odd/Even Semesters at NPTEL. These NPTEL courses (recommended by the University) may be cleared during the B. Tech degree program (not necessary one course in each semester). After successful completion of these MooCs courses the students, shall, provide their successful completion NPTEL status/certificates to the University (COE) through their college of study only. The student shall be awarded Hons. Degree (on successful completion of MOOCS based 20 credit) only if he/she secures 7.50 or above CGPA and passed each subject of that Degree Programme in single attempt without any grace marks.



Director

Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

**Revised Structure B. Tech 1st Year**  
**B.Tech. I Semester**  
(All branches except Bio Technology and Agriculture Engg.)

S. No.	Course Code	Course Title	Periods			Evaluation Scheme				End Semester		Total	Credits	
			L	T	P	CT	TA	Total	PS	TE	PE			
1	KAS101T/ KAS102T	Engineering Physics/ Engineering Chemistry	3	1	0	30	20	50		100		150	4	
2	KAS103T	Engineering Mathematics-I	3	1	0	30	20	50		100		150	4	
3	KEE101T/ KEC101T	Basic Electrical Engineering/ Emerging Domain in Electronics Engineering	3	0	0	30	20	50		100		150	3	
4	KCS101T/ KME101T	Programming for Problem Solving / Fundamentals of Mechanical Engineering & Mechatronics	3	0	0	30	20	50		100		150	3	
5	KAS151P/ KAS152P	Engineering Physics Lab/ Engineering Chemistry Lab	0	0	2					25		25	50	1
6	KEE151P/ KEC151P	Basic Electrical Engineering Lab/ Electronics Engineering Lab	0	0	2					25		25	50	1
7	KCS151P/ KAS154P	Programming for Problem Solving / English Language Lab	0	1	2					25		25	50	1
8	KCE151P/ KWS151P	Engineering Graphics & Design Lab/ Mechanical Workshop Lab	0	1	2					50		50	100	1
9	KMC101/ KMC102	AI For Engineering/ Emerging Technology for Engineering	2	0	0	15	10	25		25		50	2	
10	KNC101	Soft Skill I	2	0	0	15	10	25		25			NC	
11	MOOCs	(For B.Tech. Hons. Degree)*												
		<b>Total</b>										900	20	



**Director**  
**Dronacharya Group of Institutions**  
27, KP-III, Greater Noida-201305




Revised Structure B. Tech 1st Year

**B.Tech. II Semester**

(All branches except Bio Technology and Agriculture Engg.)

S. No.	Course Code	Course Title	Periods			Evaluation Scheme				End Semester		Total	Credits
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KAS201T/ KAS202T	Engineering Physics/ Engineering Chemistry	3	1	0	30	20	50		100		150	4
2	KAS203T	Engineering Mathematics-II	3	1	0	30	20	50		100		150	4
3	KEE201T/ KEC201T	Basic Electrical Engineering/ Emerging Domain in Electronics Engineering	3	0	0	30	20	50		100		150	3
4	KCS201T/ KME201T	Programming for Problem Solving / Fundamentals of Mechanical Engineering & Mechatronics	3	0	0	30	20	50		100		150	3
5	KAS251P/ KAS252P	Engineering Physics Lab/ Engineering Chemistry Lab	0	0	2				25		25	50	1
6	KEE251P/ KEC251P	Basic Electrical Engineering Lab/ Electronics Engineering Lab	0	0	2				25		25	50	1
7	KCS251P/ KAS254P	Programming for Problem Solving / English Language Lab	0	1	2				25		25	50	1
8	KCE251P/ KWS251P	Engineering Graphics & Design Lab/ Mechanical Workshop Lab	0	1	2				50		50	100	1
9	KMC201/ KMC202	AI For Engineering/ Emerging Technology for Engineering	2	0	0	15	10	25		25		50	2
10	KNC201	Soft Skill II	2	0	0	15	10	25		25			NC
	MOOCs	(For B.Tech. Hons. Degree)*											
		<b>Total</b>										900	20

Mini Project or Internship (3-4 weeks) shall be conducted during summer break after II semester and will be assessed during III semester

  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY,  
UTTAR PRADESH, LUCKNOW**



## **Revised Evaluation Scheme & Syllabus**

**MBA**

**(Dual Specialization in Marketing, HR, Finance, Operation, IB & IT)**

**First Year**

**AS PER**

**AICTE MODEL CURRICULUM**

**(Effective from the Session: 2020-21)**

  
**Director**

**Dronacharya Group of Institutions**  
27, KP-III, Greater Noida-201306

**MBA 1st Year Course Structure in accordance with  
AICTE Model Curriculum Effective w.e.f.  
Academic Session 2020-21  
Semester I**

SN	Codes	SUBJECT	PERIODS			INTERNAL EVALUATION SCHEME				END SEMESTER EVALUATION		TOTAL	CREDIT
			L	T	P	CT	TA	PS	TOTAL	TE	PE		
1	KMBN101	MANAGEMENT CONCEPTS & ORGANISATIONAL BEHAVIOUR	4	0	0	30	20	0	50	100	0	150	3
2	KMBN102	MANAGERIAL ECONOMICS	4	0	0	30	20	0	50	100	0	150	3
3	KMBN103	FINANCIAL ACCOUNTING & ANALYSIS	3	1	0	30	20	0	50	100	0	150	3
4	KMBN104	BUSINESS STATISTICS & ANALYTICS	3	1	0	30	20	0	50	100	0	150	3
5	KMBN105	MARKETING MANAGEMENT	4	0	0	30	20	0	50	100	0	150	3
6	KMBN106	DESIGN THINKING	2	0	0	15	10	0	25	50		75	2
7	KMBN107	BUSINESS COMMUNICATION	3	1	0	30	20	0	50	100	0	150	3
<b>LAB / PRACTICALS</b>													
8	KMBN151	IT SKILLS LAB -1	0	0	3	0		50	50	-	100	150	3
9	KMBN152	MINI PROJECT -1	0	0	3	0	0	25	25	0	50	75	3
												1200	26

  
**Director**  
 Dronacharya Group of Institutions  
 27, KP III, Greater Noida-201305

## Semester II

SN	CODE	SUBJECT	PERIODS			INTERNAL EVALUATION SCHEME				END SEMESTER EVALUATION		TOTAL	CREDIT
			L	T	P	CT	TA	PS	TOTAL	TE	PE		
1	KMBN201	BUSINESS ENVIRONMENT & LEGAL ASPECT OF BUSINESS	4	0	0	30	20	0	50	100	0	150	3
2	KMBN202	HUMAN RESOURCE MANAGEMENT	4	0	0	30	20	0	50	100	0	150	3
3	KMBN203	BUSINESS RESEARCH METHODS	4	0	0	30	20	0	50	100	0	150	3
4	KMBN204	FINANCIAL MANAGEMENT & CORPORATE FINANCE	3	1	0	30	20	0	50	100	0	150	3
5	KMBN205	OPERATIONS MANAGEMENT	3	1	0	30	20	0	50	100	0	150	3
6	KMBN206	QUANTITATIVE TECHNIQUES FOR MANAGERS	3	1	0	30	20	0	50	100	0	150	3
7	KMBN207	DIGITAL MARKETING & E-COMMERCE	4	0	0	30	20	0	50	100	0	150	3
8	KMBN208	MANAGEMENT INFORMATION SYSTEMS	2	0	0	15	10	0	25	25	0	50	2
			<b>LAB / PRACTICALS</b>										
9	KMBN251	IT SKILLS LAB-2	0	0	2	0	0	25	25	0	25	50	1
10	KMBN252	MINI PROJECT -2	0	0	3	0	0	25	25	0	25	50	2
											1200	26	

L/T/P – Lecture/Tutorial/Practical, CT/TA/PS- Class Test/Teachers Assessment/Practical Session, TE/PE- Term End/ Practical End



Director

Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY LUCKNOW**



**EVALUATION SCHEME & SYLLABUS  
FOR  
B. TECH. THIRD YEAR**

**Computer Engineering And Information Technology  
Computer Science and Information Technology  
Information Technology  
(IT and CSI)**

**On**

**Choice Based Credit System  
(Effective from the Session: 2020-21)**

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY,  
UTTAR PRADESH, LUCKNOW**

## B.TECH (INFORMATION TECHNOLOGY AND CSI) CURRICULUM STRUCTURE

SEMESTER- V													
Sl. No.	Subject	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
	Codes		L	T	P	CT	TA	Total	PS	TE	PE		
1	KCS501	Database Management System	3	1	0	30	20	50		100		150	4
2	KIT501	Web Technology	3	1	0	30	20	50		100		150	4
3	KCS503	Design and Analysis of Algorithm	3	1	0	30	20	50		100		150	4
4	Deptt.- Elective-I	Departmental Elective-I	3	0	0	30	20	50		100		150	3
5	Deptt.- Elective-II	Departmental Elective-II	3	0	0	30	20	50		100		150	3
6	KCS551	Database Management System Lab	0	0	2				25		25	50	1
7	KIT551	Web Technology Lab	0	0	2				25		25	50	1
8	KCS553	Design and Analysis of Algorithm Lab	0	0	2				25		25	50	1
9	KCS554	Mini Project or Internship Assessment*	0	0	2				50			50	1
10	KNC501/ KNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			
11		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>	<b>17</b>	<b>3</b>	<b>8</b>							<b>950</b>	<b>22</b>

\*The Mini Project or internship (4 weeks) conducted during summer break after IV semester and will be assessed during V semester.



SEMESTER- VI													
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KCS601	Software Engineering	3	1	0	30	20	50		100		150	4
2	KIT601	Data Analytics	3	1	0	30	20	50		100		150	4
3	KCS603	Computer Networks	3	1	0	30	20	50		100		150	4
4	Deptt- Elective-III	Departmental Elective-III	3	0	0	30	20	50		100		150	3
5		Open Elective-I	3	0	0	30	20	50		100		150	3
6	KCS651	Software Engineering Lab	0	0	2				25		25	50	1
7	KIT651	Data Analytics Lab	0	0	2				25		25	50	1
8	KCS653	Computer Networks Lab	0	0	2				25		25	50	1
9	KNC601/ KNC602	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			
10		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>	<b>0</b>	<b>3</b>	<b>6</b>							<b>900</b>	<b>21</b>

#### Departmental Elective-I

1. KIT-051 Statistical Computing
2. KIT-052 Compiler Design
3. KCS-053 Computer Graphics
4. KCS-054 Object Oriented System Design

#### Departmental Elective-II

5. KCS-055 Machine Learning Techniques
6. KCS-056 Application of Soft Computing
7. KCS-057 Augmented & Virtual Reality
8. KCS-058 Human Computer Interface

#### Departmental Elective-III

1. KCS-061 Big Data
2. KCS-062 Image Processing
3. KIT -061 Blockchain Architecture Design
4. KCS-064 Data Compression

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY LUCKNOW**



**EVALUATION SCHEME & SYLLABUS  
FOR  
B. TECH. THIRD YEAR**

**Computer Science  
Computer Engineering  
Computer Science and Engineering  
(Computer Science and Engineering/CS)**

**On**

**Choice Based Credit System  
(Effective from the Session: 2020-21)**

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY,  
UTTAR PRADESH, LUCKNOW**

Curriculum & Evaluation Scheme CS & CSE (V & VI semester)

  
Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

**B.TECH (COMPUTER SCIENCE & ENGINEERING/ COMPUTER SCIENCE)  
CURRICULUM STRUCTURE**

SEMESTER- V													
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KCS501	Database Management System	3	1	0	30	20	50		100		150	4
2	KCS502	Compiler Design	3	1	0	30	20	50		100		150	4
3	KCS503	Design and Analysis of Algorithm	3	1	0	30	20	50		100		150	4
4	Deptt. Elective-I	Departmental Elective-I	3	0	0	30	20	50		100		150	3
5	Deptt. Elective-II	Departmental Elective-II	3	0	0	30	20	50		100		150	3
6	KCS551	Database Management System Lab	0	0	2				25		25	50	1
7	KCS552	Compiler Design Lab	0	0	2				25		25	50	1
8	KCS553	Design and Analysis of Algorithm Lab	0	0	2				25		25	50	1
9	KCS554	Mini Project or Internship Assessment*	0	0	2				50			50	1
10	KNC501/ KNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			
11		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>	<b>17</b>	<b>3</b>	<b>8</b>							<b>950</b>	<b>22</b>

\*The Mini Project or internship (4 weeks) conducted during summer break after IV semester and will be assessed during V semester.

SEMESTER- VI													
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KCS601	Software Engineering	3	1	0	30	20	50		100		150	4
2	KCS602	Web Technology	3	1	0	30	20	50		100		150	4
3	KCS603	Computer Networks	3	1	0	30	20	50		100		150	4
4	Deptt. Elective-III	Departmental Elective-III	3	0	0	30	20	50		100		150	3
5		Open Elective-I [Annexure - B(iv)]	3	0	0	30	20	50		100		150	3
6	KCS651	Software Engineering Lab	0	0	2				25		25	50	1
7	KCS652	Web Technology Lab	0	0	2				25		25	50	1
8	KCS653	Computer Networks Lab	0	0	2				25		25	50	1
9	KNC601/ KNC602	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			
10		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>	<b>0</b>	<b>3</b>	<b>6</b>							<b>900</b>	<b>21</b>

#### Departmental Elective-I

1. KCS-051 Data Analytics
2. KCS-052 Web Designing
3. KCS-053 Computer Graphics
4. KCS-054 Object Oriented System Design

#### Departmental Elective-II

1. KCS-055 Machine Learning Techniques
2. KCS-056 Application of Soft Computing
3. KCS-057 Augmented & Virtual Reality
4. KCS-058 Human Computer Interface

#### Departmental Elective-III

1. KCS-061 Big Data
2. KCS-062 Image Processing
3. KCS-063 Real Time Systems
4. KCS-064 Data Compression

  
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DR. A.P.J. ABDUL KALAM TECHNICAL  
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EVALUATION SCHEME & SYLLABUS

FOR

B. TECH. THIRD YEAR

ELECTRONICS ENGINEERING  
ELECTRONICS AND COMMUNICATION ENGINEERING  
ELECTRONICS AND TELECOMMUNICATION ENGINEERING

AS PER

AICTE MODEL CURRICULUM

[Effective from the Session: 2020-21]

  
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27, 1st Floor, Sector 10, Lucknow-226006

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# ELECTRONICS AND COMMUNICATION ENGINEERING

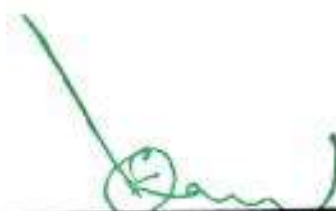
## B.Tech. V Semester

### Electronics and Communication Engineering

S. No.	Course Code	Course Title	Periods			Evaluation Scheme				End Semester		Total	Credits
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KEC-501	Integrated Circuits	3	1	0	30	20	50		100		150	4
2	KEC-502	Microprocessor & Microcontroller	3	1	0	30	20	50		100		150	4
3	KEC-503	Digital Signal Processing	3	1	0	30	20	50		100		150	4
4	KEC-051-054	Department Elective-I	3	0	0	30	20	50		100		150	3
5	KEC-055-058	Department Elective-II	3	0	0	30	20	50		100		150	3
6	KEC-551	Integrated Circuits Lab	0	0	2				25		25	50	1
7	KEC-552	Microprocessor & Microcontroller Lab	0	0	2				25		25	50	1
8	KEC-553	Digital Signal Processing Lab	0	0	2				25		25	50	1
9	KEC-554	Mini Project/Internship **	0	0	2				50			50	1
10	KNC501/KNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			NC
11		MOOCs (Essential for Hons, Degree)											
		<b>Total</b>										<b>950</b>	<b>22</b>

\*\*The Mini Project or Internship (4weeks) conducted during summer break after IV Semester and will be assessed during Vth Semester.

Course Code	Course Title
	<b>Department Elective-I</b>
KEC-051	Computer Architecture and Organization
KEC-052	Industrial Electronics
KEC-053	VLSI Technology
KEC-054	Advance Digital Design using Verilog
	<b>Department Elective-II</b>
KEC-055	Electronics Switching
KEC-056	Advance Semiconductor Device
KEC-057	Electronics Measurement & Instrumentation
KEC-058	Optical Communication



Director



# ELECTRONICS AND COMMUNICATION ENGINEERING

## B.Tech. VI Semester Electronics and Communication Engineering

S. No.	Course Code	Course Title	Periods			Evaluation Scheme				End Semester		Total	Credits
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KEC-601	Digital Communication	3	1	0	30	20	50		100		150	4
2	KEC-602	Control System	3	1	0	30	20	50		100		150	4
3	KEC-603	Antenna and Wave Propagation	3	1	0	30	20	50		100		150	4
4		Department Elective-III	3	0	0	30	20	50		100		150	3
5		Open Elective-I	3	0	0	30	20	50		100		150	3
6	KEC-651	Digital Communication Lab	0	0	2				25		25	50	1
7	KEC-652	Control System Lab	0	0	2				25		25	50	1
8	KEC-653	Elective Lab	0	0	2				25		25	50	1
9	KNC601/ KNC602	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			NC
10		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>										<b>900</b>	<b>21</b>

### Course Code

### Course Title

#### Department Elective-III

KEC-061	Microcontroller & Embedded System Design
KEC-062	Satellite Communication
KEC-063	Data Communication Networks
KEC-064	Analog Signal Processing
KEC-065	Random Variables & Stochastic Process

### Course Code

### Elective Lab

KEC-653A	Measurement & Instrumentation Lab
KEC-653B	Cad for Electronics Lab
KEC-653C	Microcontroller & Embedded System Design Lab



**ELECTRICAL & ELECTRONICS ENGINEERING**

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**DR. A.P.J. ABDUL KALAM TECHNICAL  
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**EVALUATION SCHEME & SYLLABUS  
FOR  
B. TECH. 3<sup>rd</sup> YEAR (EN)  
ELECTRICAL & ELECTRONICS ENGINEERING**

**BASED ON  
AICTE MODEL CURRICULUM  
*[Effective from the Session: 2020-21]***

# ELECTRICAL & ELECTRONICS ENGINEERING

## EVALUATION SCHEME - B.TECH 3<sup>rd</sup> YEAR (ELECTRICAL & ELECTRONICS ENGINEERING)

<b>SEMESTER V</b>													
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KEE501	Power System - I	3	1	0	30	20	50		100		150	4
2	KEE502	Control System	3	1	0	30	20	50		100		150	4
3	KEE503	Electrical Machines-II	3	1	0	30	20	50		100		150	4
4	KE*051-KE*054	Departmental Elective-I	3	0	0	30	20	50		100		150	3
5	KEE055-KEE058	Departmental Elective-II	3	0	0	30	20	50		100		150	3
6	KEE551	Power System-I Lab	0	0	2				25		25	50	1
7	KEE552	Control System Lab	0	0	2				25		25	50	1
8	KEE553	Electrical Machines - II Lab	0	0	2				25		25	50	1
9	KEN554	Mini Project or Internship Assessment*	0	0	2				50			50	1
10	KNC501/ KNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			
11		MOOCs (Essential for Hons. Degree)											
<b>Total</b>			<b>17</b>	<b>3</b>	<b>8</b>							<b>950</b>	<b>22</b>

\*The Mini Project or Internship (4 weeks) conducted during summer break after IV semester and will be assessed during V semester.

### DEPARTMENT ELECTIVE - I

KEE051 Robotics  
 KEE052 Sensors and Transducers  
 KEE053 Industrial Automation and Control  
 KEN051 Bio-Medical Instrumentation

### DEPARTMENT ELECTIVE - II

KEE055 Optimization Techniques  
 KEE056 Neural Networks & Fuzzy System  
 KEE057 Digital Signal Processing  
 KEE058 Analog & Digital Communication

  
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# ELECTRICAL & ELECTRONICS ENGINEERING

<b>SEMESTER VI</b>													
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KEE601	Power System-II	3	1	0	30	20	50		100		150	4
2	KEE602	Microprocessor and Microcontroller	3	1	0	30	20	50		100		150	4
3	KEE603	Power Electronics	3	1	0	30	20	50		100		150	4
4	KE*06*	Departmental Elective-III	3	0	0	30	20	50		100		150	3
5	KOE06*	Open Elective-I	3	0	0	30	20	50		100		150	3
6	KEE651	Power System-II Lab	0	0	2				25		25	50	1
7	KEE652	Microprocessor and Microcontroller Lab	0	0	2				25		25	50	1
8	KEE653	Power Electronics Lab	0	0	2				25		25	50	1
10	KNC601/ KNC602	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			
11		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>	<b>17</b>	<b>3</b>	<b>6</b>							<b>900</b>	<b>21</b>

### DEPARTMENT ELECTIVE - III

KEE 061 Special Electrical Machines  
 KEN 061 Linear Integrated Circuits  
 KEE 063 Digital Control System  
 KEN 062 Embedded Systems

  
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**STUDY & EVALUATION SCHEME WITH SYLLABUS**

**FOR**

**B. TECH. 3<sup>rd</sup> YEAR**

**MECHANICAL ENGINEERING**

**[Effective from Session: 2020-21]**

  
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## MECHANICAL ENGINEERING#

### Syllabus Content of B. Tech Mechanical Engineering

S. No.	Code	Departmental Component	Subject Name	L T P	Credits	Page No.
1	<b>Third Year Evaluation Scheme (V &amp; VI Semester)</b>					03
2	<b>Departmental Electives from Fifth to Seventh Semester &amp; Suggested MOOCs Courses</b>					04
3	KME 501	Core	Heat and Mass Transfer	3 1 0	4	06
4	KME 502	Core	Strength of Material	3 1 0	4	08
5	KME 503	Core	Industrial Engineering	3 1 0	4	10
6	KME 551	Lab	Heat and Mass Transfer Lab	0 0 2	1	12
7	KME 552	Lab	Python Lab	0 0 2	1	13
8	KME 553	Lab	Internet of Things Lab	0 0 2	1	15
9	KME 051	Elective I	Computer Integrated Manufacturing	3 0 0	3	17
10	KME 052	Elective I	Mechatronics Systems	3 0 0	3	19
11	KME 053	Elective I	Finite Element Methods	3 0 0	3	21
12	KME 054	Elective I	I C Engine Fuel and Lubrication	3 0 0	3	22
13	KAU 051	Elective I	Automobile Engines & Combustion	3 0 0	3	24
14	KME 055	Elective II	Advance welding	3 0 0	3	26
15	KME 056	Elective II	Programming, Data Structures and Algorithms Using Python	3 0 0	3	28
16	KME 057	Elective II	Mechanical Vibrations	3 0 0	3	29
17	KME 058	Elective II	Fuels and Combustion	3 0 0	3	31
18	KAU 052	Elective II	Automotive chassis and suspension	3 0 0	3	33
19	KME 601	Core	Refrigeration and Air Conditioning	3 1 0	4	35
20	KME 602	Core	Machine Design	3 1 0	4	37
21	KME 603	Core	Theory of Machines	3 1 0	4	39
22	KME 651	Lab	Refrigeration and Air Conditioning Lab	0 0 2	1	41
23	KME 652	Lab	Machine Design Lab	0 0 2	1	42
24	KME 653	Lab	Theory of Machines Lab	0 0 2	1	43
25	KME 061	Elective III	Nondestructive Testing	3 0 0	3	44
26	KME 062	Elective III	Artificial Intelligence	3 0 0	3	46
27	KME 063	Elective III	Tribology	3 0 0	3	48
28	KME 064	Elective III	Gas Dynamics and Jet Propulsion	3 0 0	3	50
29	KAU 061	Elective III	Automotive Electrical and Electronics	3 0 0	3	51
30	<b>Fourth Year Evaluation Scheme (VII &amp; VIII Semester) Effective in session 2021-22</b>					53
31	KME 071	Elective IV	Additive Manufacturing	3 0 0	3	54
32	KME 072	Elective IV	HVAC systems	3 0 0	3	56
33	KAU 072	Elective IV	Hybrid Vehicle Propulsion	3 0 0	3	58
34	KME 073	Elective V	Mathematical Modeling of Manufacturing Processes	3 0 0	3	60
35	KME 074	Elective V	Machine Learning	3 0 0	3	62
36	KME 075	Elective V	Computer Graphics and product modeling	3 0 0	3	64
37	KME 076	Elective V	Power Plant Engineering	3 0 0	3	66
38	KAU 073	Elective V	Vehicle Body Engineering & safety	3 0 0	3	68



## MECHANICAL ENGINEERING#

### B. Tech Mechanical Engineering Evaluation Scheme

SEMESTER- V														
Sl. No.	Code	Subject	Periods			Evaluation Scheme			End Semester			Total	Credits	
			L	T	P	CT	TA	Total	PS	TE	PE			
1	KME 501	Heat and Mass Transfer	3	1	0	30	20	50		100		150	4	
2	KME 502	Strength of Material	3	1	0	30	20	50		100		150	4	
3	KME 503	Industrial Engineering	3	1	0	30	20	50		100		150	4	
4		Departmental Elective-I	3	0	0	30	20	50		100		150	3	
5		Departmental Elective-II	3	0	0	30	20	50		100		150	3	
6	KME 551	Heat Transfer LAB	0	0	2				25		25	50	1	
7	KME 552	Python Lab	0	0	2				25		25	50	1	
8	KME 553	Internet of Things Lab	0	0	2				25		25	50	1	
9	KME 554	Mini Project or Internship Assessment*	0	0	2				50			50	1	
10	KNC501/ KNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			NC	
11	MOOCs (Essential for Hons. Degree)													
	<b>Total</b>		<b>17</b>	<b>3</b>	<b>6</b>							<b>950</b>	<b>22</b>	

\*The Mini Project or internship (4 - 5 weeks) conducted during summer break after IV semester and will be assessed during V semester.

SEMESTER- VI													
Sl. No.	Code	Subject	Periods			Evaluation Scheme			End Semester			Total	Credits
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KME 601	Refrigeration and Air Conditioning	3	1	0	30	20	50		100		150	4
2	KME 602	Machine Design	3	1	0	30	20	50		100		150	4
3	KME 603	Theory of Machine	3	1	0	30	20	50		100		150	4
4		Departmental Elective-III	3	0	0	30	20	50		100		150	3
5		Open Elective-I	3	0	0	30	20	50		100		150	3
6	KME 651	Refrigeration and Air Conditioning Lab	0	0	2				25		25	50	1
7	KME 652	Machine Design Lab	0	0	2				25		25	50	1
8	KME 653	Theory of Machine Lab	0	0	2				25		25	50	1
9	KNC601/ KNC602	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			NC
10	<b>Total</b>		<b>17</b>	<b>3</b>	<b>6</b>							<b>900</b>	<b>21</b>

## MECHANICAL ENGINEERING#

It is suggested that the students should choose Departmental Electives Specializationwise that will support them to gain enough learning of the chosen Specialization.

### Department Electives

	Specialization-1	Specialization-2	Specialization-3	Specialization-4	Specialization-5
<b>Specialization</b>	<b>Manufacturing and Automation</b>	<b>Automation and Industry 4.0</b>	<b>Design and Analysis</b>	<b>Thermal Engineering</b>	<b>Automobile Engineering</b>
<b>Sem V Code</b>	KME 051	KME 052	KME 053	KME 054	KAU 051
<b>Departmental Elective-I</b>	Computer Integrated Manufacturing	Mechatronics Systems	Finite Element Methods	I C Engine Fuel and Lubrication	Automobile Engines & Combustion
<b>Sem V Code</b>	KME 055	KME 056	KME 057	KME 058	KAU 052
<b>Departmental Elective-II</b>	Advance welding	Programming, Data Structures And Algorithms Using Python	Mechanical Vibrations	Fuels and Combustion	Automotive chassis and suspension
<b>Sem VI Code</b>	KME 061	KME 062	KME 063	KME 064	KAU 061
<b>Departmental Elective-III</b>	Non destructive Testing	Artificial Intelligence	Tribology	Gas Dynamics and Jet Propulsion	Automotive Electrical and Electronics
<b>Sem VII Code</b>	KME 071			KME 072	KAU 072
<b>Departmental Elective-IV</b>	Additive manufacturing (Common to all Three Specializations)			HVAC systems	Hybrid Vehicle Propulsion
<b>Sem VII Code</b>	KME 073	KME 074	KME 075	KME 076	KAU 073
<b>Departmental Elective-V</b>	Mathematical Modeling of Manufacturing Processes	Machine Learning	Computer Graphics and product modeling	Power Plant Engineering	Vehicle Body Engineering & safety

  
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## MECHANICAL ENGINEERING#

It is suggested that the students may also do the following MOOCs in addition to mandatory courses. This will enhance their learning in a particular Specialization. One MOOC per semester is recommended.

### Suggested MOOCs Course

Specialization	Specialization -1	Specialization -2	Specialization -3	Specialization -4	Specialization -5
	Manufacturing and Automation	Automation and Industry 4.0	Design and Analysis	Thermal Engineering	Automobile Engineering
Sem V	<b>Advance Machining Process</b> <a href="https://swayam.gov.in/nd1_noc20_me76/preview">https://swayam.gov.in/nd1_noc20_me76/preview</a> By Prof. Manas Das, IIT Guwahati	<b>Control Systems</b> <a href="https://swayam.gov.in/nd1_noc20_ee90/preview">https://swayam.gov.in/nd1_noc20_ee90/preview</a> By Prof. C. S. Shankar Ram, IIT Madras	<b>Experimental Stress Analysis</b> <a href="https://swayam.gov.in/nd1_noc20_me02/preview">https://swayam.gov.in/nd1_noc20_me02/preview</a> By Prof. K. Ramesh IIT Madras	<b>Fluid dynamics and turbo machines</b> <a href="https://swayam.gov.in/nd1_noc20_me75/preview">https://swayam.gov.in/nd1_noc20_me75/preview</a> By Prof. Dhiman Chatterjee, Prof. Shomit Bakshi, IIT Madras	<b>Vehicle Dynamics</b> <a href="https://nptel.ac.in/courses/107/106/107106080/">https://nptel.ac.in/courses/107/106/107106080/</a> Prof P R Krishnakumar, IIT Madras
Sem VI	<b>Introduction to robotics</b> <a href="https://swayam.gov.in/nd1_noc20_de11/preview">https://swayam.gov.in/nd1_noc20_de11/preview</a> By Prof. Asokan T, Prof. Balaraman Ravindran, Prof. Krishna Vasudevan, IIT Madras	<b>Introduction to robotics</b> <a href="https://swayam.gov.in/nd1_noc20_de11/preview">https://swayam.gov.in/nd1_noc20_de11/preview</a> By Prof. Asokan T, Prof. Balaraman Ravindran, Prof. Krishna Vasudevan, IIT Madras	<b>Introduction to CFD</b> <a href="https://swayam.gov.in/nd1_noc20_ae11/preview">https://swayam.gov.in/nd1_noc20_ae11/preview</a> By Prof. Arnab Roy, IIT Kharagpur	<b>Introduction to CFD</b> <a href="https://swayam.gov.in/nd1_noc20_ae11/preview">https://swayam.gov.in/nd1_noc20_ae11/preview</a> By Prof. Arnab Roy, IIT Kharagpur	<b>Control Systems</b> <a href="https://swayam.gov.in/nd1_noc20_ee90/preview">https://swayam.gov.in/nd1_noc20_ee90/preview</a> By Prof. C. S. Shankar Ram, IIT Madras
Sem VII	<b>Automation in Manufacturing</b> <a href="https://swayam.gov.in/nd1_noc20_me58/preview">https://swayam.gov.in/nd1_noc20_me58/preview</a> By Prof. Shrikrishna N. Joshi, IIT Guwahati	<b>Introduction to Industry 4.0 and Industrial Internet of Things</b> <a href="https://swayam.gov.in/nd1_noc20_cs69/preview">https://swayam.gov.in/nd1_noc20_cs69/preview</a> By Prof. Sudip Misra, IIT Kharagpur	<b>Introduction to Composites</b> <a href="https://swayam.gov.in/nd1_noc20_me95/preview">https://swayam.gov.in/nd1_noc20_me95/preview</a> By Prof. Nachiketa Tiwari, IIT Kanpur	<b>Fundamentals of Compressible Flow</b> <a href="https://swayam.gov.in/explorer?searchText=Compressible%20Flow">https://swayam.gov.in/explorer?searchText=Compressible%20Flow</a> By Prof. Niranjana Sahoo, IIT Guwahati	<b>Introduction to hybrid and Electric Vehicles MOOC:</b> <a href="https://nptel.ac.in/courses/108/103/108103009/">https://nptel.ac.in/courses/108/103/108103009/</a> Dr. Praveen Kumar, Prof. S. Majhi, IIT Guwahati
Sem VIII	<b>Production and Operation Management</b> <a href="https://swayam.gov.in/nd1_noc20_mg06/preview">https://swayam.gov.in/nd1_noc20_mg06/preview</a> By Prof. Rajat Agrawal, IIT Roorkee	<b>Supply Chain management</b> <a href="https://swayam.gov.in/nd2_cec20_mg11/preview">https://swayam.gov.in/nd2_cec20_mg11/preview</a> By Dr. P. Chitramani, Avinashilingam Institute for Home Science and Higher Education for Women	<b>Material Characterization</b> <a href="https://swayam.gov.in/nd1_noc20_mm14/preview">https://swayam.gov.in/nd1_noc20_mm14/preview</a> By Prof. Sankaran S, IIT Madras	<b>Computational Fluid Dynamics for Incompressible Flows</b> <a href="https://swayam.gov.in/nd1_noc20_me06/preview">https://swayam.gov.in/nd1_noc20_me06/preview</a> By Prof. Amaresh Dalal, IIT Guwahati	<b>Fuel Cell Technology</b> <a href="https://nptel.ac.in/courses/103/102/103102015/">https://nptel.ac.in/courses/103/102/103102015/</a> By Dr. Anil Verma, IIT Guwahati & Prof. S. Basu, IIT Delhi

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**Evaluation Scheme & Syllabus  
For  
MBA Second Year  
AS PER AICTE MODEL CURRICULUM**

**(Effective from the Session: 2019-20)**

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## MBA Scheme of Teaching & Evaluation for Session 2019-20

SEMESTER III												
S. No.	Code	Course Title	Periods			Evaluation Scheme					Credit	
						Sessional Exams				Total		
			L	T	P	CT	TA	Total	ESE			
1	KMB301	Strategic Management	4	0	0	30	20	50	100	150	3	
2	KMB302	International Business Management	4	0	0	30	20	50	100	150	3	
3		Specialization Group -1	4	0	0	30	20	50	100	150	3	
		Elective 1*										
4		Specialization Group -1	4	0	0	30	20	50	100	150	3	
		Elective 2*										
5		Specialization Group -1	4	0	0	30	20	50	100	150	3	
		Elective 3*										
6		Specialization Group -2	4	0	0	30	20	50	100	150	3	
		Elective 1*										
7		Specialization Group -2	4	0	0	30	20	50	100	150	3	
		Elective 2*										
8	KMB303	Summer Training Project Report & Viva Voce	2	0	0	0	0	50	100	150	3	
		<b>TOTAL</b>							<b>800</b>	<b>1200</b>	<b>24</b>	



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SEMESTER IV											
S. No.	Code	Course Title	Evaluation Scheme								Credit
			Sessional Exams								
			L	T	P	CT	TA	Total	ESE	Total	
1	KMB401	Project Management	4	0	0	30	20	50	100	150	3
2	KMB402	Entrepreneurship Development	4	0	0	30	20	50	100	150	3
3	KVE401	Universal Human Values and Professional Ethics	4	0	0	30	20	50	100	150	3
4		Specialization Group -1	4	0	0	30	20	50	100	150	3
		Elective 4*									
5		Specialization Group -1	4	0	0	30	20	50	100	150	3
		Elective 5*									
6		Specialization Group -2	4	0	0	30	20	50	100	150	3
		Elective 3*									
7	KMB405	Research Project Report and Viva Voce	4	0	0	0	0	100	200	300	6
		<b>TOTAL</b>							<b>800</b>	<b>1200</b>	<b>24</b>



Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306



**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY LUCKNOW**



**Evaluation Scheme & Syllabus**

**For**

**B.Tech. 2<sup>nd</sup> Year**

**(Information Technology)**

**On**

**AICTE Model Curriculum**

**(Effective from the Session: 2019-20)**

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY LUCKNOW**

A handwritten signature in green ink, appearing to be "Dronacharya", is written over the word "Director".

**Director**

**Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306**

**B.TECH (COMPUTER SCIENCE AND ENGINEERING)**

**Information Technology**

**SEMESTER- III**


Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KOE031-38/ KAS302	Engineering Science Course/Maths-IV	3	1	0	30	20	50		100		150	4
2	KAS301/ KVE301	Technical Communication/Universal Human Values	2	1	0	30	20	50		100		150	3
			5	0	0								
3	KCS301	Data Structure	3	1	0	30	20	50		100		150	4
4	KCS302	Computer Organization and Architecture	3	1	0	30	20	50		100		150	4
5	KCS303	Discrete Structures & Theory of Logic	3	0	0	30	20	50		100		150	3
6	KCS351	Data Structures Using C Lab	0	0	2				25		25	50	1
7	KCS352	Computer Organization Lab	0	0	2				25		25	50	1
8	KCS353	Discrete Structure & Logic Lab	0	0	2				25		25	50	1
9	KCS354	Mini Project or Internship Assessment*	0	0	2			50				50	1
10	KNC301/ KNC302	Computer System Security/Python Programming	2	0	0	15	10	25		50			0
11		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>										<b>950</b>	<b>22</b>

\*The Mini Project or internship (3-4 weeks) conducted during summer break after II semester and will be assessed during III semester.

  
**Director**  
 Dronacharya Group of Institutions  
 Knowledge Only Greater Noida-201306

**SEMESTER- IV**

Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KAS402/ KOE041-48	Maths IV/Engg. Science Course	3	1	0	30	20	50		100		150	4
2	KVE401/ KAS401	Universal Human Values/Technical Communication	3	0	0	30	20	50		100		150	3
			2	1	0								
3	KCS401	Operating Systems	3	0	0	30	20	50		100		150	3
4	KCS402	Theory of Automata and Formal Languages	3	1	0	30	20	50		100		150	4
5	KIT401	Web Designing	3	1	0	30	20	50		100		150	4
6	KCS451	Operating Systems Lab	0	0	2				25		25	50	1
7	KIT451	Web Designing Lab	0	0	2				25		25	50	1
8	KCS453	Python Language Programming Lab	0	0	2				25		25	50	1
9	KNC402/ KNC401	Python Programming/ Computer System Security	2	0	0	15	10	25		50			0
10		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>										<b>900</b>	<b>21</b>

  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306

**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY, LUCKNOW**



**EVALUATION SCHEME & SYLLABUS  
FOR**

**B. TECH. 2<sup>nd</sup> YEAR**

**ELECTRICAL & ELECTRONICS ENGINEERING**

**BASED ON**

**AICTE MODEL CURRICULUM**

**[Effective from the Session: 2019-20]**

**Director**

**Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306**

**EVALUATION SCHEME - B.TECH 2<sup>nd</sup> YEAR (ELECTRICAL & ELECTRONICS ENGINEERING)**

SEMESTER- III													
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KOE031-38/ KAS302	Engg. Science Course/Maths IV	3	1	0	30	20	50		100		150	4
2	KAS301/ KVE301	Technical Communication/ Universal Human values	2	1	0	30	20	50		100		150	3
			3	0	0								
3	KEE301	Electromagnetic Field Theory	3	1	0	30	20	50		100		150	4
4	KEE302	Electrical Measurements & Instrumentation	3	1	0	30	20	50		100		150	4
5	KEE303	Basic Signals & Systems	3	0	0	30	20	50		100		150	3
6	KEE351	Analog Electronics Lab	0	0	2				25		25	50	1
7	KEE352	Electrical Measurements and Instrumentation Lab	0	0	2				25		25	50	1
8	KEE353	Electrical Workshop	0	0	2				25		25	50	1
9	KEE354	Mini Project or Internship Assessment*	0	0	2			50				50	1
10	KNC301/ KNC302	Computer System Security/Python Programming	2	0	0	15	10	25		50			0
11		MOOCs (Essential for Hons Degree)											
		<b>Total</b>										<b>950</b>	<b>22</b>

\*The Mini Project or internship (3-4 weeks) conducted during summer break after 11 semester and will be assessed during III semester

SEMESTER IV													
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KAS402/ KOE041-48	Maths IV/ Engg. Science Course	3	1	0	30	20	50		100		150	4
2	KVE401/ KAS401	Universal Human Values/Technical Communication	3	0	0	30	20	50		100		150	3
			2	1	0								
3	KEE401	Digital Electronics	3	0	0	30	20	50		100		150	3
4	KEE402	Electrical Machines-I	3	1	0	30	20	50		100		150	4
5	KEE403	Networks Analysis & Synthesis	3	1	0	30	20	50		100		150	4
6	KEE451	Circuit Simulation Lab	0	0	2				25		25	50	1
7	KEE452	Electrical Machines-I Lab	0	0	2				25		25	50	1
8	KEE453	Digital Electronics Lab	0	0	2				25		25	50	1
9	KNC402/ KNC401	Python Programming/Computer System Security	2	0	0	15	10	25		50			0
10		MOOCs (Essential for Hons Degree)											
		<b>Total</b>										<b>900</b>	<b>21</b>

  
**Director**  
 Dronacharya Group of Institutions  
 27, KP-II, Sector-14A-201306

## Semester-III

### ELECTROMAGNETIC FIELD THEORY

Course Outcomes:		Knowledge Level, KL
Upon the completion of the course, the student will be able to:		
CO 1	Apply different coordinate systems and their application in electromagnetic field theory, establish a relation between any two systems and also understand the vector calculus.	K <sub>3</sub>
CO2	Understand the concept of static electric field. Understand the concept of current and properties of conductors. Establish boundary conditions and to calculate capacitances of different types of capacitors	K <sub>4</sub>
CO3	Understand the concept of static magnetic field, magnetic scalar and vector potential	K <sub>4</sub>
CO4	Understand the forces due to magnetic field, magnetization, magnetic boundary conditions and inductors.	K <sub>4</sub>
CO5	Understand displacement current, time varying fields, propagation and reflection of EM waves and transmission lines.	K <sub>3</sub>

*KL- Bloom's Knowledge Level (K<sub>1</sub>, K<sub>2</sub>, K<sub>3</sub>, K<sub>4</sub>, K<sub>5</sub>, K<sub>6</sub>)*

*K<sub>1</sub> – Remember K<sub>2</sub> – Understand K<sub>3</sub> – Apply K<sub>4</sub> – Analyze K<sub>5</sub> – Evaluate K<sub>6</sub> – Create*

#### Detailed Syllabus:

##### UNIT I

Coordinate Systems and Transformation: Basics of Vectors: Addition, subtraction and multiplications; Cartesian, Cylindrical, Spherical transformation. Vector calculus: Differential length, area and volume, line surface and volume integrals, Del operator, Gradient, Divergence of a vector, Divergence theorem, Curl of a vector, Stokes's theorem, Laplacian of a scalar.

##### Unit II

Electrostatic fields: Coulombs law and field intensity, Electric field due to charge distribution, Electric flux density, Gauss's Law- Maxwell's equation, Electric dipole and flux line, Energy density in electrostatic fields, Electric field in material space: Properties of materials, convection and conduction currents, conductors, polarization in dielectrics, Dielectric-constants, Continuity equation and relaxation time, boundary conditions, Electrostatic boundary value problems: Poisson's and Laplace's equations., Methods of Images.

##### Unit III

Magneto statics : Magneto-static fields, Biot - Savart's Law, Ampere's circuit law, Maxwell's equation, Application of ampere's law, Magnetic flux density- Maxwell's equation, Maxwell's equation for static fields, magnetic scalar and vector potential.

##### Unit IV

Magnetic forces: Materials and devices, Forces due to magnetic field, Magnetic torque and moment, a magnetic dipole, Magnetization in materials, Magnetic boundary conditions, Inductors and inductances, Magnetic energy.

##### Unit V

Waves and Applications: Maxwell's equation, Faraday's Law, transformer and motional electromotive forces, Displacement current, Maxwell's equation in final form, Electromagnetic wave propagation: Wave propagation in loss dielectrics, Plane waves in lossless dielectrics Plane



**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY LUCKNOW**



**EVALUATION SCHEME & SYLLABUS  
FOR  
B. TECH 2<sup>nd</sup> YEAR  
MECHANICAL ENGINEERING**

**On**

**AICTE Model Curriculum**

**(EFFECTIVE FROM THE SESSION: 2019-20)**

A handwritten signature in green ink, appearing to be 'D. K. Singh', is written over a horizontal line.

**Director**

**Dronacharya Group of Institutions  
27, KP-II, Sector Noida-201305**

### B.Tech. (Mechanical Engineering)

#### SEMESTER- III

Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KOE031-38/ KAS302	Engg. Science Course/Maths IV	3	1	0	30	20	50		100		150	4
2	KAS301/ KVE301	Technical Communication/Universal Human Values	2	1	0	30	20	50		100		150	3
			3	0	0								
3	KME301	Thermodynamics	3	1	0	30	20	50		100		150	4
4	KME302	Fluid Mechanics & Fluid Machines	3	1	0	30	20	50		100		150	4
5	KME303	Materials Engineering	3	0	0	30	20	50		100		150	3
6	KME351	Fluid Mechanics Lab	0	0	2				25		25	50	1
7	KME352	Material Testing Lab	0	0	2				25		25	50	1
8	KME353	Computer Aided Machine Drawing-I Lab	0	0	2				25		25	50	1
9	KME354	Mini Project or Internship Assessment*	0	0	2			50				50	1
10	KNC301/ KNC302	Computer System Security/Python Programming	2	0	0	15	10	25		50			0
11		MOOCs (Essential for Hons Degree)											
		<b>Total</b>										<b>950</b>	<b>22</b>

\*The Mini Project or internship (3-4 weeks) conducted during summer break after II semester and will be assessed during III semester

#### SEMESTER- IV

Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KAS402/ KOE041-48	Maths IV/Engg. Science Course	3	1	0	30	20	50		100		150	4
2	KVE401/ KAS401	Universal Human Values/Technical Communication	3	0	0	30	20	50		100		150	3
			2	1	0								
3	KME401	Applied Thermodynamics	3	0	0	30	20	50		100		150	3
4	KME402	Engineering Mechanics	3	1	0	30	20	50		100		150	4
5	KME403	Manufacturing Processes	3	1	0	30	20	50		100		150	4
6	KME451	Applied Thermodynamics Lab	0	0	2				25		25	50	1
7	KME452	Manufacturing Processes Lab	0	0	2				25		25	50	1
8	KME453	Computer Aided Machine Drawing-II Lab	0	0	2				25		25	50	1
9	KNC402/ KNC401	Python Programming / Computer System Security	2	0	0	15	10	25		50			0
10		MOOCs (Essential for Hons Degree)											
		<b>Total</b>										<b>900</b>	<b>21</b>



Director

Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY, LUCKNOW**



**EVALUATION SCHEME & SYLLABUS**

**FOR**

**B. TECH. SECOND YEAR**

ELECTRONICS ENGINEERING/ ELECTRONICS AND  
COMMUNICATION ENGINEERING/ ELECTRONICS AND  
TELECOMMUNICATION ENGINEERING/ ELECTRONICS AND  
INSTRUMENTATION ENGINEERING/ INSTRUMENTATION AND  
CONTROL ENGINEERING/ APPLIED ELECTRONICS AND  
INSTRUMENTATION/ INSTRUMENTATION ENGINEERING

**AS PER**

**AICTE MODEL CURRICULUM**

**[Effective from the Session: 2019-20]**

**Director**

**Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306**

**B.Tech. (Electronics & Communication Engg.)**

**Semester III**

Sr. No.	Course Code	Course Title	Periods			Evaluation Scheme				End Semester		Total	Credits
			L	T	P	CT	TA	Total	PS	TE	PE		
	KOE031-38/ KAS302	Engg. Science Course /Maths IV	3	1	0	30	20	50		100		150	4
1.	KAS301/ KVE301	Technical Communication /Universal Human values	2	1	0	30	20	50		100		150	3
			3	0	0								
2.	KEC301	Electronic Devices	3	1	0	30	20	50		100		150	4
3.	KEC302	Digital System Design	3	1	0	30	20	50		100		150	4
4.	KEC303	Network Analysis and Synthesis	3	0	0	30	20	50		100		150	3
6.	KEC351	Electronics Devices Lab	0	0	2				25		25	50	1
7.	KEC352	Digital System Design Lab	0	0	2				25		25	50	1
8.	KEC353	Network Analysis and Synthesis lab	0	0	2				25		25	50	1
9.	KEC354	Mini Project or Internship Assessment	0	0	2			50				50	1
10.	KNC301 /KNC302	Computer System Security /Python Programming	2	0	0	15	10	25		50			0
11.		MOOCs (Essential for Hons. Degree)											
		<b>TOTAL</b>										<b>950</b>	<b>22</b>

\*The Mini Project or internship (3-4 weeks) conducted during summer break after II semester and will be assessed during III semester.

**Semester IV**

Sr. No.	Course Code	Course Title	Periods			Evaluation Scheme				End Semester		Total	Credits
			L	T	P	CT	TA	Total	PS	TE	PE		
1.	KAS402/ KOE041-48	Maths-IV / Engg. Science Course	3	1	0	30	20	50		100		150	4
2.	KVE401/ KAS401	Universal Human Values/ Technical Communication	3	0	0	30	20	50		100		150	3
			2	1	0								
3.	KEC401	Communication Engineering	3	0	0	30	20	50		100		150	3
4.	KEC402	Analog Circuits	3	1	0	30	20	50		100		150	4
5.	KEC403	Signal System	3	1	0	30	20	50		100		150	4
6.	KEC451	Communication Engineering Lab	0	0	2				25		25	50	1
7.	KEC452	Analog Circuits Lab	0	0	2				25		25	50	1
8.	KEC453	Signal System Lab	0	0	2				25		25	50	1
9.	KNC402/ KNC401	Python Programming/ Computer System Security	2	0	0	15	10	25		50			0
10.		MOOCs (Essential for Hons. Degree)											
		<b>TOTAL</b>										<b>900</b>	<b>21</b>

Director

**Dronacharya Group of Institutions**  
27, KP-III, Greater Noida-201306

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY LUCKNOW**



**Evaluation Scheme & Syllabus**

**For**

**B.Tech. 2<sup>nd</sup> Year**

**(Computer Science and Engineering/CS/CSIT)**

**On**

**AICTE Model Curriculum**

**(Effective from the Session: 2019-20)**

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY LUCKNOW**

A handwritten signature in green ink, appearing to be 'D. K. Singh', is written over a horizontal line.

**Director**

**Dronacharya Group of Institutions**  
27, GP-III, Sector-14, Gurgaon-201306

**B.TECH (COMPUTER SCIENCE AND ENGINEERING)**

**SEMESTER- III**

Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KOE031-38/ KAS302	Engineering Science Course/Maths IV	3	1	0	30	20	50		100		150	4
2	KAS301/ KVE 301	Technical Communication/Universal Human values	2	1	0	30	20	50		100		150	3
			3	0	0								
3	KCS301	Data Structure	3	1	0	30	20	50		100		150	4
4	KCS302	Computer Organization and Architecture	3	1	0	30	20	50		100		150	4
5	KCS303	Discrete Structures & Theory of Logic	3	0	0	30	20	50		100		150	3
6	KCS351	Data Structures Using C Lab	0	0	2				25		25	50	1
7	KCS352	Computer Organization Lab	0	0	2				25		25	50	1
8	KCS353	Discrete Structure & Logic Lab	0	0	2				25		25	50	1
9	KCS354	Mini Project or Internship Assessment*	0	0	2			50				50	1
10	KNC301/ KNC302	Computer System Security/Python Programming	2	0	0	15	10	25		50			0
11		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>										<b>950</b>	<b>22</b>

\*The Mini Project or internship (3-4 weeks) conducted during summer break after II semester and will be assessed during III semester.

  
**Director**  
**Dronacharya Group of Institutions**  
 27, KP-III, Greater Noida-201305



**SEMESTER- IV**

Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KAS402/ KOE041-48	Maths IV/Engg. Science Course	3	1	0	30	20	50		100		150	4
2	KVE401/ KAS301	Universal Human Values/ Technical Communication	3	0	0	30	20	50		100		150	3
			2	1	0								
3	KCS401	Operating Systems	3	0	0	30	20	50		100		150	3
4	KCS402	Theory of Automata and Formal Languages	3	1	0	30	20	50		100		150	4
5	KCS403	Microprocessor	3	1	0	30	20	50		100		150	4
6	KCS451	Operating Systems Lab	0	0	2				25		25	50	1
7	KCS452	Microprocessor Lab	0	0	2				25		25	50	1
8	KCS453	Python Language Programming Lab	0	0	2				25		25	50	1
9	KNC402/ KNC401	Python Programming/Computer System Security	2	0	0	15	10	25		50			0
10		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>										<b>900</b>	<b>21</b>



**Director**

**Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306**

III & IV

Sr. No.	Course Code	Course Title	Periods			Evaluation Scheme				End Semester		Total	Credits
			L	T	P	CT	TA	Total	PS	TE	PE		
	KOE031-38/ KAS302	Engg. Science Course /Maths IV	3	1	0	30	20	50			100	150	4
1.	KAS301/ KVE301	Technical Communication /Universal Human values	2	1	0	30	20	50		100		150	3
			3	0	0								
2.	KEC301	Electronic Devices	3	1	0	30	20	50		100		150	4
3.	KEC302	Digital System Design	3	1	0	30	20	50		100		150	4
4.	KCS303	Discrete Structures & Theory of Logic	3	0	0	30	20	50		100		150	3
6.	KEC351	Electronics Devices Lab	0	0	2				25		25	50	1
7.	KEC352	Digital System Design Lab	0	0	2				25		25	50	1
8.	KCS353	Discrete Structures & Logic Lab	0	0	2				25		25	50	1
9.	KEC354	Mini Project or Internship Assessment	0	0	2			50				50	1
10.	KNC301 /KNC302	Computer System Security /Python Programming	2	0	0	15	10	25		50			0
11.		MOOCs (Essential for Hons, Degree)											
		TOTAL										950	22

\*The Mini Project or internship (3-4 weeks) conducted during summer break after II semester and will be assessed during III semester.

Sr. No.	Course Code	Course Title	Periods			Evaluation Scheme				End Semester		Total	Credits
			L	T	P	CT	TA	Total	PS	TE	PE		
1.	KAS402/ KOE041-48	Maths-IV / Engg. Science Course	3	1	0	30	20	50			100	150	4
2.	KVE401/ KAS401	Universal Human Values/ Technical Communication	3	0	0	30	20	50		100		150	3
			2	1	0								
3.	KCS401	Operating Systems	3	0	0	30	20	50		100		150	3
4.	KEC402	Analog Circuits	3	1	0	30	20	50		100		150	4
5.	KEC403	Signal & System	3	1	0	30	20	50		100		150	4
6.	KEC452	Analog Circuits Lab	0	0	2				25		25	50	1
7.	KEC452	Signal System Lab	0	0	2				25		25	50	1
8.	KCS451	Operating Systems Lab	0	0	2				25		25	50	1
9.	KNC402/ KNC401	Python Programming/ Computer System Security	2	0	0	15	10	25		50			0
10.		MOOCs (Essential for Hons, Degree)											
		TOTAL										900	21

  
 Director  
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 27, KP-III, Greater Noida-201306

**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY, LUCKNOW**



**Evaluation Scheme & Syllabus for**

**MBA**

**AS PER**

**AICTE MODEL CURRICULUM**

**(Effective from the Session: 2018-19)**

**Director**

**Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306**

**MBA 1st Year Course Structure in accordance with AICTE Model Curriculum  
Effective w.e.f. Academic Session 2018**

**SEMESTER - I**

S. No	CODE	SUBJECT	PERIODS			EVALUATION SCHEME				END SEMESTER		TOTAL	CREDIT
			L	T	P	CT	TA	TOTAL	PS	TE	PE		
1	KMB 101	MANAGEMENT CONCEPT & INDIAN ETHOS	4	0	0	30	20	50	0	100	0	150	3
2	KMB102	MANAGERIAL ECONOMICS	4	0	0	30	20	50	0	100	0	150	3
3	KMB103	FINANCIAL ACCOUNTING FOR MANAGERS	4	0	0	30	20	50	0	100	0	150	3
4	KMB104	BUSINESS STATISTICS AND ANALYSIS	4	0	0	30	20	50	0	100	0	150	3
5	KMB105	ORGANISATIONAL BEHAVIOUR	4	0	0	30	20	50	0	100	0	150	3
6	KMB106	MARKETING MANAGEMENT - I	4	0	0	30	20	50	0	100	0	150	3
7	KMB107	BUSINESS COMMUNICATION	4	0	0	30	20	50	0	100	0	150	3
8	KMB108	COMPUTER APPLICATION IN MANAGEMENT	3	0	1	30	20	50	0	100	0	150	3
9	NON CREDIT	DEVELOPING SOFT SKILLS & PERSONALITY	2	0	0							0	0
		<b>TOTAL</b>										<b>1200</b>	<b>24</b>

**SEMESTER - II**

S. No	CODE	SUBJECT	PERIODS			EVALUATION SCHEME				END SEMESTER		TOTAL	CREDIT
			L	T	P	CT	TA	TOTAL	PS	TE	PE		
1	KMB 201	BUSINESS ENVIRONMENT	4	0	0	30	20	50	0	100	0	150	3
2	KMB202	HUMAN RESOURCE MANAGEMENT	4	0	0	30	20	50	0	100	0	150	3
3	KMB203	BUSINESS RESEARCH METHODS	4	0	0	30	20	50	0	100	0	150	3
4	KMB204	FINANCIAL MANAGEMENT & CORPORATE FINANCE	4	0	0	30	20	50	0	100	0	150	3
5	KMB205	OPERATIONS MANAGEMENT	4	0	0	30	20	50	0	100	0	150	3
6	KMB206	QUANTITATIVE TECHNIQUES FOR MANAGERS	4	0	0	30	20	50	0	100	0	150	3
7	KMB207	LEGAL ASPECTS OF BUSINESS	4	0	0	30	20	50	0	100	0	150	3
8	KMB208	MARKETING MANAGEMENT – II	4	0	0	30	20	50	0	100	0	150	3
9	KMB209	COMPREHENSIVE VIVA	0	0	0					100	0	100	3
10	NON CREDIT	DEVELOPING SOFT SKILLS & PERSONALITY	2	0	0							0	0
		<b>TOTAL</b>										<b>1300</b>	<b>27</b>

  
**Director**  
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 27, KP-II, Greater Noida-201306

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY  
LUCKNOW**



**Evaluation Scheme & Syllabus**

**For**

**B. Tech. Third Year  
(Information Technology)**

**On**

**Choice Based Credit System**

**(Effective from the Session: 2018-19)**

  
Director  
Department of Information Technology  
27, JOR Road, Greater Noida-201310, U.P.



## B. Tech. (Information Technology)

### FIFTH EMESTER

Sl No.	Subject Code	Subject Name	L-T-P	Th/Lab (ESE) Marks	Sessional		Total	Credit
					Test	Assig/ Att.		
1	RAS501	MANEGERIAL ECONOMICS	3--0--0	70	20	10	100	3
2	RAS502/ RUC501	INDUSTRIAL SOCIOLOGY /CYBER SECURITY	3--0--0	70	20	10	100	3
3	RCS-501	Database Management Systems	3--0--0	70	20	10	100	3
4	RCS-502	Design and Analysis of Algorithm	3--1--0	70	20	10	100	4
5	RCS-503	Principles of Programming Languages	3--0--0	70	20	10	100	3
6	IT-Elective-1	DEPTT ELECTIVE COURSE-1	3--1--0	70	20	10	100	4
7	RCS-551	Database Management Systems Lab	0--0--2	50	-	50	100	1
8	RCS-552	Design and Analysis of Algorithm Lab	0--0--2	50	-	50	100	1
9	RCS-553	Principles of Programming Languages Lab	0--0--2	50	-	50	100	1
10	RIT-554	Object Oriented Techniques Lab	0--0--2	50	-	50	100	1
	<b>TOTAL</b>						<b>1000</b>	<b>24</b>

### SIXTH SEMESTER

Sl No.	Subject Code	Subject Name	L-T-P	Th/Lab (ESE) Marks	Sessional		Total	Credit
					Test	Assig/ Att.		
1	RAS601	INDUSTRIAL MANAGEMENT	3--0--0	70	20	10	100	3
2	RAS602 / RUC601	CYBER SECURITY/ INDUSTRIAL SOCIOLOGY	3--0--0	70	20	10	100	3
3	RCS-601	Computer Networks	3--0--0	70	20	10	100	3
4	RCS-602	Compiler Design	3--1--0	70	20	10	100	4
5	RCS-603	Web Technology	3--0--0	70	20	10	100	3
6	IT-Elective-2	DEPTT ELECTIVE COURSE-2	3--1--0	70	20	10	100	4
7	RCS-651	Computer Networks Lab	0--0--2	50	-	50	100	1
8	RCS-652	Compiler Design Lab	0--0--2	50	-	50	100	1
9	RCS-653	Web Technology Lab	0--0--2	50	-	50	100	1
10	RCS-654	Data Warehousing & Data Mining Lab	0--0--2	50	-	50	100	1
	<b>TOTAL</b>						<b>1000</b>	<b>24</b>

  
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**B. Tech. (Information Technology)**

**DEPARTMENTAL ELECTIVES**

**IT-ELECTIVE -1: Information Technology Elective-1**

RIT-E11: SOFTWARE PROJECT MANAGEMENT

RIT-E12: SOFTWARE TESTING & AUDIT

RIT-E13: OBJECT ORIENTED TECHNIQUES

RCS-E11: OPERATION RESEARCH

**IT-ELECTIVE-2: Information Technology Elective-2**

RIT-E21: DESIGN AND DEVELOPMENT OF APPLICATIONS

RIT-E22: DATAWAREHOUSING & DATA MINING

RCS-E21: INTERNET OF THINGS

RCS-E22: NEURAL NETWORK



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**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY  
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**Evaluation Scheme & Syllabus**

**For**

**B. Tech. Third Year**

**(Computer Science and Engineering)**

**(Computer Science and Information Technology)**

**On**

**Choice Based Credit System**

**(Effective from the Session: 2018-19)**

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY  
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**B. Tech. (CSE\CSIT)  
FIFTH SEMESTER**

Sl No.	Subject Code	Subject Name	L-T-P	Theory/ Lab (ESE) Marks	Sessional		Total	Credi t
					Test	Assign/Att		
1	RAS501	MANEGERIAL ECONOMICS	3---0---0	70	20	10	100	3
2	<del>RAS502/ RUC501</del>	<del>INDUSTRIAL SOCIOLOGY /CYBER SECURITY</del>	<del>3---0---0</del>	<del>70</del>	<del>20</del>	<del>10</del>	<del>100</del>	<del>3</del>
3	RCS-501	Database Management Systems	3---0---0	70	20	10	100	3
4	RCS-502	Design and Analysis of Algorithm	3---1---0	70	20	10	100	4
5	RCS-503	Principles of Programming Languages	3---0---0	70	20	10	100	3
6	CS-Elective-1	DEPTT ELECTIVE COURSE-1	3---1---0	70	20	10	100	4
7	RCS-551	Database Management Systems Lab	0---0---2	50	-	50	100	1
8	RCS-552	Design and Analysis of Algorithm Lab	0---0---2	50	-	50	100	1
9	RCS-553	Principles of Programming Languages Lab	0---0---2	50	-	50	100	1
10	RCS-554	Web Technologies Lab	0---0---2	50	-	50	100	1
	<b>TOTAL</b>						<b>1000</b>	<b>24</b>

**SIXTH SEMESTER**

Sl No.	Subject Code	Subject Name	L-T-P	Theory/ Lab (ESE) Marks	Sessional		Total	Credi t
					Test	Assign/Att		
1	RAS601	INDUSTRIAL MANAGEMENT	3---0---0	70	20	10	100	3
2	<del>RAS602/ RUC601</del>	<del>INDUSTRIAL SOCIOLOGY/ CYBER SECURITY</del>	<del>3---0---0</del>	<del>70</del>	<del>20</del>	<del>10</del>	<del>100</del>	<del>3</del>
3	RCS-601	Computer Networks	3---0---0	70	20	10	100	3
4	RCS-602	Compiler Design	3---1---0	70	20	10	100	4
5	RCS-603	Computer Graphics	3---0---0	70	20	10	100	3
6	CS-Elective-2	DEPTT ELECTIVE COURSE-2	3---1---0	70	20	10	100	4
7	RCS-651	Computer Networks Lab	0---0---2	50	-	50	100	1
8	RCS-652	Compiler Design Lab	0---0---2	50	-	50	100	1
9	RCS-653	Computer Graphics Lab	0---0---2	50	-	50	100	1
10	RCS-654	Data Warehousing & Data Mining Lab	0---0---2	50	-	50	100	1
	<b>TOTAL</b>						<b>1000</b>	<b>24</b>

## DEPARTMENTAL ELECTIVES

### **CS-ELECTIVE-1: Computer Science and Engineering Elective-1**

RIT-051: SOFTWARE PROJECT MANAGEMENT

RIT-052: SOFTWARE TESTING & AUDIT

RCS-051: OPERATION RESEARCH

RCS-052: WEB TECHNOLOGIES

### **CS-ELECTIVE-2: Computer Science Departmental Elective-2**

RIT-061: DESIGN AND DEVELOPMENT OF APPLICATIONS

RIT-062: DATAWAREHOUSING & DATA MINING

RCS-061: INTERNET OF THINGS

RCS-062: NEURAL NETWORK



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UNIVERSITY, LUCKNOW**



**EVALUATION SCHEME & SYLLABUS  
FOR**

**B. TECH. III YEAR**

**ELECTRONICS ENGINEERING/ ELECTRONICS &  
COMMUNICATION ENGINEERING/ ELECTRONICS &  
TELECOMMUNICATION ENGINEERING**

**ON**

**CHOICE BASED CREDIT SYSTEM (CBCS)**

**[Effective from the Session: 2018-19]**

Director

Dronacharya Group of Institutions  
27, KP-13, Greater Noida-201306

**EVALUATION SCHEME**

**B.TECH. ELECTRONICS ENGINEERING, B.TECH.  
ELECTRONICS & COMMUNICATION ENGINEERING, B.TECH. ELECTRONICS &  
TELECOMMUNICATION ENGINEERING**

**YEAR 3<sup>rd</sup>/ SEMESTER V**

Sr. No.	Sub Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
				ESE	CT	TA		
1	RAS501	Managerial Economics	3--0--0	70	20	10	100	3
2	RAS502 /RUC501	Sociology/Cyber Security	3--0--0	70	20	10	100	3
3	REC501A	Integrated Circuits	3--0--0	70	20	10	100	3
4	REC502	Principles of Communication	3--1--0	70	20	10	100	4
5	REC503	Digital Signal Processing	3--0--0	70	20	10	100	3
6	REC051-055	Deptt. Elective Course 1	3--1--0	70	20	10	100	4
7	REC551	Integrated Circuits Lab	0--0--2	50		50	100	1
8	REC552	Communication Lab – I	0--0--2	50		50	100	1
9	REC553	Digital Signal Processing Lab	0--0--2	50		50	100	1
10	REC554	CAD of Electronics Lab-I	0--0--2	50		50	100	1
	<b>TOTAL</b>			<b>620</b>	<b>120</b>	<b>260</b>	<b>1000</b>	<b>24</b>

**DEPTT ELECTIVE COURSE-1**

1. REC051 - Antenna & wave propagation
2. REC052 - Computer Architecture and Organization
3. REC053- Real Time Systems
4. REC054- Artificial Neural Networks
5. REC055- Advance Semiconductor devices

  
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## EVALUATION SCHEME

**B.Tech. Electronics Engineering, B.Tech. Electronics & Communication Engineering, B.Tech.  
Electronics & Telecommunication Engineering**

**YEAR 3<sup>rd</sup>/ SEMESTER VI**

Sr. No	Sub Code	Subject Name	L-T-P	Th/LAB Marks	Sessional		Total	Credit
				ESE	CT	TA		
1	RAS601	Industrial Management	3--0--0	70	20	10	100	3
2	RAS602 / RUC601	Sociology /Cyber Security	3--0--0	70	20	10	100	3
3	RIC603	Control System I	3--0--0	70	20	10	100	3
4	REC601	Microwave Engineering	3--1--0	70	20	10	100	4
5	REC602	Digital Communication	3--0--0	70	20	10	100	3
6	REC061 - 065	Deptt. Elective Course 2	3--1--0	70	20	10	100	4
7	REC-651	Microwave Engg Lab	0--0--2	50		50	100	1
8	REC-652	Communication Lab- II	0--0--2	50		50	100	1
9	RIC-653	Control System Lab-I	0--0--2	50		50	100	1
10	RIC-651	Microcontrollers For Embedded Systems Lab	0--0--2	50		50	100	1
	<b>TOTAL</b>			<b>620</b>	<b>120</b>	<b>260</b>	<b>1000</b>	<b>24</b>

### DEPTT ELECTIVE COURSE-2

1. REC061 - Industrial Electronics
2. REC062 - Microcontroller for Embedded Systems
3. REC063 - Analog Signal Processing
4. REC064 - Advance Digital Design Using Verilog
5. REC065- RADAR Engineering

  
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**DR. A.P.J. ABDUL KALAM TECHNICAL  
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**Evaluation Scheme & Syllabus for**

**B. Tech.**

**(All Branches except Agriculture & Bio Tech)**

**AS PER**

**AICTE MODEL CURRICULUM**

**(Effective from the Session: 2018-19)**

A handwritten signature in green ink, appearing to be 'D. K. Singh', is written over a horizontal line. The signature is stylized and cursive.

Director

Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

**B. Tech 1st Year (All branches except Bio Technology and Agriculture Engg.) Structure in accordance with AICTE Model Curriculum Effective w.e.f. Academic Session 2018-19**

**SEMESTER - I**

Sl. No.	Code	SUBJECT	PERIODS			EVALUATION SCHEME				END SEMESTER		TOTAL	CREDIT
			L	T	P	CT	TA	Total I	PS	TE	PE		
<b>3 WEEKS COMPULSORY INDUCTION PROGRAM</b>													
1	KAS101/ KAS102	Physics/Chemistry	3	1	3	30	20	50	25	100	25	200	5.5
2	KAS103	Mathematics-I	3	1	0	30	20	50	-	100	-	150	4
3	KEE 101/ KCS101	Basic Electrical Engineering/Programming for Problem Solving	3	1	2	30	20	50	25	100	25	200	5
4	KCE101/ KWS101	Engineering Graphics & Design/Workshop Practices	1	0	4	-	-	-	25	-	25	50	3
		MOOCs (For B.Tech, Hons. Degree)*											0
		<b>TOTAL</b>										600	17.5

**SEMESTER II**

Sl. No.	Code	SUBJECT	PERIODS			EVALUATION SCHEME				END SEMESTER		TOTAL	CREDIT
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KAS201/ KAS202	Physics/Chemistry	3	1	3	30	20	50	25	100	25	200	5.5
2	KAS203	Mathematics II	3	1	0	30	20	50	-	100	-	150	4
3	KEE201/ KCS201	Basic Electrical Engineering/Programming for Problem Solving	3	1	2	30	20	50	25	100	25	200	5
4	KCE201/ KWS201	Engineering Graphics & Design/Workshop Practices	1	0	4	-	-	-	25	-	25	50	3
5	KAS204	Professional English	2	0	2	30	20	50	-	100	-	150	3
		MOOCs (For B.Tech, Hons. Degree)*											0
		<b>TOTAL</b>										750	20.5

Mini Project or Internship (3-4 weeks) shall be conducted during summer break after II semester and will be assessed during III semester

**\* List of MOOCs (NPTEL) Based Recommended Courses for first year B. Tech Students**

1. Developing Soft Skills and personality-Odd Semester-8 Weeks-3 Credits
2. Enhancing Soft Skills and personality-Even Semester-8 Weeks-3 Credits

**\* AICTE Guidelines in Model Curriculum:**

After successful completion of 160 credits, a student shall be eligible to get Under Graduate degree in Engineering. A student will be eligible to get Under Graduate degree with Honours only, if he/she completes additional university recommended courses only (Equivalent to 20 credits; NPTEL Courses of 4 Weeks, 8 Weeks and 12 Weeks shall be of 2, 3 and 4 Credits respectively) through MOOCs. For registration to MOOCs Courses, the students shall follow NPTEL Site <http://nptel.ac.in/> as per the NPTEL policy and norms. The students can register for these courses through NPTEL directly as per the course offering in Odd/Even Semesters at NPTEL. These NPTEL courses (recommended by the University) may be cleared during the B. Tech degree program (not necessary one course in each semester). After successful completion of these MooCs courses the students, shall, provide their successful completion NPTEL status/certificates to the University (COE) through their college of study only. The student shall be awarded Hons. Degree (on successful completion of MOOCs based 20 credit) only if he/she secures 7.50 or above CGPA and passed each subject of that Degree Programme in single attempt without any grace marks.

Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201305

**Dr. A.P.J. Abdul Kalam Technical University Uttar  
Pradesh, Lucknow**



**Syllabus**  
**for**  
**B. Tech. Mechanical Engineering**  
  
**Third Year**  
  
**(Effective from the Session: 2018-19)**

  
Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

## STUDY AND EVALUATION SCHEME

### B-Tech. Mechanical Engineering

YEAR: 3<sup>rd</sup> / SEMESTER-V

S. No.	Subject Code	Subject Name	Department	L-T-P	Theory / Lab Marks	SESSIONAL		Total	Credit
						Test	Assignment / Attendance		
1	RAS501	Managerial Economics	Applied Science	3--0--0	70	20	10	100	3
2	RAS502/ RUC501	Sociology /Cyber Security	Applied Science	3--0--0	70	20	10	100	3
3	RME501	Machine Design-I	Core Deptt.	3--0--0	70	20	10	100	3
4	RME502	Heat & Mass Transfer	Core Deptt.	3--1--0	70	20	10	100	4
5	RME503	Manufacturing Science & Technology-II	Core Deptt.	3--0--0	70	20	10	100	3
6	RME051-054	Deptt. Elective Course-1	Core Deptt.	3--1--0	70	20	10	100	4
7	RME551	Design and Simulation Lab I	Core Deptt.	0--0--2	50		50	100	1
8	RME552	Heat & Mass Transfer Lab	Core Deptt.	0--0--2	50		50	100	1
9	RME553	Manufacturing Technology-II Lab	Core Deptt.	0--0--2	50		50	100	1
10	RME559	Seminar -- I		0--0--2	50		50	100	1
<b>TOTAL</b>								<b>1000</b>	<b>24</b>

#### DEPTT ELECTIVE COURSE-1

1. RME-051 IC Engines and Compressors
2. RME-052 Mechatronics and Microprocessor
3. RME-053 Finite Element Methods
4. RME-054 Engineering Optimization

  
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## STUDY AND EVALUATION SCHEME

### B-Tech. Mechanical Engineering

### YEAR: 3<sup>rd</sup> / SEMESTER-VI

S. No.	Subject Code	Subject Name	Department	L-T-P	Theory / Lab Marks	SESSIONAL		Total	Credit
						Test	Assignment / Attendance		
1	RAS601	Industrial Management	Applied Science	3--0--0	70	20	10	100	3
2	RUC601/ RAS602	Cyber Security/ Sociology	Applied Science	3--0--0	70	20	10	100	3
3	RME601	Fluid Machinery	Core Deptt.	3--0--0	70	20	10	100	3
4	RME602	Theory of Machines	Core Deptt.	3--1--0	70	20	10	100	4
5	RME603	Machine Design-II	Core Deptt.	3--0--0	70	20	10	100	3
6	RME061- 064	Deptt. Elective Course-2	Core Deptt.	3--1--0	70	20	10	100	4
7	RME651	Fluid Machinery Lab	Core Deptt.	0--0--2	50		50	100	1
8	RME652	Theory of Machines Lab	Core Deptt.	0--0--2	50		50	100	1
9	RME653	Design and Simulation Lab II	Core Deptt.	0--0--2	50		50	100	1
10	RME654	Refrigeration & Air-conditioning	Core Deptt.	0--0--2	50		50	100	1
<b>TOTAL</b>								<b>1000</b>	<b>24</b>

#### DEPTT ELECTIVE COURSE-2

1. RME061 Refrigeration & Air-conditioning
2. RME062 Production Planning and Control
3. RME063 Mechanical Vibration
4. RME064 Reliability Engineering



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**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY, LUCKNOW**



**EVALUATION SCHEME & SYLLABUS  
FOR**

**B. TECH. III YEAR**

**ELECTRICAL ENGINEERING /  
ELECTRICAL & ELECTRONICS ENGINEERING**

**ON**

**CHOICE BASED CREDIT SYSTEM (CBCS)**

**[Effective from the Session: 2018-19]**

  
Director  
Dronacharya Group of Institutions  
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**EVALUATION SCHEME**  
**B-TECH. ELECTRICAL ENGINEERING**  
**B-TECH. ELECTRICAL & ELECTRONICS ENGINEERING**

**YEAR 3<sup>rd</sup> / SEMESTER-V**

S. No.	Subject Code	Subject Name	Department	L-T-P	Th./Lab Marks	Sessional		Total	Credit
					ESE	CT	TA		
1	RAS501	MANAGERIAL ECONOMICS	Applied Science	3--0--0	70	20	10	100	3
2	RAS502/ RUC501	SOCIOLOGY /CYBER SECURITY	Applied Science	3--0--0	70	20	10	100	3
3	REE501	ELECTRICAL MACHINES -II	Core Deptt.	3--0--0	70	20	10	100	3
4	REE502	POWER TRANSMISSION & DISTRIBUTION	Core Deptt.	3--1--0	70	20	10	100	4
5	REE503	CONTROL SYSTEM	Core Deptt.	3--0--0	70	20	10	100	3
6	REE051 -054	DEPTT ELECTIVE COURSE-1	Core Deptt.	3--1--0	70	20	10	100	4
7	REE551	ELECTRICAL MACHINES -II LAB	Core Deptt.	0--0--2	50		50	100	1
8	REE553	CONTROL SYSTEM LAB	Core Deptt.	0--0--2	50		50	100	1
9	REE554	SOFTWARE BASED POWER SYSTEM LAB	Core Deptt.	0--0--2	50		50	100	1
10	REE555	SEMINAR - I		0--0--2			100	100	1
	<b>TOTAL</b>				620	120	260	1000	24

**DEPTT. ELECTIVE COURSE-1**

1. REE051: Power System Optimization
2. REE052: Principles of Communication
3. REE053: Fundamentals of Digital Signal Processing
4. REE054: Internet of Things

  
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**EVALUATION SCHEME**  
**B-TECH. ELECTRICAL ENGINEERING**  
**B-TECH. ELECTRICAL & ELECTRONICS ENGINEERING**

**YEAR 3<sup>rd</sup> / SEMESTER-VI**

S. No.	Subject Code	Subject Name	Department	L-T-P	Th/Lab Marks	Sessional		Total	Credit
					ESE	CT	TA		
1	RAS601	INDUSTRIAL MANAGEMENT	Applied Science	3--0--0	70	20	10	100	3
2	RAS602 / RUC601	SOCIOLOGY /CYBER SECURITY	Applied Science	3--0--0	70	20	10	100	3
3	REE601	POWER ELECTRONICS	Core Deptt.	3--0--0	70	20	10	100	3
4	REE602	MICROPROCESSOR	Core Deptt.	3--1--0	70	20	10	100	4
5	REE603	POWER SYSTEM ANALYSIS	Core Deptt.	3--0--0	70	20	10	100	3
6	REE061 -064	DEPTT ELECTIVE COURSE-2	Core Deptt.	3--1--0	70	20	10	100	4
7	REE661	POWER ELECTRONICS LAB	Core Deptt.	0--0--2	50		50	100	1
8	REE662	MICROPROCESSOR LAB	Core Deptt.	0--0--2	50		50	100	1
9	REE664	ELECTRICAL DESIGN & FABRICATION LAB	Core Deptt.	0--0--2	50		50	100	1
10	REE665	SEMINAR - II		0--0--2			100	100	1
	<b>TOTAL</b>				<b>620</b>	<b>120</b>	<b>260</b>	<b>1000</b>	<b>24</b>

**DEPTT. ELECTIVE COURSE-2**

1. REE061 - Intelligent Sensors & Instrumentation
2. REE062 - Bio-medical Instrumentation
3. REE063 - High Voltage Engineering
4. REE064 - Special Electrical Machines

  
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**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY LUCKNOW**



**Study & Evaluation Scheme with Syllabus**

**For**

**B.Tech. Second Year**

**(Computer Science and Engineering, Computer Engg. & Information  
Technology)**

**On**

**Choice Based Credit System**

**(Effective from the Session: 2017-18)**

  
Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

**2<sup>nd</sup> Year III-SEMESTER**

S. No.	Subject Code	Subject Name	L-T-P	ESE Marks	Sessional		Total	Credit
					CT	TA		
1.	RAS301/ ROE030, 032 to 037, 039	Mathematics-III/ Science Based OE	3-1-0	70	20	10	100	4
2.	RVE301/ RAS302	Universal Human Values & Professional Ethics / Environment & Ecology	3-0-0	70	20	10	100	3
3.	REC301	Digital Logic Design	3-0-0	70	20	10	100	3
4.	RCS301	Discrete Structures & Theory of Logic	3-0-0	70	20	10	100	3
5.	RCS302	Computer Organization and Architecture	3-0-0	70	20	10	100	3
6.	RCS305	Data Structures	3-1-0	70	20	10	100	4
7.	REC351	Digital Logic Design Lab	0-0-2	50	30	20	100	1
8.	RCS351	Discrete Structure & Logic Lab	0-0-2	50	30	20	100	1
9.	RCS352	Computer Organization Lab	0-0-2	50	30	20	100	1
10.	RCS355	Data Structures Using C/ Java Lab	0-0-2	50	30	20	100	1
11.	RME101*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE151*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
<b>TOTAL</b>							<b>1000</b>	<b>24</b>

CT: Class Test

TA: Teacher Assessment

L/T/P: Lecture/ Tutorial/ Practical

**\*B.Tech. II<sup>nd</sup> year lateral entry students belonging to B.Sc. Stream, shall clear the subjects RCE151/RCE251 and RME101/201 of the first year Engineering Programme along with the second year subjects.**

**Science Based Open Electives:**

- a. ROE030/040 Manufacturing Process
- b. ROE032/042 Nano Science
- c. ROE033/043 Laser System and Application
- d. ROE034/044 Space Science
- e. ROE035/045 Polymer Science & Technology
- f. ROE036/046 Nuclear Science
- g. ROE037/047 Material Science
- h. ROE039/049 Applied Linear Algebra

  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306

**2<sup>nd</sup> Year IV-SEMESTER**

S. No.	Subject Code	Subject Name	L-T-P	ESE Marks	Sessional		Total	Credit
					CT	TA		
1.	ROE040, 042 to 047, 049/ RAS401	Science Based OE/ Mathematics-III	3-1-0	70	20	10	100	4
2.	RAS402/ RVE401	Environment & Ecology/ Universal Human Values & Professional Ethics	3-0-0	70	20	10	100	3
3.	REC405	Introduction to Microprocessor	3-0-0	70	20	10	100	3
4.	RCS401	Operating Systems	3-0-0	70	20	10	100	3
5.	RCS402	Software Engineering	3-0-0	70	20	10	100	3
6.	RCS403	Theory of Automata and Formal Languages	3-1-0	70	20	10	100	4
7.	RCS451	Operating Systems Lab	0-0-2	50	30	20	100	1
8.	RCS452	Software Engineering Lab	0-0-2	50	30	20	100	1
9.	RCS453	TAFL Lab	0-0-2	50	30	20	100	1
10.	RCS454	Python Language Programming Lab	0-0-2	50	30	20	100	1
11.	RME201*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE251*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
<b>TOTAL</b>							<b>1000</b>	<b>24</b>

CT: Class Test

TA: Teacher Assessment

L/T/P: Lecture/ Tutorial/ Practical

**\*B.Tech. II<sup>nd</sup> year lateral entry students belonging to B.Sc. Stream, shall clear the subjects RCE151/RCE251 and RME101/201 of the first year Engineering Programme along with the second year subjects.**

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- b. ROE032/042 Nano Science
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- d. ROE034/044 Space Science
- e. ROE035/045 Polymer Science & Technology
- f. ROE036/046 Nuclear Science
- g. ROE037/047 Material Science
- h. ROE039/049 Applied Linear Algebra

  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306



**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY  
LUCKNOW**



**Study & Evaluation Scheme with Syllabus  
for**

**B.Tech. Second Year**

**Electronics Engineering / Electronics & Communication Engineering /  
Electronics & Telecommunication Engineering / Electronics &  
Instrumentation Engineering / Instrumentation & Control Engineering /  
Applied Electronics & Control Engineering / Biomedical Engineering**

**On**

**Choice Based Credit System**

**(Effective from the Session: 2017-18)**

**Director**

**Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306**

**2<sup>nd</sup> Year III-SEMESTER**


S. No.	Subject Code	Subject Name	L-T-P	ESE Marks	Sessional		Total	Credit
					CT	TA		
1.	ROE030 to 039/ RAS301	Science Based Open Elective/ Mathematics-III	3-1-0	70	20	10	100	4
2.	RVE301/ RAS302	Universal Human Values & Professional Ethics/ Environment & Ecology	3-0-0	70	20	10	100	3
3.	REE305	Network Analysis and Synthesis	3-0-0	70	20	10	100	3
4.	REC301	Digital Logic Design	3-0-0	70	20	10	100	3
5.	REC302	Electronic Devices and Circuits	3-1-0	70	20	10	100	4
6.	REC303	Signals & Systems	3-0-0	70	20	10	100	3
7.	REC351	Digital Logic Design Lab	0-0-2	50	30	20	100	1
8.	REC352	Electronic Devices and Circuits Lab	0-0-2	50	30	20	100	1
9.	REC353	Signals & Systems Lab	0-0-2	50	30	20	100	1
10.	REC354	Electronics Workshop & PCB Design Lab	0-0-2	50	30	20	100	1
11.	RME101*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE151*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
Total							1000	24

CT: Class Test      TA: Teacher Assessment      L/T/P: Lecture/ Tutorial/ Practical

**\*B.Tech. II<sup>nd</sup> year lateral entry students belonging to B.Sc. Stream, shall clear the subjects RCE151/RCE251 and RME101/201 of the first year Engineering Programme along with the second year subjects.**

**Science Based Open Electives:**

- a. ROE030/ROE040 Manufacturing Process
- b. ROE031/ROE041 Introduction to soft computing
- c. ROE032/ROE042 Nano Science
- d. ROE033/ROE043 Laser System and Application
- e. ROE034/ROE044 Space Science
- f. ROE035/ROE045 Polymer Science & Technology
- g. ROE036/ROE046 Nuclear Science
- h. ROE037/ROE047 Material Science
- i. ROE038/ROE048 Discrete Mathematics
- j. ROE039/ROE049 Applied Linear Algebra

  
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**2<sup>nd</sup> Year IV-SEMESTER**


S. No.	Subject Code	Subject Name	L-T-P	ESE Marks	Sessional		Total	Credit
					CT	TA		
1.	RAS401/ ROE040 to 049	Mathematics-III/ Science Based Open Elective	3-1-0	70	20	10	100	4
2.	RAS402/ RVE401	Environment & Ecology/ Universal Human Values & Professional Ethics	3-0-0	70	20	10	100	3
3.	REC401	Microprocessors & Microcontrollers	3-0-0	70	20	10	100	3
4.	REC402	Electromagnetic Field Theory	3-1-0	70	20	10	100	4
5.	REC403	Electronic Measurement & Instrumentation	3-0-0	70	20	10	100	3
6.	RCS406	Data Structure & Algorithms	3-0-0	70	20	10	100	3
7.	REC451	Microprocessors & Microcontrollers Lab	0-0-2	50	30	20	100	1
8.	REC452	Advanced Electronics System Lab	0-0-2	50	30	20	100	1
9.	REC453	Electronic Measurement & Instrumentation Lab	0-0-2	50	30	20	100	1
10.	RCS456	Data Structure & Algorithms Lab	0-0-2	50	30	20	100	1
11.	RME201*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE251*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
Total							1000	24

CT: Class Test      TA: Teacher Assessment      L/T/P: Lecture/ Tutorial/ Practical

**\*B.Tech. II<sup>nd</sup> year lateral entry students belonging to B.Sc. Stream, shall clear the subjects RCE151/RCE251 and RME101/201 of the first year Engineering Programme along with the second year subjects.**

**Science Based Open Electives:**

- a. ROE030/ROE040 Manufacturing Process
- b. ROE031/ROE041 Introduction to soft computing
- c. ROE032/ROE042 Nano Science
- d. ROE033/ROE043 Laser System and Application
- e. ROE034/ROE044 Space Science
- f. ROE035/ROE045 Polymer Science & Technology
- g. ROE036/ROE046 Nuclear Science
- h. ROE037/ROE047 Material Science
- i. ROE038/ROE048 Discrete Mathematics
- j. ROE039/ROE049 Applied Linear Algebra

  
 \_\_\_\_\_  
 Director

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY  
LUCKNOW**



**Study & Evaluation Scheme with Syllabus  
for  
B.Tech. Second Year  
Electrical Engineering / Electrical & Electronics Engineering**

**On  
Choice Based Credit System  
(Effective from the Session: 2017-18)**

Director

Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

**2<sup>nd</sup> Year III-SEMESTER**

S. No.	Subject Code	Subject Name	L-T-P	ESE Marks	Sessional		Total	Credit
					CT	TA		
1.	ROE030 to 039/ RAS301	Science Based Open Elective/ Mathematics-III	3-1-0	70	20	10	100	4
2.	RVE301/ RAS302	Universal Human Values & Professional Ethics/ Environment & Ecology	3-0-0	70	20	10	100	3
3.	REC309	Analog & Digital Electronics	3-0-0	70	20	10	100	3
4.	REE301	Electrical & Electronics Engineering Materials	3-0-0	70	20	10	100	3
5.	REE302	Electrical Measurements & Instrumentation	3-0-0	70	20	10	100	3
6.	REE303	Basic Signals & Systems	3-1-0	70	20	10	100	4
7.	REE351	Electrical Workshop	0-0-2	50	30	20	100	1
8.	REE352	Electrical Measurements Lab	0-0-2	50	30	20	100	1
9.	REE353	Simulation Lab – I	0-0-2	50	30	20	100	1
10.	REC359	Electronics Lab	0-0-2	50	30	20	100	1
11.	RME101*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE151*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
Total							1000	24

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- e. ROE034/ROE044 Space Science
- f. ROE035/ROE045 Polymer Science & Technology
- g. ROE036/ROE046 Nuclear Science
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**Director**

**Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306**



**2<sup>nd</sup> Year IV-SEMESTER**

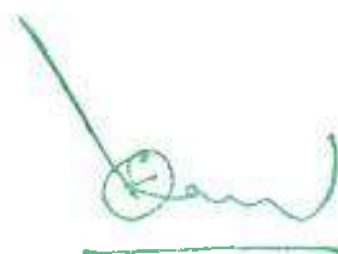
S. No.	Subject Code	Subject Name	L-T-P	ESE Marks	Sessional		Total	Credit
					CT	TA		
1.	RAS401/ ROE040 to 049	Mathematics-III/ Science Based Open Elective	3-1-0	70	20	10	100	4
2.	RAS302/ RVE301	Environment & Ecology/ Universal Human Values & Professional Ethics	3-0-0	70	20	10	100	3
3.	REC402	Electromagnetic Field Theory	3-1-0	70	20	10	100	4
4.	REE401	Power Plant Engineering	3-0-0	70	20	10	100	3
5.	REE402	Electrical Machines -I	3-0-0	70	20	10	100	3
6.	REE405	Network Analysis and Synthesis	3-0-0	70	20	10	100	3
7.	REE451	Simulation- II Lab	0-0-2	50	30	20	100	1
8.	REE452	Electrical Machines -I Lab	0-0-2	50	30	20	100	1
9.	REE453	Networks Lab	0-0-2	50	30	20	100	1
10.	REE454	Electrical Instrumentation Lab	0-0-2	50	30	20	100	1
11.	RME201*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE251*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
Total							1000	24

CT: Class Test      TA: Teacher Assessment      L/T/P: Lecture/ Tutorial/ Practical

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**Director**

**Dronacharya Group of Institutions**  
27, KP-III, Greater Noida-201306



**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY  
LUCKNOW**



**Study & Evaluation Scheme with Syllabus  
for  
B.Tech. Second Year  
Electrical Engineering / Electrical & Electronics Engineering**

**On  
Choice Based Credit System  
(Effective from the Session: 2017-18)**

  
Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

**2<sup>nd</sup> Year III-SEMESTER**

S. No.	Subject Code	Subject Name	L-T-P	ESE Marks	Sessional		Total	Credit
					CT	TA		
1.	ROE030 to 039/ RAS301	Science Based Open Elective/ Mathematics-III	3-1-0	70	20	10	100	4
2.	RVE301/ RAS302	Universal Human Values & Professional Ethics/ Environment & Ecology	3-0-0	70	20	10	100	3
3.	REC309	Analog & Digital Electronics	3-0-0	70	20	10	100	3
4.	REE301	Electrical & Electronics Engineering Materials	3-0-0	70	20	10	100	3
5.	REE302	Electrical Measurements & Instrumentation	3-0-0	70	20	10	100	3
6.	REE303	Basic Signals & Systems	3-1-0	70	20	10	100	4
7.	REE351	Electrical Workshop	0-0-2	50	30	20	100	1
8.	REE352	Electrical Measurements Lab	0-0-2	50	30	20	100	1
9.	REE353	Simulation Lab – I	0-0-2	50	30	20	100	1
10.	REC359	Electronics Lab	0-0-2	50	30	20	100	1
11.	RME101*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE151*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
Total							1000	24

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- j. ROE039/ROE049 Applied Linear Algebra

  
**Director**  
**Dronacharya Group of Institutions**  
 27, KP-III, Greater Noida-201306

**2<sup>nd</sup> Year IV-SEMESTER**

S. No.	Subject Code	Subject Name	L-T-P	ESE Marks	Sessional		Total	Credit
					CT	TA		
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2.	RAS402/ RVE401	Environment & Ecology/ Universal Human Values & Professional Ethics	3-0-0	70	20	10	100	3
3.	REC402	Electromagnetic Field Theory	3-1-0	70	20	10	100	4
4.	REE401	Power Plant Engineering	3-0-0	70	20	10	100	3
5.	REE402	Electrical Machines -I	3-0-0	70	20	10	100	3
6.	REE405	Network Analysis and Synthesis	3-0-0	70	20	10	100	3
7.	REE451	Simulation- II Lab	0-0-2	50	30	20	100	1
8.	REE452	Electrical Machines -I Lab	0-0-2	50	30	20	100	1
9.	REE453	Networks Lab	0-0-2	50	30	20	100	1
10.	REE454	Electrical Instrumentation Lab	0-0-2	50	30	20	100	1
11.	RME201*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE251*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
Total							1000	24

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- j. ROE039/ROE049 Applied Linear Algebra



Director

Dronacharya Group of Institutions  
27, KP-III, Greater Kailash-201306

**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY LUCKNOW**



**Study & Evaluation Scheme with Syllabus**

**For**

**B.Tech. Second Year**

**Information Technology**

**On**

**Choice Based Credit System**

**(Effective from the Session: 2017-18)**

A handwritten signature in green ink, appearing to be "Dronacharya", is written over a horizontal line.

**Director**

**Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306**

**2<sup>nd</sup> Year III-SEMESTER**

S. No.	Subject Code	Subject Name	L-T-P	ESE Marks	Sessional		Total	Credit
					CT	TA		
1.	RAS301/ ROE030, 032 to 037, 039	Mathematics-III/ Science Based OE	3-1-0	70	20	10	100	4
2.	RVE301/ RAS302	Universal Human Values & Professional Ethics / Environment & Ecology	3-0-0	70	20	10	100	3
3.	REC301	Digital Logic Design	3-0-0	70	20	10	100	3
4.	RCS301	Discrete Structures & Theory of Logic	3-0-0	70	20	10	100	3
5.	RCS302	Computer Organization and Architecture	3-0-0	70	20	10	100	3
6.	RCS305	Data Structures	3-1-0	70	20	10	100	4
7.	REC351	Digital Logic Design Lab	0-0-2	50	30	20	100	1
8.	RCS351	Discrete Structure & Logic Lab	0-0-2	50	30	20	100	1
9.	RCS352	Computer Organization Lab	0-0-2	50	30	20	100	1
10.	RCS355	Data Structures Using C/ Java Lab	0-0-2	50	30	20	100	1
11.	RME101*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE151*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
<b>TOTAL</b>							<b>1000</b>	<b>24</b>

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- f. ROE036/046 Nuclear Science
- g. ROE037/047 Material Science
- h. ROE039/049 Applied Linear Algebra

  
**Director**  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201305

**2<sup>nd</sup> Year IV-SEMESTER**

S. No.	Subject Code	Subject Name	L-T-P	ESE Marks	Sessional		Total	Credit
					CT	TA		
1.	ROE040, 042 to 047, 049/ RAS401	Science Based OE/ Mathematics-III	3-1-0	70	20	10	100	4
2.	RAS402/ RVE401	Environment & Ecology/ Universal Human Values & Professional Ethics	3-0-0	70	20	10	100	3
3.	REC406	Information Theory and Coding	3-0-0	70	20	10	100	3
4.	RCS401	Operating Systems	3-0-0	70	20	10	100	3
5.	RCS402	Software Engineering	3-0-0	70	20	10	100	3
6.	RCS403	Theory of Automata and Formal Languages	3-1-0	70	20	10	100	4
7.	RCS451	Operating Systems Lab	0-0-2	50	30	20	100	1
8.	RCS452	Software Engineering Lab	0-0-2	50	30	20	100	1
9.	RCS453	TAFL Lab	0-0-2	50	30	20	100	1
10.	RCS454	Python Language Programming Lab	0-0-2	50	30	20	100	1
11.	RME201*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE251*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
<b>TOTAL</b>							<b>1000</b>	<b>24</b>

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 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306



**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY LUCKNOW**



**Study & Evaluation Scheme with Syllabus  
For**

**B.Tech. Second Year**

(Mechanical Engineering/ Production Engineering, Industrial & Production  
Engineering, Mechanical & Industrial Engineering, Manufacturing Technology,  
Automobile Engineering, Aeronautical Engineering)

**On**

**Choice Based Credit System**

**(Effective from the Session: 2017-18)**

  
**Director**  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

**2<sup>nd</sup> Year III-SEMESTER**

S. No.	Subject Code	Subject Name	L-T-P	Th/Lab ESE	Sessional		Total	Credit
					CT	TA		
1.	RAS301/ ROE031 to 036, 038, 039	Mathematics-III/ Science Based OE	3-1-0	70	20	10	100	4
2.	RVE301/ RAS302	Universal Human Values & Professional Ethics / Environment & Ecology	3-0-0	70	20	10	100	3
3.	RCE303	Fluid Mechanics	3-0-0	70	20	10	100	3
4.	RME301	Material Science	3-0-0	70	20	10	100	3
5.	RME302	Thermodynamics	3-1-0	70	20	10	100	4
6.	RME303	Mechanics of Solids	3-0-0	70	20	10	100	3
7.	RCE353	Fluid Mechanics Lab	0-0-2	50	30	20	100	1
8.	RME351	Material Science & Testing Lab	0-0-2	50	30	20	100	1
9.	RME352	Thermodynamics Lab	0-0-2	50	30	20	100	1
10.	RME353	Computer Aided Machine Drawing-I Lab	0-0-2	50	30	20	100	1
11.	RME101*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE151*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
<b>TOTAL</b>							<b>1000</b>	<b>24</b>

CT: Class Test

TA: Teacher Assessment

L/T/P: Lecture/ Tutorial/ Practical

**\*B.Tech. II<sup>nd</sup> year lateral entry students belonging to B.Sc. Stream, shall clear the subjects RCE151/RCE251 and RME101/201 of the first year Engineering Programme along with the second year subjects.**

**Science Based Open Electives:**

- a. ROE031/ROE041 Introduction to soft computing
- b. ROE032/ROE042 Nano Science
- c. ROE033/ROE043 Laser System and Application
- d. ROE034/ROE044 Space Science
- e. ROE035/ROE045 Polymer Science & Technology
- f. ROE036/ROE046 Nuclear Science
- g. ROE038/ROE048 Discrete Mathematics
- h. ROE039/ROE049 Applied Linear Algebra



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**2<sup>nd</sup> Year IV-SEMESTER**

S. No.	Subject Code	Subject Name	L-T-P	ESE Marks	Sessional		Total	Credit
					CT	TA		
1.	ROE041 to 046, 048, 049/ RAS401	Science Based OE/ Mathematics-III	3-1-0	70	20	10	100	4
2.	RAS402/ RVE401	Environment & Ecology/ Universal Human Values & Professional Ethics	3-0-0	70	20	10	100	3
3.	REE409	Electrical Machines & Controls	3-0-0	70	20	10	100	3
4.	RME401	Measurement and Metrology	3-0-0	70	20	10	100	3
5.	RME402	Manufacturing Science & Technology-I	3-0-0	70	20	10	100	3
6.	RME403	Applied Thermodynamics	3-1-0	70	20	10	100	4
7.	REE459	Electrical Machines and Controls Lab	0-0-2	50	30	20	100	1
8.	RME451	Measurement and Metrology Lab	0-0-2	50	30	20	100	1
9.	RME452	Manufacturing Science & Technology-I Lab	0-0-2	50	30	20	100	1
10.	RME453	Computer Aided Machine Drawing-II Lab	0-0-2	50	30	20	100	1
11.	RME201*	Elements of Mechanical Engineering*	3-1-0	70	20	10	100*	--
12.	RCE251*	Computer Aided Engineering Graphics*	0-0-3	50	30	20	100*	--
<b>TOTAL</b>							<b>1000</b>	<b>24</b>

CT: Class Test

TA: Teacher Assessment

L/T/P: Lecture/ Tutorial/ Practical

**\*B.Tech. II<sup>nd</sup> year lateral entry students belonging to B.Sc. Stream, shall clear the subjects RCE151/RCE251 and RME101/201 of the first year Engineering Programme along with the second year subjects.**

**NOTE:** Practical summer training-1 of 4-weeks after IV semester or Minor fabrication project will be evaluated in VII semester.

**Science Based Open Electives:**

- a. ROE031/ROE041 Introduction to soft computing
- b. ROE032/ROE042 Nano Science
- c. ROE033/ROE043 Laser System and Application
- d. ROE034/ROE044 Space Science
- e. ROE035/ROE045 Polymer Science & Technology
- f. ROE036/ROE046 Nuclear Science
- g. ROE038/ROE048 Discrete Mathematics
- h. ROE039/ROE049 Applied Linear Algebra



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**Dr. APJ ABDUL KALAM TECHNICAL UNIVERSITY, UTTAR PRADESH,  
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**STUDY AND EVALUATION SCHEME OF ELECTRICAL &  
ELECTRONICS ENGINEERING**

**Fourth Year**

**Semester-VII**


S.NO.	SUBJECT CODE	NAME OF THE SUBJECT	PERIODS			EVALUATION SCHEME			SUBJECT TOTAL	CREDIT	
			L	T	P	SESSIONAL ASSESSMENT		ESE			
						CT	TA				TOTAL
<b>THEORY SUBJECT</b>											
1	NEN701	ELECTRIC DRIVES	3	1	0	30	20	50	100	150	4
2	NEN702	POWER STATION PRACTICE	3	1	0	30	20	50	100	150	4
3	NEC702A	ANALOG & DIGITAL COMMUNICATION	3	1	0	30	20	50	100	150	4
4	NEN031 to 033, NCS039	DEPARTMENTAL ELECTIVE-III	3	1	0	30	20	50	100	150	4
5	NOE071 to 074	OPEN ELECTIVE-I	3	1	0	30	20	50	100	150	4
<b>PRACTICAL/DESIGN/DRAWING</b>											
6	NEN751	POWER SYSTEM LAB	0	0	3	10	10	20	30	50	1
7	NEC752B	ADC LAB	0	0	3	10	10	20	30	50	1
8	NEN753	INDUSTRIAL TRAINING	0	0	2	30	20	50	--	50	1
9	NEN754	PROJECT	0	0	2	30	20	50	--	50	1
10	NGP701	GP					50	50		50	1
		<b>TOTAL</b>	<b>16</b>	<b>5</b>	<b>10</b>					<b>1000</b>	<b>24</b>

**LIST OF DEPARTMENTAL ELECTIVE-III**

- NEN-031 POWER SYSTEM OPERATION AND CONTROL
- NEN-032 ADVANCED MICROPROCESSORS AND MICROCONTROLLERS
- NEN-033 FLEXIBLE AC TRANSMISSION SYSTEMS
- NCS-039 OBJECT ORIENTED SYSTEMS AND C++

**LIST OF OPEN ELECTIVE-I**

- NOE-071 ENTREPRENEURSHIP DEVELOPMENT
- NOE-072 QUALITY MANAGEMENT
- NOE-073 OPERATIONS RESEARCH
- NOE-074 INTRODUCTION TO BIO TECHNOLOGY

  
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## PROPOSED STUDY AND EVALUATION SCHEME OF ELECTRICAL & ELECTRONICS ENGINEERING

Fourth Year

Semester-VIII

S. NO.	SUBJECT CODE	NAME OF THE SUBJECT	PERIODS			EVALUATION SCHEME			SUBJECT TOTAL	CREDIT	
			L	T	P	SESSIONAL ASSESMENT		ESE			
						CT	TA				TOTAL
<b>THEORY SUBJECT</b>											
1	NEE801	ELECTRICAL & ELECTRONICS ENGINEERING MATERIALS	3	1	0	30	20	50	100	150	3
2	NEC803	EMBEDDED SYSTEM	3	1	0	30	20	50	100	150	4
3	NEE041 to 042; NEN043 to 044	DEPARTMENTAL ELECTIVE-IV	3	1	0	30	20	50	100	150	4
4	NOE081 to 082; NOE084 to 085	OPEN ELECTIVE-2	3	1	0	30	20	50	100	150	4
<b>PRACTICAL/DESIGN/DRAWING</b>											
5	NEN851	PROJECT	0	0	12	0	100	100	250	350	8
6	NGP801	GP					50	50		50	1
		<b>TOTAL</b>	<b>14</b>	<b>5</b>	<b>12</b>		<b>180</b>	<b>350</b>	<b>650</b>	<b>1000</b>	<b>24</b>

**LIST OF DEPARTMENTAL ELECTIVE IV**

- NEE041 EHVAC&DC TRANSMISSION
- NEE042 POWER QUALITY
- NEN043 IMAGE PROCESSING
- NEN044 SATELLITE COMMUNICATION

**LIST OF OPEN ELECTIVE 2**

- NOE081 NON-CONVENTIONAL ENERGY RESOURCES
- NOE082 NON LINEAR DYNAMIC SYSTEMS
- NOE084 AUTOMATION & ROBOTICS
- NOE085 DATABASE MANAGEMENT SYSTEM AND DATA MINING AND WAREHOUSING

  
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**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY  
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**Evaluation Scheme & Syllabus**

**for**

**B.Tech. First Year**

**(Civil/Computer/Chemical/Electrical/Electronics/Mechanical/Textile/Carpet/)**

**On**

**Choice Based Credit System**

**(Effective from the Session: 2016-17)**

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**B. TECH. FIRST SEMESTER**

Sl No	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
					Test	Assig/Att.		
1	RAS103	Engineering Maths-1	3---1---0	70	20	10	100	4
2	RAS101	Engineering Physics-I	3---1---0	70	20	10	100	4
3	REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg	3---1---0	70	20	10	100	4
4	RAS 104/ RCS101	Professional Communication/ Computer System & Programming in	3---0---0	70	20	10	100	3
5	REC101/ RAS102	Basic Electronics/ Engineering Chemistry	3---1---0	70	20	10	100	4
6	RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab	0---0---2	50		50	100	1
7	REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab	0---0---2	50		50	100	1
8	RAS 154/ RCS151	Professional Communication Lab/ Computer Prog. Lab	0---0---2	50		50	100	1
9	RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics	0---0---3	50		50	100	2
	<b>TOTAL</b>						<b>900</b>	<b>24</b>

  
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## B. TECH. SECOND SEMESTER

Sl No.	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
					Test	Assig/Att.		
1	RAS203	Engineering Maths-II	3---1---0	70	20	10	100	4
2	RAS201	Engineering Physics-II	3---1---0	70	20	10	100	4
3	RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg	3---1---0	70	20	10	100	4
4	RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication	3--0--0	70	20	10	100	3
5	RAS202/ REC201	Engineering Chemistry/ Basic Electronics	3---1---0	70	20	10	100	4
6	RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab	0--0--2	50		50	100	1
7	RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab	0--0--2	50		50	100	1
8	RCS251/ RAS 254	Computer Prog. Lab/ Professional Communication Lab	0--0--2	50		50	100	1
9	RCE251/ RME252	Computer Aided Engg Graphics/ Workshop Practice	0--0--3	50		50	100	2
<b>TOTAL</b>							<b>900</b>	<b>24</b>

  
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**Evaluation Scheme & Syllabus**

**for**

**MBA First Year**

**On**

**Choice Based Credit System**

**(Effective from the Session: 2016-17)**

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# Dr. APJ Abdul Kalam Technical University, Lucknow

## Study and Evaluation Scheme

### MBA Evaluation Scheme For Session 2016-17

#### Semester I

S. No.	Course Title	Credit	Evaluation Scheme					
			Sessional Exams			ESE	Total	
			CT	TA	Total			
1	RMB101	Management Concepts and Applications	3	20	10	30	70	100
2	RMB102	Managerial Economics	3	20	10	30	70	100
3	RMB103	Financial Accounting for Managers	4	20	10	30	70	100
4	RMB104	Business Statistics	4	20	10	30	70	100
5	RMB105	Organisational Behaviour	3	20	10	30	70	100
6	RMB106	Marketing Management	4	20	10	30	70	100
7	RMB107	Business Communication	3	20	10	30	70	100
8	RMB108	Computer Application & Management Information System	3	20	10	30	70	100
		<b>TOTAL</b>	<b>27</b>					<b>800</b>

\* Non credit but qualifying

#### Semester II

S. No.	Course Title	Credit	Evaluation Scheme					
			Sessional Exams			ESE	Total	
			CT	TA	Total			
1	RMB201	Business Environment	3	20	10	30	70	100
2	RMB202	Human Resource Management	3	20	10	30	70	100
3	RMB203	Business Research Methods	3	20	10	30	70	100
4	RMB204	Financial Management	3	20	10	30	70	100
5	RMB205	Management Accounting & Control	3	20	10	30	70	100
6	RMB206	Production Operation & Supply Chain Management	3	20	10	30	70	100
7	RMB207	Quantitative Techniques for Managers	4	20	10	30	70	100
8	RMB208	Legal Aspects for Business	3	20	10	30	70	100
9	RMB209	Comprehaensive Viva	2					100
		<b>TOTAL</b>	<b>27</b>					<b>900</b>

  
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## **Syllabus**

**3<sup>rd</sup> Year**

**[Effective from Session 2016-17]**

- 1. B.Tech. Electronics Engineering**
- 2. B.Tech. Electronics & Communication Engineering**
- 3. B.Tech. Electronics & Telecommunication Engineering**

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### SEMESTER-V

No.	Subject Code	Name of the Subject	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Sessional Assessment			ESE		
						CT	TA	Total			
<b>THEORY SUBJECTS</b>											
1	NEC 501R	Integrated Circuits	3	1	0	30	20	50	100	150	4
2	NEC 502	Principles of Communication	3	1	0	30	20	50	100	150	4
3	NEC 503	Microprocessors	3	1	0	30	20	50	100	150	4
4	NIC 501	Control System -I	3	1	0	30	20	50	100	150	4
5	NEC 504	Antenna and Wave Propagation	2	1	0	15	10	25	50	75	3
6	NHU501	Engineering Economics	2	0	0	15	10	25	50	75	2
<b>PRACTICAL/ DESIGN/ DRAWING</b>											
7	NEC 551R	Integrated Circuits Lab	0	0	2	10	10	20	30	50	1
8	NIC 551	Control System Lab	0	0	2	10	10	20	30	50	1
9	NEC 552A	Communication Lab - 1	0	0	2	10	10	20	30	50	1
10	NEC 553	Microprocessors Lab	0	0	2	10	10	20	30	50	1
11	NGP 501	GP						50		50	
		<b>TOTAL</b>	16	5	8					1000	25

**CT** Class Test  
**ESE** End Semester Examination  
**L/T/P** Lecture/ Tutorial/ Practical

**AT** Attendance

**TA** Tutorial Assignment

  
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## SEMESTER-VI

No.	Subject Code	Name of the Subject	Periods			Evaluation Scheme			Subject Total	Credit	
			L	T	P	Sessional Assessment					
						CT	TA	Total			
<b>THEORY SUBJECTS</b>											
1	NEC 601	Microwave Engineering	3	1	0	30	20	50	100	150	4
2	NEC 602	Digital Communication	3	1	0	30	20	50	100	150	4
3	NEC 603	Integrated Circuit Technology	3	1	0	30	20	50	100	150	4
4	NEC0_	Departmental Elective -I	3	1	0	30	20	50	100	150	4
5	NEC0_	Departmental Elective - II	2	1	0	15	10	25	50	75	3
6	NHU601	Industrial Management	2	0	0	15	10	25	50	75	2
<b>PRACTICAL/ DESIGN/ DRAWING</b>											
7	NEC 651A	Antenna and Microwave Lab	0	0	2	10	10	20	30	50	1
8	NEC 652	Communication Lab - II	0	0	2	10	10	20	30	50	1
9	NEC 653	CAD of Electronics Lab	0	0	2	10	10	20	30	50	1
10	NEC 654R	Seminar	0	0	1	10	10	20	-	20	1
11	NEC 655	Microcontrollers for Embedded Systems Lab	0	0	1	6	6	12	18	30	1
12	NGP 601	GP						50		50	
		<b>TOTAL</b>	16	5	8					1000	26

### Departmental Elective –I

- |    |         |  |
|----|---------|--|
| 1. | NEC011  | Digital Signal Processing              |
| 2. | NEC 012 | Computer Architecture and Organization |
| 3. | NEC 013 | Artificial Neural Network              |
| 4. | NEC 014 | Advance Semiconductor Devices          |
| 5. | NEC013R | Real Time Systems                      |

### Departmental Elective - II

- |    |          |                                      |
|----|----------|--------------------------------------|
| 1. | NEC 021  | Industrial Electronics               |
| 2. | NEC 022R | Microcontroller for Embedded Systems |
| 3. | NEC 023  | Analog Signal Processing             |
| 4. | NEC 024R | Advance Digital Design using Verilog |



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NEC 501R Integrated Circuits		
Unit	Topic	Number of Lectures
I	<b>Analog Integrated circuit Design: an overview:</b> Current Mirrors using BJT and MOSFETs, Simple current Mirror, Base current compensated current Mirror, Wilson and Improved Wilson Current Mirrors, Widlar Current source and Cascode current Mirror <b>The 741 IC Op-Amp:</b> Bias circuit, short circuit protection circuitry, the input stage, the second stage, the output stage, and device parameters; DC Analysis of 741: Small Signal Analysis of input stage, the second stage, the output stage; Gain, Frequency Response of 741; a Simplified Model, Slew Rate, Relationship Between ft and SR	10
II	<b>Linear Applications of IC op-amps:</b> An Overview of Op-Amp (ideal and non-ideal) based Circuits V-I and I-V converters, generalized Impedance converter, simulation of inductors <b>Filters:</b> First and second order LP, HP, BP BS and All pass active filters, KHN.	8
III	<b>Digital Integrated Circuit Design-An Overview:</b> CMOS Logic Gate Circuits: Basic Structure CMOS realization of Inverters, AND, OR, NAND and NOR Gates <b>Latches and Flip flops:</b> The Latch, The SR Flip-flop, CMOS Implementation of SR Flip- flops, A Simpler CMOS Implementation of the Clocked SR Flip-flop, D Flip-flop Circuits.	8
IV	<b>Non-Linear applications of IC Op-amps:</b> Log-Anti Log Amplifiers, Precision Rectifiers, Peak Detectors, Simple and Hold Circuits, Analog Multipliers and their applications. Op- amp as a comparator, Zero crossing detector, Schmitt Trigger, Astable multi vibrator, Mono stable multi vibrator, Generation of Triangular Waveforms	7
V	<b>D/A and A/D converters</b> <b>Integrated Circuit Timer:</b> The 555 Circuit, Implementing a Monostable Multivibrator Using the 555 IC, Astable Multi vibrator Using the 555 IC. <b>Phase locked loops (PLL):</b> Ex-OR Gates and multipliers as phase detectors, Block Diagram of IC PLL, Working of PLL and Applications of PLL.	7

#### Text Books:

1. Sedra and Smith, "Microelectronic Circuits", 6<sup>th</sup> Edition, Oxford University Press.
2. Michael Jacob, "Applications and Design with Analog Integrated Circuits", PHI, 2<sup>nd</sup> Edition.

#### Reference Books:

1. Jacob Millman and Arvin Grabel, "Microelectronics", 2nd Edition, Tata McGraw Hill.
2. Behzad Razavi, "Fundamentals of Microelectronics", 2nd Edition, Wiley.
3. Mark N. Horenstein, "Microelectronic Circuits and Devices", PHI.
4. Paul R. Gray, Paul J. Hurst, Stephen H. Lewis and Robert G. Meyer, "Analysis and Design of Analog Integrated Circuits", Wiley.
5. Data Sheet: <http://www.ti.com/lit/ds/symlink/tl082.pdf>

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**Evaluation Scheme & Syllabus**

**for**

**B.Tech. First Year**

**(Civil/Computer/Chemical/Electrical/Electronics/Mechanical/Textile/Carpet/)**

**On**

**Choice Based Credit System**

**(Effective from the Session: 2016-17)**

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**B. TECH. FIRST SEMESTER**

Sl No.	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
					Test	Assig/Att.		
1	RAS103	Engineering Maths-I	3---1---0	70	20	10	100	4
2	RAS101	Engineering Physics-I	3---1---0	70	20	10	100	4
3	REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg	3---1---0	70	20	10	100	4
4	RAS 104/ RCS101	Professional Communication/ Computer System & Programming in	3---0---0	70	20	10	100	3
5	REC101/ RAS102	Basic Electronics/ Engineering Chemistry	3---1---0	70	20	10	100	4
6	RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab	0---0---2	50		50	100	1
7	REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab	0---0---2	50		50	100	1
8	RAS 154/ RCS151	Professional Communication Lab/ Computer Progm. Lab	0---0---2	50		50	100	1
9	RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics	0---0---3	50		50	100	2
	<b>TOTAL</b>						<b>900</b>	<b>24</b>

  
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## B. TECH. SECOND SEMESTER

Sl No.	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
					Test	Assig/Att.		
1	RAS203	Engineering Maths-II	3--1--0	70	20	10	100	4
2	RAS201	Engineering Physics-II	3--1--0	70	20	10	100	4
3	RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg	3--1--0	70	20	10	100	4
4	RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication	3--0--0	70	20	10	100	3
5	RAS202/ REC201	Engineering Chemistry/ Basic Electronics	3--1--0	70	20	10	100	4
6	RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab	0--0--2	50		50	100	1
7	RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab	0--0--2	50		50	100	1
8	RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab	0--0--2	50		50	100	1
9	RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice	0--0--3	50		50	100	2
	<b>TOTAL</b>						<b>900</b>	<b>24</b>

  
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**DRONACHARYA GROUP OF INSTITUTIONS , GREATER NOIDA**

**1.1 List of courses offered across all programs offered in 2020-21**

2020-21

Program code	Program Name	Course code	Course Name	Year of introduction (Syllabus Updated by University)
10	B.Tech.(Computer Science &Engineering) 1st Year	KAS101T/KAS102T	Engineering Physics/Engineering Chemistry	2020-21
10		KAS103T	Engineering Mathematics-I	
10		KEE101T/KEC101T	Basic Electrical Engineering /Emerging Domain in Electronics Engineering	
10		KCS101T/KME101T	Programming for Problem Solving/Fundamentals of Mechanical Engineering & Mecha	
10		KAS151P/KAS152P	Engineering Physics Lab/Engineering Chemistry Lab	
10		KEE151P/KEC151P	Basic Electrical Engineering Lab/ Electronics Engineering Lab	
10		KCS151P/KAS154P	Programming for Problem Solving/English Language Lab	
10		KCE151P/KWS151P	Engineering Graphics & Design Lab/Mechanical Workshop Lab	
10		KMC101/KMC102	AI for Engineering/Emerging Technology for Engineering	
10		KNC 101	Soft Skill I	
10		KAS201T/KAS202T	Engineering Physics/Engineering Chemistry	
10		KAS203T	Engineering Mathematics-II	
10		KEE201T/KEC201T	Basic Electrical Engineering/Emerging Domain in Electronics Engineering	
10		KCS201T/KME201T	Programming for Problem Solving/ Fundamentals of Mechanical Engineering & Mecha	
10		KAS251P/KAS252P	Engineering Physics Lab/Engineering Chemistry Lab	
10		KEE251P/KEC251P	Basic Electrical Engineering Lab/ Electronics Engineering Lab	
10		KCS251P/KAS254P	Programming for Problem Solving/English Language Lab	
10		KCE251P/KWS251P	Engineering Graphics & Design Lab/Mechanical Workshop Lab	
10		KMC201/KMC202	AI for Engineering/Emerging Technology for Engineering	

  
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 Dronacharya Group of Institutions  
 27, KP-111, Greater Noida-201306



10		KNC201	Soft Skill II
10		KOE031 (Engineering Science Course)	Engineering Mechanics
10		KOE032 (Engineering Science Course)	Material Science
10		KOE033 (Engineering Science Course)	Energy Science & Engineering
10		KOE034 (Engineering Science Course)	Sensor & Instrumentation
10		KOE035 (Engineering Science Course)	Basics Data Structure & Algorithms
10		KOE036 (Engineering Science Course)	Introduction to Soft Computing
10		KOE037 (Engineering Science Course)	Analog Electronics Circuits
10		KOE038 (Engineering Science Course)	Electronics Engineering
10		KAS302	Maths III
10		KAS301/ KVE 301	Technical Communication/Universal Human values
10		KCS301	Data Structure
10		KCS302	Computer Organization and Architecture
10		KCS303	Discrete Structures & Theory of Logic
10		KCS351	Data Structures Using C Lab
10		KCS352	Computer Organization Lab
10		KCS353	Discrete Structure & Logic Lab
10	B.Tech.(Computer Science &Engineering) 2nd Year	KCS354	Mini Project or Internship Assessment*
10		KNC301/ KNC302	Computer System Security/Python Programming
10		KOE041 (Engineering Science Course)	Engineering Mechanics
10		KOE042 (Engineering Science Course)	Material Science
10		KOE043 (Engineering Science Course)	Energy Science & Engineering
10		KOE044 (Engineering Science Course)	Sensor & Instrumentation
10		KOE045 (Engineering Science Course)	Basics Data Structure & Algorithms

2019-20

Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

10	KOE046 (Engineering Sci	Introduction to Soft Computing
10	KOE047 (Engineering Sci	Analog Electronics Circuits
10	KOE048 (Engineering Sci	Electronics Engineering
10	KAS402	Maths IV
10	KVE401/KAS301	Universal Human Values/Technical Communication
10	KCS401	Operating Systems
10	KCS402	Theory of Automata and Formal Languages
10	KCS403	Microprocessor
10	KCS451	Operating Systems Lab
10	KCS452	Microprocessor Lab
10	KCS453	Python Language Programming Lab
10	KNC402/ KNC401	Python Programming/Computer System Security
10	KCS501	Database Management System
10	KCS502	Compiler Design
10	KCS503	Design Analysis of Algorithm
10	KCS-051 (Departmental E	Data Analytics
10	KCS-052 (Departmental E	Web Designing
10	KCS-053 (Departmental E	Computer Graphics
10	KCS-054 (Departmental E	Object Oriented System Design
10	KCS-055 (Departmental E	Machine Learning Techniques
10	KCS-056 (Departmental E	Application of Soft Computing
10	KCS-057 (Departmental E	Augumented & Virtual Reality
10	KCS-058 (Departmental E	Human Computer Interface
10	KCS551	Database Management System Lab

  
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 27, KP-III, Greater Noida-201306

10	KCS552	Compiler Design Lab
10	KCS553	Design and Analysis of Algorithm Lab
10	KCS554	Mini Projects or internship Assessment
10	KNC501/KNC502	Constitution of India , Law and Engineering / Indian Tradition, Culture and Society
10	KCS601	Software Engineering
10	KCS602	Web Technology
10	KCS603	Computer Networks
10	KCS-061(Departmental EI)	Big data
10	KCS-062(Departmental EI)	Image Processing
10	KCS-063(Departmental EI)	Real Time Systems
10	KCS-064(Departmental EI)	Data Compression
10	KOE060 (Open Elective-I)	Idea To Business Model
10	KOE061 (Open Elective-I)	Real Time Systems
10	KOE062 (Open Elective-I)	Embedded System
10	KOE063 (Open Elective-I)	Introduction To Mems
10	KOE064 (Open Elective-I)	Objecy Oriented Programming
10	KOE065 (Open Elective-I)	Computer Based Numerical Techniques
10	KOE066 (Open Elective-I)	GIS & Remote sensing
10	KOE067 (Open Elective-I)	Basics of Data Base Management System
10	KOE068 (Open Elective-I)	Software Project Management
10	KOE069 (Open Elective-I)	Understanding Human Being, Nature and Existence Comprehensively-Human Aspirat
10	KCS651	Software Enginering Lab
10	KCS652	Web Technology Lab
10	KCS653	Computer Networks Lab

B.Tech.(Comput  
er Science  
&Engineering)  
3rd Year

2020-21



Director

Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

10	KNC601/KNC602	Constitution of India, Law and Engineering/ Indian Tradition, Culture and Society
10	ROE071	Modelling and Simulation of Dynamic Systems
10	ROE072	Introduction to Smart Grid
10	ROE073	Cloud computing
10	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfillment
10	RCS070	Embedded Systems
10	RCS071	Application of Soft Computing
10	RCS072	High Performance Computing
10	RCS073	Human Computer Interface
10	RCS075	Cloud Computing
10	RCS076	Blockchain Architecture Design
10	RCS077	Agile Software Development
10	RCS078	Augmented & Virtual Reality
10	RCS701	Distributed System
10	RCS702	Artificial Intelligence
10	RCS751	Distributed System Lab
10	RCS752	Artificial Intelligence Lab
10	RCS753	Industrial Training
10	RCS754	Project
10	ROE081	Digital and Social Media Marketing
10	ROE082	Entrepreneurship Development
10	ROE083	Machine Learning
10	ROE084	Micro and Smart Systems
10	ROE085	Operations Research

B.Tech.(Computer Science & Engineering)  
4th Year

  
2019-20

Director  
Dronacharya Group of Institutions  
27, KP-111, Greater Noida-201306

10	ROE086	Renewable Energy Resources
10	ROE087	*Human Values in Madhyasth Darshan
10	ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society
10	RCS080	Machine Learning
10	RCS081	Game Programming
10	RCS082	Image Processing
10	RCS083	Parallel and Distributed Computing
10	RCS085	Speech Natural language processing
10	RCS086	Deep Learning
10	RCS087	Data Compression
10	RCS088	Quantum Computing
10	RCS851	Seminar
10	RCS852	Project
31	KAS101T/KAS102T	Engineering Physics/Engineering Chemistry
31	KAS103T	Engineering Mathematics-I
31	KEE101T/KEC101T	Basic Electrical Engineering /Emerging Domain in Electronics Engineering
31	KCS101T/KME101T	Programming for Problem Solving/Fundamentals of Mechanical Engineering & Mecha
31	KAS151P/KAS152P	Engineering Physics Lab/Engineering Chemistry Lab
31	KEE151P/KEC151P	Basic Electrical Engineering Lab/ Electronics Engineering Lab
31	KCS151P/KAS154P	Programming for Problem Solving/English Language Lab
31	KCE151P/KWS151P	Engineering Graphics & Design Lab/Mechanical Workshop Lab
31	KMC101/KMC102	AI for Engineering/Emerging Technology for Engineering
31	KNC 101	Soft Skill I
31	KAS201T/KAS202T	Engineering Physics/Engineering Chemistry

B.Tech.(Electronics & Communication Engineering)

Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306  
2020-21



31	1st Year	KAS203T	Engineering Mathematics-II
31		KEE201T/KEC201T	Basic Electrical Engineering/Emerging Domain in Electronics Engineering
31		KCS201T/KME201T	Programming for Problem Solving/ Fundamentals of Mechanical Engineering & Mech
31		KAS251P/KAS252P	Engineering Physics Lab/Engineering Chemistry Lab
31		KEE251P/KEC251P	Basic Electrical Engineering Lab/ Electronics Engineering Lab
31		KCS251P/KAS254P	Programming for Problem Solving/English Language Lab
31		KCE251P/KWS251P	Engineering Graphics & Design Lab/Mechanical Workshop Lab
31		KMC201/KMC202	AI for Engineering/Emerging Technology for Engineering
31		KNC201	Soft Skill II
31		KOE031 (Engineering Sci	Engineering Mechanics
31		KOE032 (Engineering Sci	Material Science
31		KOE033 (Engineering Sci	Energy Science & Engineering
31		KOE034 (Engineering Sci	Sensor & Instrumentation
31		KOE035 (Engineering Sci	Basics Data Structure & Algorithms
31		KOE036 (Engineering Sci	Introduction to Soft Computing
31		KOE037 (Engineering Sci	Analog Electronics Circuits
31		KOE038 (Engineering Sci	Electronics Engineering
31		KAS302	Maths III
31		KAS301/ KVE301	Technical Communication /Universal Human values
31		KEC301	Electronic Devices
31		KEC302	Digital System Design
31		KEC303	Network Analysis and Synthesis
31		KEC351	Electronics Devices Lab
31		KEC352	Digital System Design Lab

  
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 27, KP-III, Greater Noida-201306



31	B.Tech.(Electronics & Communication Engineering) 2nd Year	KEC353	Network Analysis and Synthesis lab
31		KEC354	Mini Project or Internship Assessment
31		KNC301 /KNC302	Computer System Security /Python Programming
31		KOE041 (Engineering Sci	Engineering Mechanics
31		KOE042 (Engineering Sci	Material Science
31		KOE043 (Engineering Sci	Energy Science & Engineering
31		KOE044 (Engineering Sci	Sensor & Instrumentation
31		KOE045 (Engineering Sci	Basics Data Structure & Algorithms
31		KOE046 (Engineering Sci	Introduction to Soft Computing
31		KOE047 (Engineering Sci	Analog Electronics Circuits
31		KOE048 (Engineering Sci	Electronics Engineering
31		KAS402	Maths IV
31		KAS402/ KOE041-48	Maths-IV / Engg. Science Course
31		KVE401/ KAS401	Universal Human Values/ Technical Communication
31		KEC401	Communication Engineering
31		KEC402	Analog Circuits
31		KEC403	Signal System
31		KEC451	Communication Engineering Lab
31		KEC452	Analog Circuits Lab
31		KEC453	Signal System Lab
31		KNC402/ KNC401	Python Programming/ Computer System Security
31		KEC-501	Integrated Circuits
31		KEC-502	Microprocessor & Microcontroller
31		KEC-503	Digital Signal Processing

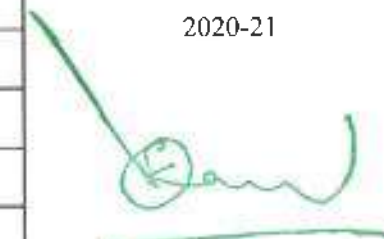
2019-20

  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306

31	KEC-051 (Department Ele	Computer Architecture and Organization
31	KEC-052 (Department Ele	Industrial Electronics
31	KEC-053 (Department Ele	VLSI Technology
31	KEC-054 (Department Ele	Advance Digital Design using Verilog
31	KEC-055 (Department Ele	Electronics Switching
31	KEC-056 (Department Ele	Advance Semiconductor Device
31	KEC-057 (Department Ele	Electronics Measurement & Instrumentation
31	KEC-058 (Department Ele	Optical Communication
31	KEC-551	Integrated Circuits Lab
31	KEC-552	Microprocessor & Microcontroller Lab
31	KEC-553	Digital Signal Processing Lab
31	KEC-554	Mini Projects or internship
31	KNC501/KNC502	Constitution of India. Law and Engineering / Indian Tradition, Culture and Society
31	KEC-601	Digital Communicatio
31	KEC-602	Control System
31	KEC-603	Antenna and Wave Propagation
31	KEC-061 (Department Ele	Microcontroller for Embedded System Design
31	KEC-062 (Department Ele	Satellite Communication
31	KEC-063 (Department Ele	Data Communication Networks
31	KEC-064 (Department Ele	Analog Signal Processing
31	KEC-065 (Department Ele	Random Variables & Stochastic Process
31	KOE060 (Open Elective-I	Idea To Business Model
31	KOE061 (Open Elective-I	Real Time Systems
31	KOE062 (Open Elective-I	Embedded System

B.Tech  
(Electronics &  
Communication  
Engineering) 3rd  
Year

2020-21



Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

31	KOE063 (Open Elective-I)	Introduction To Mems
31	KOE064 (Open Elective-I)	Object Oriented Programming
31	KOE065 (Open Elective-I)	Computer Based Numerical Techniques
31	KOE066 (Open Elective-I)	GIS & Remote sensing
31	KOE067 (Open Elective-I)	Basics of Data Base Management System
31	KOE068 (Open Elective-I)	Software Project Management
31	KOE069 (Open Elective-I)	Understanding Human Being, Nature and Existence Comprehensively
31	KEC-651	Digital Communication Lab
31	KEC-652	Control System Lab
31	KEC-653A (Elective Lab)	Measurement & Metrology Lab
31	KEC-653B (Elective Lab)	Cad for Electronics Lab
31	KEC-653C (Elective Lab)	Microcontroller for Embedded System Design Lab
31	KNC601/KNC602	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society
31	ROE071	Modelling and Simulation of Dynamic Systems
31	ROE072	Introduction to Smart Grid
31	ROE073	Cloud computing
31	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfilment
31	REC070	Optical Network
31	REC071	Information Theory & Coding
31	REC072	Digital Image Processing
31	REC073	Advance Programming in Engineering
31	REC075	Optical Communication
31	REC076	Filter Design
31	REC077	Applied Fuzzy Electronic Systems



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Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

31	REC078	Computerized Process Control
31	REC701	Data Communication Networks
31	REC702	VLSI Design
31	REC751	Optical Communication Lab
31	REC752	Electronics Circuit Design Lab
31	REC753	Industrial Training Viva- Voce
31	REC754	Project-I
31	ROE081	Digital and Social Media Marketing
31	ROE082	Entrepreneurship Development
31	ROE083	Machine Learning
31	ROE084	Micro and Smart Systems
31	ROE085	Operations Research
31	ROE086	Renewable Energy Resources
31	ROE087	*Human Values in Madhyasth Darshan
31	ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society
31	REC080	Electronic Switching
31	REC081	Analytical Instrumentation
31	REC082	Advanced Display Technologies & Systems
31	REC083	Satellite & RADAR systems
31	REC085	Wireless & Mobile Communication
31	REC086	Voice Over IP
31	REC087	Speech Processing
31	REC088	Micro and Smart Systems
31	REC851	GD & Seminar

B.Tech.(Electronics  
& Communication Engineering)  
4th Year

2019-20

  
Director  
Dronacharya Group of Institutions  
27, KP-II, Greater Noida-201306

31	REC852	Project	
21	KAS101T/KAS102T	Engineering Physics/Engineering Chemistry	
21	KAS103T	Engineering Mathematics-I	
21	KEE101T/KEC101T	Basic Electrical Engineering /Emerging Domain in Electronics Engineering	
21	KCS101T/KME101T	Programming for Problem Solving/Fundamentals of Mechanical Engineering & Mecha	
21	KAS151P/KAS152P	Engineering Physics Lab/Engineering Chemistry Lab	
21	KEE151P/KEC151P	Basic Electrical Engineering Lab/ Electronics Engineering Lab	
21	KCS151P/KAS154P	Programming for Problem Solving/English Language Lab	
21	KCE151P/KWS151P	Engineering Graphics & Design Lab/Mechanical Workshop Lab	
21	KMC101/KMC102	AI for Engineering/Emerging Technology for Engineering	
21	KNC 101	Soft Skill I	
21	KAS201T/KAS202T	Engineering Physics/Engineering Chemistry	2020-21
21	KAS203T	Engineering Mathematics-II	
21	KEE201T/KEC201T	Basic Electrical Engineering/Emerging Domain in Electronics Engineering	
21	KCS201T/KME201T	Programming for Problem Solving/ Fundamentals of Mechanical Engineering & Mecha	
21	KAS251P/KAS252P	Engineering Physics Lab/Engineering Chemistry Lab	
21	KEE251P/KEC251P	Basic Electrical Engineering Lab/ Electronics Engineering Lab	
21	KCS251P/KAS254P	Programming for Problem Solving/English Language Lab	
21	KCE251P/KWS251P	Engineering Graphics & Design Lab/Mechanical Workshop Lab	
21	KMC201/KMC202	AI for Engineering/Emerging Technology for Engineering	
21	KNC201	Soft Skill II	
21	KOE031 (Engineering Sci	Engineering Mechanics	
21	KOE032 (Engineering Sci	Material Science	
21	KOE033 (Engineering Sci	Energy Science & Engineering	

B.Tech.(Electric  
al &Electronics  
Engineering) 1st  
Year

Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306



21	KOE034 (Engineering Sci	Sensor & Instrumentation
21	KOE035 (Engineering Sci	Basics Data Structure & Algorithms
21	KOE036 (Engineering Sci	Introduction to Soft Computing
21	KOE037 (Engineering Sci	Analog Electronics Circuits
21	KOE038 (Engineering Sci	Electronics Engineering
21	KAS302	Maths III
21	KAS301/ KVE301	Technical Communication/ Universal Human values
21	KEE301	Electromagnetic Field Theory
21	KEE302	Electrical Measurements & Instrumentation
21	KEE303	Basic Signals & Systems
21	KEE351	Analog Electronics Lab
21	KEE352	Electrical Measurements and Instrumentation Lab
21	KEE353	Electrical Workshop
21	KEE354	Mini Project or Internship Assessment*
21	KNC301/ KNC302	Computer System Security/Python Programming
21	KOE041 (Engineering Sci	Engineering Mechanics
21	KOE042 (Engineering Sci	Material Science
21	KOE043 (Engineering Sci	Energy Science & Engineering
21	KOE044 (Engineering Sci	Sensor & Instrumentation
21	KOE045 (Engineering Sci	Basics Data Structure & Algorithms
21	KOE046 (Engineering Sci	Introduction to Soft Computing
21	KOE047 (Engineering Sci	Analog Electronics Circuits
21	KOE048 (Engineering Sci	Electronics Engineering
21	KAS402	Maths IV

B.Tech.(Electric  
al &Electronics  
Engineering)  
2nd Year


2019-20

  
Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306



21	KVE401/ KAS401	Universal Human Values/Technical Communication
21	KEE401	Digital Electronics
21	KEE402	Electrical Machines-I
21	KEE403	Networks Analysis & Synthesis
21	KEE451	Circuit Simulation Lab
21	KEE452	Electrical Machines-I Lab
21	KEE453	Digital Electronics Lab
21	KNC402/ KNC401	Python Programming/Computer System Security
21	KEE501	Power System-I
21	KEE502	Control System
21	KEE503	Electrical Machines-II
21	KEE051 (Department Elec	Robotics
21	KEE052 (Department Elec	Sensors and Transducers
21	KEE053 (Department Elec	Industrial Automation and Control
21	KEN051 (Department Elec	Bio-Medical Instrumentation
21	KEE055 (Department Elec	Optimization Techniques
21	KEE056 (Department Elec	Neural Networks & Fuzzy System
21	KEE057 (Department Elec	Digital Signal Processing
21	KEE058 (Department Elec	Analog & Digital Communication
21	KEE551	Power System-I Lab
21	KEE552	Control System Lab
21	KEE553	Electrical Machines-II Lab
21	KEN554	Mini Project or Internship Assessment
21	KNC501/KNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society

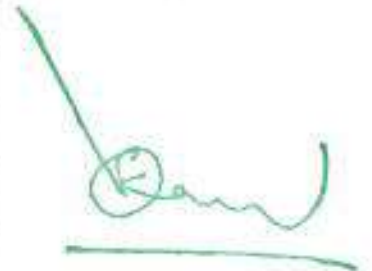
  
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 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306

21	B.Tech (Electrical & Electronics Engineering) 3rd Year	KEE601	Power System-II	2020-21
21		KEE602	Microprocessor and Microcontroller	
21		KEE603	Power Electronics	
21		KEE 061 (Department Ele	Special Electrical Machines	
21		KEN 061 (Department Ele	Linear Integrated Circuits	
21		KEE 063 (Department Ele	Digital Control System	
21		KEE 062 (Department Ele	Embedded System	
21		KOE060 (Open Elective-I	Idea To Business Model	
21		KOE061 (Open Elective-I	Real Time Systems	
21		KOE062 (Open Elective-I	Embedded System	
21		KOE063 (Open Elective-I	Introduction To Mems	
21		KOE064 (Open Elective-I	Objecy Oriented Programming	
21		KOE065 (Open Elective-I	Computer Based Numerical Techniques	
21		KOE066 (Open Elective-I	GIS & Remote sensing	
21		KOE067 (Open Elective-I	Basics of Data Base Management System	
21		KOE068 (Open Elective-I	Software Project Management	
21		KOE069 (Open Elective-I	Understanding Human Being, Nature and Existence Comprehensively-Human Aspirat	
21		KEE651	Power System-II Lab	
21		KEE652	Microprocessor and Microcontroller Lab	
21		KEE653	Power Electronics Lab	
21		KNC601/KNC602	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	
21	ROE071	Modelling and Simulation of Dynamic Systems	 Director Dronacharya Group of Institutions 27, KP-III, Greater Noida-201306	
21	ROE072	Introduction to Smart Grid		
21	ROE073	Cloud computing		

21	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfilment
21	REE070	Microprocessors and Microcontrollers
21	REE071	Utilization of Electrical Energy & Electric Traction
21	REE072	Introduction to Smart Grid
21	REN070	Introduction to Robotics
21	REE075	Industrial Automation and Control
21	REE076	Energy Efficiency & Conservation
21	REE077	Reliability Engineering
21	REN075	Telemetry & Data Transmission
21	REN701	COMMUNICATION SYSTEMS
21	REE702	POWER SYSTEM PROTECTION
21	REE751	INDUSTRIAL AUTOMATION & PLC LAB
21	REE752	POWER SYSTEM LAB
21	REN753	INDUSTRIAL TRAINING
21	REN754	PROJECT-1
21	ROE081	Digital and Social Media Marketing
21	ROE082	Entrepreneurship Development
21	ROE083	Machine Learning
21	ROE084	Micro and Smart Systems
21	ROE085	Operations Research
21	ROE086	Renewable Energy Resources
21	ROE087	*Human Values in Madhyasth Darshan
21	ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society
21	REE080	Advanced Control System

B.Tech.(Electric  
al & Electronics  
Engineering) 4th  
Year

2019-20



Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

21	REE081	Introduction to Power Quality & FACTS
21	REE082	Power System Dynamics, Control and Monitoring
21	REN080	Optical Fiber Communication
21	REE085	EHVAC & DC Transmission
21	REE086	Power Theft & Energy Management
21	REE087	Digital Image Processing
21	REE088	Antennas
21	REE851	GD & SEMINAR
21	REE852	PROJECT-2
13	KAS101T/KAS102T	Engineering Physics/Engineering Chemistry
13	KAS103T	Engineering Mathematics-I
13	KEE101T/KEC101T	Basic Electrical Engineering /Emerging Domain in Electronics Engineering
13	KCS101T/KME101T	Programming for Problem Solving/Fundamentals of Mechanical Engineering & Mech
13	KAS151P/KAS152P	Engineering Physics Lab/Engineering Chemistry Lab
13	KEE151P/KEC151P	Basic Electrical Engineering Lab/ Electronics Engineering Lab
13	KCS151P/KAS154P	Programming for Problem Solving/English Language Lab
13	KCE151P/KWS151P	Engineering Graphics & Design Lab/Mechanical Workshop Lab
13	KMC101/KMC102	AI for Engineering/Emerging Technology for Engineering
13	KNC 101	Soft Skill I
13	KAS201T/KAS202T	Engineering Physics/Engineering Chemistry
13	KAS203T	Engineering Mathematics-II
13	KEE201T/KEC201T	Basic Electrical Engineering/Emerging Domain in Electronics Engineering
13	KCS201T/KME201T	Programming for Problem Solving/ Fundamentals of Mechanical Engineering & Mech
13	KAS251P/KAS252P	Engineering Physics Lab/Engineering Chemistry Lab

B.Tech  
(Information  
Technology) 1st  
Year

2020-21

Director  
Brahmacharya Group of Institutions  
22, KP-II, Greater Noida-201306

13	KEE251P/KEC251P	Basic Electrical Engineering Lab/ Electronics Engineering Lab
13	KCS251P/KAS254P	Programming for Problem Solving/English Language Lab
13	KCE251P/KWS251P	Engineering Graphics & Design Lab/Mechanical Workshop Lab
13	KMC201/KMC202	AI for Engineering/Emerging Technology for Engineering
13	KNC201	Soft Skill II
13	KOE031 (Engineering Sci	Engineering Mechanics
13	KOE032 (Engineering Sci	Material Science
13	KOE033 (Engineering Sci	Energy Science & Engineering
13	KOE034 (Engineering Sci	Sensor & Instrumentation
13	KOE035 (Engineering Sci	Basics Data Structure & Algorithms
13	KOE036 (Engineering Sci	Introduction to Soft Computing
13	KOE037 (Engineering Sci	Analog Electronics Circuits
13	KOE038 (Engineering Sci	Electronics Engineering
13	KAS302	Maths III
13	KAS301/ KVE 301	Technical Communication/Universal Human values
13	KCS301	Data Structure
13	KCS302	Computer Organization and Architecture
13	KCS303	Discrete Structures & Theory of Logic
13	KCS351	Data Structures Using C Lab
13	KCS352	Computer Organization Lab
13	KCS353	Discrete Structure & Logic Lab
13	KCS354	Mini Project or Internship Assessment*
13	KNC301/ KNC302	Computer System Security/Python Programming
13	KOE041 (Engineering Sci	Engineering Mechanics

B.Tech  
(Information  
Technology) 2nd  
Year



Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

2019-20



13	KOE042 (Engineering Sci	Material Science
13	KOE043 (Engineering Sci	Energy Science & Engineering
13	KOE044 (Engineering Sci	Sensor & Instrumentation
13	KOE045 (Engineering Sci	Basics Data Structure & Algorithms
13	KOE046 (Engineering Sci	Introduction to Soft Computing
13	KOE047 (Engineering Sci	Analog Electronics Circuits
13	KOE048 (Engineering Sci	Electronics Engineering
13	KAS402	Maths IV
13	KVE401/KAS301	Universal Human Values/Technical Communication
13	KCS401	Operating Systems
13	KCS402	Theory of Automata and Formal Languages
13	KIT401	Web Designing
13	KCS451	Operating Systems Lab
13	KIT451	Web Designing Lab
13	KCS453	Python Language Programming Lab
13	KNC402/ KNC401	Python Programming/Computer System Security
13	KCS501	Database mangement System
13	KIT501	Web technology
13	KCS503	Design and Analysis of Algorithm
13	KIT-051 (Departmental E	Statistical Computing
13	KIT-052 (Departmental E	Compiler Design
13	KCS-053 (Departmental E	Computer Graphics
13	KCS-054 (Departmental E	Object Oriented System Design
13	KCS-055 (Departmental E	Machine Learning Techniques



Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306



13	KCS-056 (Departmental E	Application of Soft Computing
13	KCS-057 (Departmental E	Augmented & Virtual Reality
13	KCS-058 (Departmental E	Human Computer Interface
13	KCS551	Database Mangement System Lab
13	KIT551	Web Technology Lab
13	KCS553	Design and Analysis of algorithm Lab
13	KCS554	Mini Projects or internship Assessment
13	KNC501/KNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society
13	KCS601	Software Engineering
13	KIT601	Data Analytics
13	KCS603	Computer Networks
13	KCS-061(Departmental E)	Big data
13	KCS-062(Departmental E)	Image Processing
13	KCS-063(Departmental E)	Real Time Systems
13	KCS-064(Departmental E)	Data Compression
13	KOE060 (Open Elective-I)	Idea To Business Model
13	KOE061 (Open Elective-I)	Real Time Systems
13	KOE062 (Open Elective-I)	Embedded System
13	KOE063 (Open Elective-I)	Introduction To Mems
13	KOE064 (Open Elective-I)	Objecy Oriented Programming
13	KOE065 (Open Elective-I)	Computer Based Numerical Techniques
13	KOE066 (Open Elective-I)	GIS & Remote sensing
13	KOE067 (Open Elective-I)	Basics of Data Base Management System
13	KOE068 (Open Elective-I)	Software Project Management

B.Tech  
(Information  
Technology) 3rd  
Year

2020-21

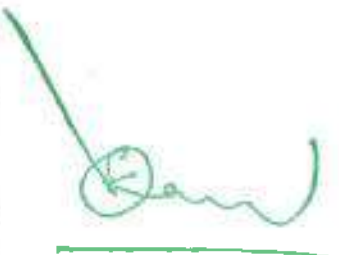


Director

Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

13	KOE069 (Open Elective-I)	Understanding Human Being, Nature and Existence Comprehensively-Human Aspirat
13	KCS651	Software Engineering Lab
13	KIT651	Data Analytics Lab
13	KCS653	Computer Networks Lab
13	KNC601/KNC602	Constitution of India, Law and Engineering/ Indian Tradition, Culture and Society
13	ROE071	Modelling and Simulation of Dynamic Systems
13	ROE072	Introduction to Smart Grid
13	ROE073	Cloud computing
13	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfilment
13	RIT070	Computer Graphics
13	RCS071	Application of Soft Computing
13	RCS072	High Performance Computing
13	RCS073	Human Computer Interface
13	RCS075	Cloud Computing
13	RCS076	Blockchain Architecture Design
13	RCS077	Agile Software Development
13	RCS078	Augmented & Virtual Reality
13	RIT701	Cryptography & Network Security
13	RCS702	Artificial Intelligence
13	RIT751	Cryptography & Network Security Lab
13	RCS752	Artificial Intelligence Lab
13	RIT753	Industrial Training
13	RIT754	Project
13	ROE081	Digital and Social Media Marketing

B.Tech.(Information Technology)  
4th Year



Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

2019-20

13	ROE082	Entrepreneurship Development
13	ROE083	Machine Learning
13	ROE084	Micro and Smart Systems
13	ROE085	Operations Research
13	ROE086	Renewable Energy Resources
13	ROE087	*Human Values in Madhyasth Darshan
13	ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society
13	RCS080	Machine Learning
13	RCS081	Game Programming
13	RCS082	Image Processing
13	RCS083	Parallel and Distributed Computing
13	RCS085	Speech Natural language processing
13	RCS086	Deep Learning
13	RCS087	Data Compression
13	RCS088	Quantum Computing
13	RIT851	Seminar
13	RIT852	Project
40	KAS101T/KAS102T	Engineering Physics/Engineering Chemistry
40	KAS103T	Engineering Mathematics-I
40	KEE101T/KEC101T	Basic Electrical Engineering /Emerging Domain in Electronics Engineering
40	KCS101T/KME101T	Programming for Problem Solving/Fundamentals of Mechanical Engineering & Mecha
40	KAS151P/KAS152P	Engineering Physics Lab/Engineering Chemistry Lab
40	KEE151P/KEC151P	Basic Electrical Engineering Lab/ Electronics Engineering Lab
40	KCS151P/KAS154P	Programming for Problem Solving/English Language Lab

  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306

40	B.Tech.(Mechanical Engineering) Ist Year	KCE151P/KWS151P	Engineering Graphics & Design Lab/Mechanical Workshop Lab
40		KMC101/KMC102	AI for Engineering/Emerging Technology for Engineering
40		KNC 101	Soft Skill I
40		KAS201T/KAS202T	Engineering Physics/Engineering Chemistry
40		KAS203T	Engineering Mathematics-II
40		KEE201T/KEC201T	Basic Electrical Engineering/Emerging Domain in Electronics Engineering
40		KCS201T/KME201T	Programming for Problem Solving/ Fundamentals of Mechanical Engineering & Mech
40		KAS251P/KAS252P	Engineering Physics Lab/Engineering Chemistry Lab
40		KEE251P/KEC251P	Basic Electrical Engineering Lab/ Electronics Engineering Lab
40		KCS251P/KAS254P	Programming for Problem Solving/English Language Lab
40		KCE251P/KWS251P	Engineering Graphics & Design Lab/Mechanical Workshop Lab
40		KMC201/KMC202	AI for Engineering/Emerging Technology for Engineering
40		KNC201	Soft Skill II
40		KOE031 (Engineering Sci	Engineering Mechanics
40		KOE032 (Engineering Sci	Material Science
40		KOE033 (Engineering Sci	Energy Science & Engineering
40	KOE034 (Engineering Sci	Sensor & Instrumentation	
40	KOE035 (Engineering Sci	Basics Data Structure & Algorithms	
40	KOE036 (Engineering Sci	Introduction to Soft Computing	
40	KOE037 (Engineering Sci	Analog Electronics Circuits	
40	KOE038 (Engineering Sci	Electronics Engineering	
40	KAS302	Maths III	
40	KAS301/ KVE301	Technical Communication/Universal Human Values	
40	KME301	Thermodynamics	


2020-21

  
 Director  
 Dr. Acharya Group of Institutions  
 27, KP-III, Greater Noida-201306

40	KME302	Fluid Mechanics & Fluid Machines
40	KME303	Materials Engineering
40	KME351	Fluid Mechanics Lab
40	KME352	Material Testing Lab
40	KME353	Computer Aided Machine Drawing-I Lab
40	KME354	Mini Project or Internship Assessment*
40	KNC301/ KNC302	Computer System Security/Python Programming
40	KOE041 (Engineering Sci	Engineering Mechanics
40	KOE042 (Engineering Sci	Material Science
40	KOE043 (Engineering Sci	Energy Science & Engineering
40	KOE044 (Engineering Sci	Sensor & Instrumentation
40	KOE045 (Engineering Sci	Basics Data Structure & Algorithms
40	KOE046 (Engineering Sci	Introduction to Soft Computing
40	KOE047 (Engineering Sci	Analog Electronics Circuits
40	KOE048 (Engineering Sci	Electronics Engineering
40	KAS402	Maths IV
40	KVE401/ KAS401	Universal Human Values/Technical Communication
40	KME401	Applied Thermodynamics
40	KME402	Engineering Mechanics
40	KME403	Manufacturing Processes
40	KME451	Applied Thermodynamics
40	KME452	Manufacturing Processes Lab
40	KME453	Computer Aided Machine Drawing-II Lab
40	KNC402/ KNC401	Python Programming / Computer System Security

B.Tech.(Mechanical Engineering)  
2nd Year

2019-20

  
Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306



40		KME 501	Heat and Mass Transfer
40		KME 502	Strength of Material
40		KME 503	Industrial Engineering
40		KME051 (Departmental E	Computer Integrated Manufacturing
40		KME052 (Departmental E	Mechatronics Systems
40		KME053 (Departmental E	finite Element Methods
40		KME054 (Departmental E	I C Engine Fuel and Lubrication
40		KAU051 (Departmental E	Automobile Engines & Combustion
40		KME 055 (Departmental E	Advance Welding
40		KME 056 (Departmental E	Programming, Data Structures and Algorithms Using Python
40		KME 057 (Departmental E	Mechanical Vibrations
40		KME 058 (Departmental E	Fuels and Combustion
40		KAU 052 (Departmental E	Automotive Chassis and Suspension
40		KME 551	Heat Transfer Lab
40		KME 552	Python Lab
40		KME 553	Internet of Things Lab
40		KME 554	Mini Projects or internship Assessment
40		KNC501/KNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society
40		KME 601	Refrigeration and Air Conditioning
40	B.Tech.(Mechanical	KME 602	Machine Design
40	Engineering) 3rd	KME 603	Theory of Machine
40	Year	KME061 (Departmental E	Non destructive Testing
40		KME062 (Departmental E	artificial Intelligence
40		KME063 (Departmental E	Tribology

2020-21

Director

Dronacharya Group of Institutions  
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40	KME064 (Departmental E	Gas Dynamics and Jet Propulsion
40	KAU061(Departmental E	Automotive Electrical and Electronics
40	KOE060 (Open Elective-I	Idea To Business Model
40	KOE061 (Open Elective-I	Real Time Systems
40	KOE062 (Open Elective-I	Embedded System
40	KOE063 (Open Elective-I	Introduction To Mems
40	KOE064 (Open Elective-I	Objecy Oriented Programming
40	KOE065 (Open Elective-I	Computer Based Numerical Techniques
40	KOE066 (Open Elective-I	GIS & Remote sensing
40	KOE067 (Open Elective-I	Basics of Data Base Management System
40	KOE068 (Open Elective-I	Software Project Management
40	KOE069 (Open Elective-I	Understanding Human Being, Nature and Existence Comprehensively-Human Aspirat
40	KME 651	Refrigeration and Air Conditioning Lab
40	KME 652	Machine Design Lab
40	KME 653	Theory of Machine Lab
40	KNC601/KNC602	Constitution of India , Law and Engineering / Indian Tradition, Culture and Society
40	ROE071	Modelling and Simulation of Dynamic Systems
40	ROE072	Introduction to Smart Grid
40	ROE073	Cloud computing
40	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfilment
40	RME070	Composite Materials
40	RME071	Power Plant Engineering
40	RME072	Supply Chain Management
40	RME073	Additive Manufacturing

  
**Director**  
**Dronacharya Group of Institutions**  
**27, KP-III, Greater Noida-201306**

40	RME075	Operation Research
40	RME076	Modelling & Simulation
40	RME077	Computational Fluid Dynamics
40	RME078	Automation & Robotics
40	RME701	CAD/CAM
40	RME702	Automobile Engineering
40	RME751	CAD/CAM Lab
40	RME752	IC Engine & Automobile Lab
40	RME753	INDUSTRIAL TRAINING
40	RME754	PROJECT-I
40	ROE081	Digital and Social Media Marketing
40	ROE082	Entrepreneurship Development
40	ROE083	Machine Learning
40	ROE084	Micro and Smart Systems
40	ROE085	Operations Research
40	ROE086	Renewable Energy Resources
40	ROE087	*Human Values in Madhyasth Darshan
40	ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society
40	RME080	Non-Destructive Testing
40	RME081	Advance Welding
40	RME082	Thermal Turbo Machine
40	RME083	Energy Conservation & Management
40	RME085	Total Quality Management
40	RME086	Gas Dynamics & Jet Propulsion

B.Tech.(Mechanical Engineering) 4th Year

2019-20

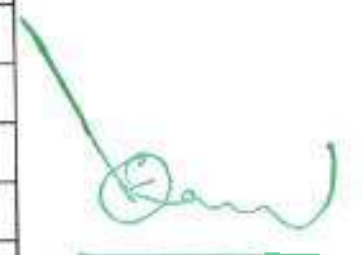
  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306

40	RME087	Design & Transmission System
40	RME088	Theory of Elasticity.
40	RME851	SEMINAR
40	RME852	PROJECT-2
00	KOE031	Engineering Mechanics
00	KOE032	Material Science
00	KOE033	Energy Science & Engineering
00	KOE034	Sensor & Instrumentation
00	KOE035	Basics Data Structure & Algorithms
00	KOE036	Introduction to Soft Computing
00	KOE037	Analog Electronics Circuits
00	KOE038	Electronics Engineering
00	KAS303	Maths III
00	KAS301/ KVE301	Technical Communication/ Universal Human Values
00	KCE301	Engg. Mechanics
00	KCE302	Surveying and Geomatics
00	KCE303	Fluid Mechanics
00	KCE351	Building Planning & Drawing Lab
00	KCE352	Surveying and Geomatics Lab
00	KCE353	Fluid Mechanics Lab
00	KCE354	Mini Project or Internship Assessment*
00	KNC301/ KNC302	Computer System Security/ Python Programming
00	KOE041	Engineering Mechanics
00	KOE042	Material Science

B.Tech.(Civil  
Engineering)  
2nd Year

  
Director  
Dronacharya Group of Institutions  
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2019-20

00	KOE044	Energy Science & Engineering
00	KOE044	Sensor & Instrumentation
00	KOE045	Basics Data Structure & Algorithms
00	KOE046	Introduction to Soft Computing
00	KOE047	Analog Electronics Circuits
00	KOE048	Electronics Engineering
00	KAS403	Maths III
00	KVB401/ KAS401	Universal Human Values/Technical Communication
00	KCE401	Materials, Testing & Construction Practices
00	KCE402	Introduction to Solid Mechanics
00	KCE403	Hydraulic Engineering and Machines
00	KCE451	Material Testing Lab
00	KCE452	Solid Mechanics Lab
00	KCE453	Hydraulics & Hydraulic Machine Lab
00	KNC402/ KNC401	Python Programming/Computer System Security
00	KEC 501	GEOTECHNICAL ENGINEERING
00	KEC 502	STRUCTURAL ANALYSIS
00	KEC 503	QUANTITY ESTIMATION AND CONSTRUCTION MANAGEMENT
00	KEC 051	CONCRETE TECHNOLOGY
00	(DEPARTMENTAL KEC 052	MODERN CONSTRUCTION MATERIALS
00	(DEPARTMENTAL KEC 053	OPEN CHANNEL FLOW
00	(DEPARTMENTAL KEC 054	ENGINEERING GEOLOGY
00	(DEPARTMENTAL KEC 055	ENGINEERING HYdrology
00	(DEPARTMENTAL KEC 056	SENSOR & Instrumentation TECHNOLOGIES FOR CIVIL ENGINEERING APPLICATION



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Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

00	KEC 057	AIR & Noise Pollution Control
00	<del>/DEPARTMENTAL</del> KEC 058	GIS & ADVANCE Remote sensing
00	<del>/DEPARTMENTAL</del> KEC-551	CAD LAB
00	KEC-552	GEOTECHNICAL ENGINEERING LAB
00	KEC-553	QUANTITY ESTIMATION AND MANAGEMENT LAB
00	KEC-554	MINI PROJECT OR INTERNSHIP ASSESSMENT
00	KNC501/KNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society
00	KEC 601	DESIGN OF CONCRETE STRUCTURES
00	KEC 602	TRANSPORTATION ENGINEERING
00	KEC 603	ENVIRONMENTAL ENGINEERING
00	KCE 061	ADVANCE STRUCTURAL ANALYSIS
00	<del>/DEPARTMENTAL</del> KCE 062	River Engineering
00	<del>/DEPARTMENTAL</del> KCE 063	REPAIR AND REHABILITATION OF STRUCTURES
00	<del>/DEPARTMENTAL</del> KCE 064	FOUNDATION DESIGN
00	<del>/DEPARTMENTAL</del> KCE 651	TRANSPORTATION ENGINEERING LAB
00	KCE 652	ENVIRONMENTAL ENGINEERING LAB
00	KCE 653	STRUCTURAL DETAILING LAB
00	KNC601/KNC602	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society
00	ROE071	Modelling and Simulation of Dynamic Systems
00	ROE072	Introduction to Smart Grid
00	ROE073	Cloud computing
00	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfilment
00	RCE071	Geology and Soil Mechanics
00	RCE072	Rural Development Engineering

B.Tech.(Civil  
Engineering) 3rd  
Year

2020-21

  
Director  
Dronacharya Group of Institutions  
27, KP-114, Greater Noida-201306



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B.Tech.(Civil Engineering) 4th Year

RCE073	Structural Health Monitoring & Rehabilitation
RCE074	River Engineering
RCE075	Computational Fluid Dynamics
RCE076	Railways, Airport & Water Ways
RCE077	Air & Noise Pollution Control
RCE078	Ground Improvement Techniques
RCE701	Design of Structure-III
RCE702	Water Resources
RCE751	Non Destructive Testing Laboratory
RCE752	Mini Project
RCE753	Industrial Training
RCE754	Project-1
ROE081	Digital and Social Media Marketing
ROE082	Entrepreneurship Development
ROE083	Machine Learning
ROE084	Micro and Smart Systems
ROE085	Operations Research
ROE086	Renewable Energy Resources
ROE087	*Human Values in Madhyasth Darshan
ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society
RCE081	Finite Element Method
RCE082	Structural Dynamics
RCE083	Advanced Concrete Design
RCE084	Solid Waste Management

2019-20

  
Director  
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00	RCE085	Engineering Hydrology and Ground Water Management
00	RCE086	Urban Transportation System & Planning
00	RCE087	Probability Methods in Civil Engineering
00	RCE088	Earthquake Resistant Design of Structure
00	RCE851	Seminar
00	RCE852	Project-2
11	KAS101T/KAS102T	Engineering Physics/Engineering Chemistry
11	KAS103T	Engineering Mathematics-I
11	KEE101T/KEC101T	Basic Electrical Engineering /Emerging Domain in Electronics Engineering
11	KCS101T/KME101T	Programming for Problem Solving/Fundamentals of Mechanical Engineering & Mecha
11	KAS151P/KAS152P	Engineering Physics Lab/Engineering Chemistry Lab
11	KEE151P/KEC151P	Basic Electrical Engineering Lab/ Electronics Engineering Lab
11	KCS151P/KAS154P	Programming for Problem Solving/English Language Lab
11	KCE151P/KWS151P	Engineering Graphics & Design Lab/Mechanical Workshop Lab
11	KMC101/KMC102	AI for Engineering/Emerging Technology for Engineering
11	KNC 101	Soft Skill I
11	KAS201T/KAS202T	Engineering Physics/Engineering Chemistry
11	KAS203T	Engineering Mathematics-II
11	KEE201T/KEC201T	Basic Electrical Engineering/Emerging Domain in Electronics Engineering
11	KCS201T/KME201T	Programming for Problem Solving/ Fundamentals of Mechanical Engineering & Mecha
11	KAS251P/KAS252P	Engineering Physics Lab/Engineering Chemistry Lab
11	KEE251P/KEC251P	Basic Electrical Engineering Lab/ Electronics Engineering Lab
11	KCS251P/KAS254P	Programming for Problem Solving/English Language Lab
11	KCE251P/KWS251P	Engineering Graphics & Design Lab/Mechanical Workshop Lab

B.Tech.(Computer Science & Information Technology) 1st Year

2020-21

  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306

11	KMC201/KMC202	AI for Engineering/Emerging Technology for Engineering
11	KNC201	Soft Skill II
11	KOE031 (Engineering Sci	Engineering Mechanics
11	KOE032 (Engineering Sci	Material Science
11	KOE033 (Engineering Sci	Energy Science & Engineering
11	KOE034 (Engineering Sci	Sensor & Instrumentation
11	KOE035 (Engineering Sci	Basics Data Structure & Algorithms
11	KOE036 (Engineering Sci	Introduction to Soft Computing
11	KOE037 (Engineering Sci	Analog Electronics Circuits
11	KOE038 (Engineering Sci	Electronics Engineering
11	KAS302	Maths III
11	KAS301/ KVE 301	Technical Communication/Universal Human values
11	KCS301	Data Structure
11	KCS302	Computer Organization and Architecture
11	KCS303	Discrete Structures & Theory of Logic
11	KCS351	Data Structures Using C Lab
11	KCS352	Computer Organization Lab
11	KCS353	Discrete Structure & Logic Lab
11	KCS354	Mini Project or Internship Assessment*
11	KNC301/ KNC302	Computer System Security/Python Programming
11	KOE041 (Engineering Sci	Engineering Mechanics
11	KOE042 (Engineering Sci	Material Science
11	KOE043 (Engineering Sci	Energy Science & Engineering
11	KOE044 (Engineering Sci	Sensor & Instrumentation

B.Tech.(Computer Science & Information Technology) 2nd Year

2019-20  
  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306

11	KOE045 (Engineering Sci	Basics Data Structure & Algorithms
11	KOE046 (Engineering Sci	Introduction to Soft Computing
11	KOE047 (Engineering Sci	Analog Electronics Circuits
11	KOE048 (Engineering Sci	Electronics Engineering
11	KAS402	Maths IV
11	KVE401/KAS301	Universal Human Values/Technical Communication
11	KCS401	Operating Systems
11	KCS402	Theory of Automata and Formal Languages
11	KCS403	Microprocessor
11	KCS451	Operating Systems Lab
11	KCS452	Microprocessor Lab
11	KCS453	Python Language Programming Lab
11	KNC402/ KNC401	Python Programming/Computer System Security
11	KCS501	Database mangement System
11	KIT501	Web technology
11	KCS503	Design and Analysis of Algorithm
11	KIT-051 (Departmental E	Statistical Computing
11	KIT-052 (Departmental E	Compiler Design
11	KCS-053 (Departmental E	Computer Graphics
11	KCS-054 (Departmental E	Object Oriented System Design
11	KCS-055 (Departmental E	Machine Learning Techniques
11	KCS-056 (Departmental E	Application of Soft Computing
11	KCS-057 (Departmental E	Augumented & Virtual Reality
11	KCS-058 (Departmental E	Human Computer Interface

  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306

11	KCS551	Database Mangement System Lab
11	KIT551	Web Technology Lab
11	KCS553	Design and Analysis of algorithm Lab
11	KCS554	Mini Projects or internship Assessment
11	KNC501/KNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society
11	KCS601	Software Engineering
11	KIT601	Data Analytics
11	KCS603	Computer Networks
11	KCS-061(Departmental E	Big data
11	KCS-062(Departmental E	Image Processing
11	KCS-063(Departmental E	Real Time Systems
11	KCS-064(Departmental E	Data Compression
11	KOE060 (Open Elective-I	Idea To Business Model
11	KOE061 (Open Elective-I	Real Time Systems
11	KOE062 (Open Elective-I	Embedded System
11	KOE063 (Open Elective-I	Introduction To Mems
11	KOE064 (Open Elective-I	Objecy Oriented Programming
11	KOE065 (Open Elective-I	Computer Based Numerical Techniques
11	KOE066 (Open Elective-I	GIS & Remote sensing
11	KOE067 (Open Elective-I	Basics of Data Base Management System
11	KOE068 (Open Elective-I	Software Project Management
11	KOE069 (Open Elective-I	Understanding Human Being, Nature and Existence Comprehensively-Human Aspirat
11	KCS651	Software Engineering Lab
11	KIT651	Data Analytics Lab

B.Tech.(Computer Science & Information Technology) 3rd year

2020-21

  
 Director  
 Dronacharya Group of Institutions  
 27, KP-III, Greater Noida-201306



11	KCS653	Computer Networks Lab
11	KNC601/KNC602	Constitution of India, Law and Engineering/ Indian Tradition, Culture and Society
11	NOE-071 (Open Elective	Entrepreneurship Development
11	NOE-072 (Open Elective	Quality Management
11	NOE-073 (Open Elective	Operations Research
11	NOE-074 (Open Elective	Introduction to Bio Technology
11	NOE-075 (Open Elective	Mobile Application Development
11	NOE-076 (Open Elective	Ethical Hacking and Prevention
11	NOE-077 (Open Elective	Software Project Management
11	NCS-701	Distributed System
11	NCS-702	Artificial Intelligence
11	NCS-071 (Departmental E	Software Testing and Audit
11	NCS-072 (Departmental E	Neural Network
11	NCS-073 (Departmental E	Computer Vision
11	NCS-074 (Departmental E	High Speed Network
11	NCS-075 (Departmental E	Android Operating System
11	NCS-076 (Departmental E	Service Oriented Architecture
11	NIT-701 (Departmental E	Cryptographic & Network Security
11	NCS-751	Distributed System
11	NCS-752	Project
11	NCS-753	Industrial Training
11	GP-701	General Proficiency
11	NOE-081 (Open Elective	Non Conventional Energy Resources
11	NOE-082 (Open Elective	Non Linear Dynamics Systems

B.Tech.(Computer Science & Information Technology) 4th year



2016-17

Director  
Dronacharya Group of Institutions  
27, KP-III, Greater Noida-201306

11	NOE-083 (Open Elective)	Product Development
11	NOE-084 (Open Elective)	Automation & Robotics
11	NCS-801	Digital Image Processing
11	NCS-080 (Departmental Elective)	Pattern Recognition
11	NCS-081 (Departmental Elective)	High Performance Computing
11	NCS-082 (Departmental Elective)	Real Time Systems
11	NCS-083 (Departmental Elective)	Cluster Computing
11	NCS-084 (Departmental Elective)	Grid Computing
11	NCS-085 (Departmental Elective)	Data Compression
11	NCS-086 (Departmental Elective)	Quality Management
11	NCS-087 (Departmental Elective)	Embedded System
11	NCS-088 (Departmental Elective)	Semantic Web and Web Services
11	NCS-851	Seminar
11	NCS-852	Project
11	GP-801	General Proficiency
79	KAS101T/KAS102T	Engineering Physics/Engineering Chemistry
79	KAS103T	Engineering Mathematics-I
79	KEE101T/KEC101T	Basic Electrical Engineering /Emerging Domain in Electronics Engineering
79	KCS101T/KME101T	Programming for Problem Solving/Fundamentals of Mechanical Engineering & Mecha
79	KAS151P/KAS152P	Engineering Physics Lab/Engineering Chemistry Lab
79	KEE151P/KEC151P	Basic Electrical Engineering Lab/ Electronics Engineering Lab
79	KCS151P/KAS154P	Programming for Problem Solving/English Language Lab
79	KCE151P/KWS151P	Engineering Graphics & Design Lab/Mechanical Workshop Lab
79	KMC101/KMC102	AI for Engineering/Emerging Technology for Engineering

B.Tech



Director

Orenacharya Group of Institutions  
29, KP-III, Greater Noida-201306

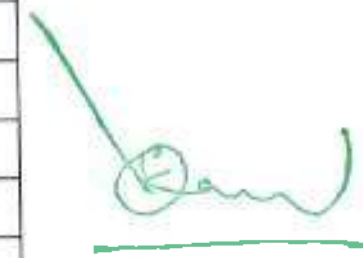


79	(Electronics & Computer Engineering) 1st Year	KNC 101	Soft Skill I
79		KAS201T/KAS202T	Engineering Physics/Engineering Chemistry
79		KAS203T	Engineering Mathematics-II
79		KEE201T/KEC201T	Basic Electrical Engineering/Emerging Domain in Electronics Engineering
79		KCS201T/KME201T	Programming for Problem Solving/ Fundamentals of Mechanical Engineering & Mech
79		KAS251P/KAS252P	Engineering Physics Lab/Engineering Chemistry Lab
79		KEE251P/KEC251P	Basic Electrical Engineering Lab/ Electronics Engineering Lab
79		KCS251P/KAS254P	Programming for Problem Solving/English Language Lab
79		KCE251P/KWS251P	Engineering Graphics & Design Lab/Mechanical Workshop Lab
79		KMC201/KMC202	AI for Engineering/Emerging Technology for Engineering
79		KNC201	Soft Skill II
79		KOE031 (Engineering Sci	Engineering Mechanics
79		KOE032 (Engineering Sci	Material Science
79	KOE033 (Engineering Sci	Energy Science & Engineering	
79	KOE034 (Engineering Sci	Sensor & Instrumentation	
79	KOE035 (Engineering Sci	Basics Data Structure & Algorithms	
79	KOE036 (Engineering Sci	Introduction to Soft Computing	
79	KOE037 (Engineering Sci	Analog Electronics Circuits	
79	KOE038 (Engineering Sci	Electronics Engineering	
79	KAS302	Maths III	
79	KAS301/KVE301	Technical Communication / Universal Human Values	
79	KEC301	Electronics Devices	
79	KEC302	Digital System Design	
79	KCS303	Discrete Structures & Theory of Logic	

  
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79	B.Tech (Electronics & Computer Engineering) 2nd Year	KEC351	Electronics Devices Lab
79		KEC352	Digital System Design Lab
79		KCS353	Discrete Structures & Logic lab
79		KEC354	Mini Project/Internship Assessment
79		KNC301/KNC302	Computer System Security / Python Programming
79		KAS402	Maths-IV
79		KOE041 (Engineering Sci	Engineering Mechanics
79		KOE042 (Engineering Sci	Material Science
79		KOE043 (Engineering Sci	Energy Science & Engineering
79		KOE044 (Engineering Sci	Sensor & Instrumentation
79		KOE045 (Engineering Sci	Basics Data Structure & Algorithms
79		KOE046 (Engineering Sci	Introduction to Soft Computing
79		KOE047 (Engineering Sci	Analog Electronics Circuits
79		KOE048 (Engineering Sci	Electronics Engineering
79		KVE401/KAS401	Universal Human Values/Technical Communication
79		KCS401	Operating Systems
79		KEC402	Analog Circuits
79		KEC403	Signal & System
79		KEC452	Analog Circuits Lab
79		KEC452	Signal System Lab
79	KCS451	Operating Systems Lab	
79	KNC402/KNC401	Python Programming/ Computer System Security	
70	KMBN101	Management Concepts & Organisational Behaviour	
70	KMBN102	Managerial Economics	

2020-21



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Master of  
Business (1st  
Year)

KMBN103	Financial Accounting & Analysis
KMBN104	Business Statistics & Analytics
KMBN105	Marketing Management
KMBN106	Design Thinking
KMBN107	Business Communication
KMBN151	IT Skills Lab 1
KMBN152	Mini Project- 1
KMBN201	Business Environment & Legal Aspect of Business
KMBN202	Human Resource Management
KMBN203	Business Research Methods
KMBN204	Financial Management & Corporate Finance
KMBN205	Operations Management
KMBN206	Quantitative Techniques for Managers
KMBN207	Digital Marketing & E Commerce
KMBN208	Management Information System
KMBN251	IT Skills Lab -2
KMBN252	Mini Project - 2
KMBN301	Strategic Management
KMBN302	Innovation and Entrepreneurship
KVE 301	Universal Human Values and Professional Ethics
KMBN HR01 (Elective I)	Talent Management
KMBN HR02	Employee Relations and Labour Laws
KMBN MK01	Consumer Behaviour and Marketing
KMBN MK02	Marketing Analytics

2020-21

  
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Master of  
Business 2nd  
Year

KMBN FM01	Investment Analysis and Portfolio Management
KMBN FM02	Financial Planning and Tax Management
KMBN IT01	Data Analytics for Business Decisions
KMBN IT02	AI and ML for Business
KMBN308	Summer Training Project Report & Viva Voce
KMBN401	Emerging Technologies in Global Business Environment
KMBN HR03	HR Analytics
KMBN HR04	Performance and Reward Management
KMBN HR05	International HRM
KMBN MK03	B2B and Services Marketing
KMBN MK04	Sales and Retail Management
KMBN MK05	Social Media and Web Analytics
KMBN FM03	Financial Derivatives
KMBN FM04	Foreign Exchange and Risk management
KMBN FM05	Financial and Credit Risk Analytivs
KMBN IT03	Data Base Management System
KMBN IT04	Cloud Computing for Business
KMBN IT05	Business Data Warehousing & Data Mining
KMBN408	Research Project Report & Viva Voce

2021-22

  
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**DRONACHARYA GROUP OF INSTITUTIONS , GREATER NOIDA**

2019-20

Prog ram code	Program Name	Course code	Course Name	Year of introduction (Syllabus Updated by University)
10	B.Tech.(Computer Science & Engineering) 1st Year	RAS103	Engineering Maths	2018-19
10		RAS101	Engineering Physics-I	
10		KAS101/ KAS102	Physics/Chemistry	
10		KAS103	Mathematics-I	
10		KEE101/ KCS101	Basic Electrical Engineering/Programming for Problem Solving	
10		KCE101/ KWS101	Engineering Graphics & Design/Workshop Practices	
10		KAS201/ KAS202	Physics/Chemistry	
10		KAS203	Mathematics II	
10		KEE201/ KCS201	Basic Electrical Engineering/Programming for Problem Solving	
10		KCE201/ KWS201	Engineering Graphics & Design/Workshop Practices	
10		KAS204	Professional English	
10		KAS301/ KVE 301	Technical Communication/Universal Human values	
10		KCS301	Data Structure	
10		KCS302	Computer Organization and Architecture	

  
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B.Tech.(Computer Science &Engineering) 2nd Year

KCS303	Discrete Structures & Theory of Logic
KCS351	Data Structures Using C Lab
KCS352	Computer Organization Lab
KCS353	Discrete Structure & Logic Lab
KCS354	Mini Project or Internship Assessment*
KNC301/KNC302	Computer System Security/Python Programming
KOE041	Engineering Mechanics
KOE042	Material Science
KOE044	Energy Science & Engineering
KOE044	Sensor & Instrumentation
KOE045	Basics Data Structure & Algorithms
KOE046	Introduction to Soft Computing
KOE047	Analog Electronics Circuits
KOE048	Electronics Engineering
KAS402	Maths III
KVE401/KAS301	Universal Human Values/Technical Communication
KCS401	Operating Systems
KCS402	Theory of Automata and Formal Languages
KCS403	Microprocessor

2019-20



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10	KCS451	Operating Systems Lab	
10	KCS452	Microprocessor Lab	
10	KCS453	Python Language Programming Lab	
10	KNC402/ KNC401	Python Programming/Computer System Security	
10	RAS501	MANEGERIAL ECONOMICS	
10	RAS502/RUC501	INDUSTRIAL SOCIOLOGY/CYBER SECURITY	
10	RCS-501	Database Management Systems	
10	RCS-502	Design and Analysis of Algorithm	
10	RCS-503	Principles of Programming Languages	
10	RIT051	Software Project Management	
10	RIT052	Software Testing & Audit	
10	RCS051	Operation Research	
10	RCS052	Web Technologies	
10	RCS-551	Database Management Systems Lab	
10	RCS-552	Design and Analysis of Algorithm Lab	
10	RCS-553	Principles of Programming Languages Lab	
10	RCS-554	Web Technologies Lab	
10	RAS601	INDUSTRIAL MANAGEMENT	
10	RAS502/RUC501	INDUSTRIAL SOCIOLOGY/CYBER SECURITY	

B.Tech.(Computer Science &Engineering) 3rd Year

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RCS-601	Computer Networks
RCS-602	Compiler Design
RCS-603	Computer Graphics
RIT061	Design and Development of Applications
RIT062	Data Warehousing & Data Mining
RCS061	Internet of Things
RCS-062	Neural Network
RCS-651	Computer Networks Lab
RCS-652	Compiler Design Lab
RCS-653	Computer Graphics Lab
RCS-654	Data Warehousing & Data Mining Lab
ROE071	Modelling and Simulation of Dynamic Systems
ROE072	Introduction to Smart Grid
ROE073	Cloud computing
ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfilment
RCS070	Embedded Systems
RCS071	Application of Soft Computing
RCS072	High Performance Computing
RCS073	Human Computer Interface



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B.Tech.(Computer Science  
&Engineering) 4th Year

RCS075	Cloud Computing
RCS076	Blockchain Architecture Design
RCS077	Agile Software Development
RCS078	Augmented & Virtual Reality
RCS701	Distributed System
RCS702	Artificial Intelligence
RCS751	Distributed System Lab
RCS752	Artificial Intelligence Lab
RCS753	Industrial Training
RCS754	Project
ROE081	Digital and Social Media Marketing
ROE082	Entrepreneurship Development
ROE083	Machine Learning
ROE084	Micro and Smart Systems
ROE085	Operations Research
ROE086	Renewable Energy Resources
ROE087	*Human Values in Madhyasth Darshan
ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society
RCS080	Machine Learning


2019-20

  
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B.Tech.(Electronics  
&Communication  
Engineering) 1st Year

RCS081	Game Programming
RCS082	Image Processing
RCS083	Parallel and Distributed Computing
RCS085	Speech Natural language processing
RCS086	Deep Learning
RCS087	Data Compression
RCS088	Quantum Computing
RCS851	Seminar
RCS852	Project
RAS103	Engineering Maths
RAS101	Engineering Physics-I
KAS101/ KAS102	Physics/Chemistry
KAS103	Mathematics-I
KEE101/ KCS101	Basic Electrical Engineering/Programming for Problem Solving
KCE101/ KWS101	Engineering Graphics & Design/Workshop Practices
KAS201/ KAS202	Physics/Chemistry
KAS203	Mathematics II
KEE201/ KCS201	Basic Electrical Engineering/Programming for Problem Solving
KCE201/ KWS201	Engineering Graphics & Design/Workshop Practices

2018-19  
  
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31	KAS204	Professional English
31	KOE031	Engineering Mechanics
31	KOE032	Material Science
31	KOE033	Energy Science & Engineering
31	KOE034	Sensor & Instrumentation
31	KOE035	Basics Data Structure & Algorithms
31	KOE036	Introduction to Soft Computing
31	KOE037	Analog Electronics Circuits
31	KOE038	Electronics Engineering
31	KAS302	Maths III
31	KAS301/ KVE301	Technical Communication /Universal Human values
31	KEC301	Electronic Devices
31	KEC302	Digital System Design
31	KEC303	Network Analysis and Synthesis
31	KEC351	Electronics Devices Lab
31	KEC352	Digital System Design Lab
31	KEC353	Network Analysis and Synthesis lab
31	KEC354	Mini Project or Internship Assessment
31	KNC301 /KNC302	Computer System Security /Python Programming

B.Tech,(Electronics  
& Communication

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31	KOE041	Engineering Mechanics
31	KOE042	Material Science
31	KOE044	Energy Science & Engineering
31	KOE044	Sensor & Instrumentation
31	KOE045	Basics Data Structure & Algorithms
31	KOE046	Introduction to Soft Computing
31	KOE047	Analog Electronics Circuits
31	KOE048	Electronics Engineering
31	KAS402	Maths III
31	KAS402/ KOE041-48	Maths-IV / Engg. Science Course
31	KVE401/ KAS401	Universal Human Values/ Technical Communication
31	KEC401	Communication Engineering
31	KEC402	Analog Circuits
31	KEC403	Signal System
31	KEC451	Communication Engineering Lab
31	KEC452	Analog Circuits Lab
31	KEC453	Signal System Lab
31	KNC402/ KNC401	Python Programming/ Computer System Security
31	RAS501	Managerial Economics


  
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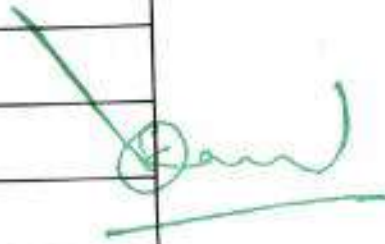
B.Tech.(Electronics  
&Communication  
Engineering) 3rd Year

RAS502/RUC501	Sociology/Cyber Security
REC501A	Integrated Circuits
REC502	Principles of Communication
REC503	Digital Signal Processing
REC051	Antenna & wave propagation
REC052	Computer Architecture and Organization
REC053	Real Time Systems
REC054	Artificial Neural Networks
REC055	Advance Semiconductor devices
REC551	Integrated Circuits Lab
REC552	Communication Lab – I
REC553	Digital Signal Processing Lab
REC554	CAD of Electronics Lab-I
RAS601	Industrial Management
RAS602/ RUC601	Sociology /Cyber Security
RIC603	Control System I
REC601	Microwave Engineering
REC602	Digital Communication
REC061	Industrial Electronics

2018-19

  
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31	REC062	Microcontroller for Embedded Systems
31	REC063	Analog Signal Processing
31	REC064	Advance Digital Design Using Verilog
31	REC065	RADAR Engineering
31	REC-651	Microwave Engg Lab
31	REC-652	Communication Lab- II
31	RIC-653	Control System Lab-I
31	RIC-651	Microcontrollers For Embedded Systems Lab
31	ROE071	Modelling and Simulation of Dynamic Systems
31	ROE072	Introduction to Smart Grid
31	ROE073	Cloud computing
31	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfilment
31	REC070	Optical Network
31	REC071	Information Theory & Coding
31	REC072	Digital Image Processing
31	REC073	Advance Programming in Engineering
31	REC075	Optical Communication
31	REC076	Filter Design
31	REC077	Applied Fuzzy Electronic Systems




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B.Tech.(Electronics  
&Communication  
Engineering) 4th Year

REC078	Computerized Process Control
REC701	Data Communication Networks
REC702	VLSI Design
REC751	Optical Communication Lab
REC752	Electronics Circuit Design Lab
REC753	Industrial Training Viva- Voce
REC754	Project-I
ROE081	Digital and Social Media Marketing
ROE082	Entrepreneurship Development
ROE083	Machine Learning
ROE084	Micro and Smart Systems
ROE085	Operations Research
ROE086	Renewable Energy Resources
ROE087	*Human Values in Madhyasth Darshan
ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society
REC080	Electronic Switching
REC081	Analytical Instrumentation
REC082	Advanced Display Technologies & Systems
REC083	Satellite & RADAR systems

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31	REC085	Wireless & Mobile Communication	
31	REC086	Voice Over IP	
31	REC087	Speech Processing	
31	REC088	Micro and Smart Systems	
31	REC851	GD & Seminar	
31	REC852	Project	
21	KAS101/ KAS102	Physics/Chemistry	2018-19
21	KAS103	Mathematics-I	
21	KEE101/ KCS101	Basic Electrical Engineering/Programming for Problem Solving	
21	KCE101/ KWS101	Engineering Graphics & Design/Workshop Practices	
21	KAS201/ KAS202	Physics/Chemistry	
21	KAS203	Mathematics II	
21	KEE201/ KCS201	Basic Electrical Engineering/Programming for Problem Solving	
21	KCE201/ KWS201	Engineering Graphics & Design/Workshop Practices	
21	KAS204	Professional English	
21	KOE031	Engineering Mechanics	
21	KOE032	Material Science	
21	KOE033	Energy Science & Engineering	
21	KOE034	Sensor & Instrumentation	

B.Tech.(Electrical  
& Electronics Engineering) 1st  
Year

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B.Tech.(Electrical  
&Electronics Engineering)  
2nd Year

KOE035	Basics Data Structure & Algorithms
KOE036	Introduction to Soft Computing
KOE037	Analog Electronics Circuits
KOE038	Electronics Engineering
KAS302	Maths III
KAS301/ KVE301	Technical Communication/ Universal Human values
KEE301	Electromagnetic Field Theory
KEE302	Electrical Measurements & Instrumentation
KEE303	Basic Signals & Systems
KEE351	Analog Electronics Lab
KEE352	Electrical Measurements and Instrumentation Lab
KEE353	Electrical Workshop
KEE354	Mini Project or Internship Assessment*
KNC301/ KNC302	Computer System Security/Python Programming
KOE041	Engineering Mechanics
KOE042	Material Science
KOE044	Energy Science & Engineering
KOE044	Sensor & Instrumentation
KOE045	Basics Data Structure & Algorithms

2019-20

  
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21	KOE046	Introduction to Soft Computing
21	KOE047	Analog Electronics Circuits
21	KOE048	Electronics Engineering
21	KAS402	Maths III
21	KVE401/ KAS401	Universal Human Values/Technical Communication
21	KEE401	Digital Electronics
21	KEE402	Electrical Machines-I
21	KEE403	Networks Analysis & Synthesis
21	KEE451	Circuit Simulation Lab
21	KEE452	Electrical Machines-I Lab
21	KEE453	Digital Electronics Lab
21	KNC402/ KNC401	Python Programming/Computer System Security
21	RAS501	MANAGERIAL ECONOMICS
21	RAS502/ RUC501	SOCIOLOGY/CYBER SECURITY
21	REE501	ELECTRICAL MACHINES -II
21	REE502	POWER TRANSMISSION & DISTRIBUTION
21	REE503	CONTROL SYSTEM
21	REE051	POWER SYSTEM OPTIMIZATION
21	REE052	Principals of Communication

  
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21	REE053	Fundamentals of Digital Signal Processing
21	REE054	INTERNET OF THINGS
21	REE551	ELECTRICAL MACHINES –II LAB
21	REE553	CONTROL SYSTEM LAB
21	REE554	SOFTWARE BASED POWER SYSTEM LAB
21	REE555	SEMINAR – I
21	RAS601	INDUSTRIAL MANAGEMENT
21	RAS602/ RUC601	SOCIOLOGY/ CYBER SECURITY
21	REE601	POWER ELECTRONICS
21	REE602	MICROPROCESSOR
21	REE603	POWER SYSTEM ANALYSIS
21	REE061	Intelligent Sensors & Instrumentation
21	REE062	Bio-medical Instrumentation
21	REE063	High Voltage Engineering
21	REE064	Special Electrical Machines
21	REE661	POWER ELECTRONICS LAB
21	REE662	MICROPROCESSOR LAB
21	REE664	ELECTRICAL DESIGN & FABRICATION LAB
21	REE665	Seminar - II

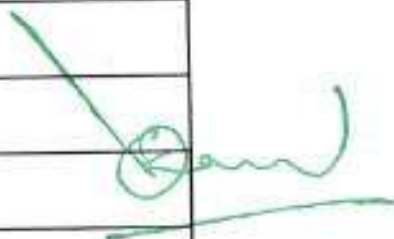
B.Tech.(Electrical  
&Electronics Engineering) 3rd  
Year

2018-19

  
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21	ROE071	Modelling and Simulation of Dynamic Systems
21	ROE072	Introduction to Smart Grid
21	ROE073	Cloud computing
21	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfilment
21	REE070	Microprocessors and Microcontrollers
21	REE071	Utilization of Electrical Energy & Electric Traction
21	REE072	Introduction to Smart Grid
21	REN070	Introduction to Robotics
21	REE075	<i>Industrial Automation and Control</i>
21	REE076	Energy Efficiency & Conservation
21	REE077	Reliability Engineering
21	REN075	Telemetry & Data Transmission
21	REN701	COMMUNICATION SYSTEMS
21	REE702	POWER SYSTEM PROTECTION
21	REE751	INDUSTRIAL AUTOMATION & PLC LAB
21	REE752	POWER SYSTEM LAB
21	REN753	INDUSTRIAL TRAINING
21	REN754	PROJECT-I
21	ROE081	Digital and Social Media Marketing

B.Tech.(Electrical  
&Electronics Engineering) 4th  
Year

  
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2019-20



21	ROE082	Entrepreneurship Development
21	ROE083	Machine Learning
21	ROE084	Micro and Smart Systems
21	ROE085	Operations Research
21	ROE086	Renewable Energy Resources
21	ROE087	*Human Values in Madhyasth Darshan
21	ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society
21	REE080	Advanced Control System
21	REE081	Introduction to Power Quality & FACTS
21	REE082	Power System Dynamics, Control and Monitoring
21	REN080	Optical Fiber Communication
21	REE085	EHVAC & DC Transmission
21	REE086	Power Theft & Energy Management
21	REE087	Digital Image Processing
21	REE088	Antennas
21	REE851	GD & SEMINAR
21	REE852	PROJECT-2
13	KAS101/ KAS102	Physics/Chemistry
13	KAS103	Mathematics-I

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B.Tech.(Information Technology) 1st Year

KEE101/ KCS101	Basic Electrical Engineering/Programming for Problem Solving
KCE101/ KWS101	Engineering Graphics & Design/Workshop Practices
KAS201/ KAS202	Physics/Chemistry
KAS203	Mathematics II
KEE201/ KCS201	Basic Electrical Engineering/Programming for Problem Solving
KCE201/ KWS201	Engineering Graphics & Design/Workshop Practices
KAS204	Professional English
KOE031	Engineering Mechanics
KOE032	Material Science
KOE033	Energy Science & Engineering
KOE034	Sensor & Instrumentation
KOE035	Basics Data Structure & Algorithms
KOE036	Introduction to Soft Computing
KOE037	Analog Electronics Circuits
KOE038	Electronics Engineering
KAS302	Maths III
KOE031- 38/ KAS302	Engineering Science Course/Maths-IV
KAS301/ KVE301	Technical Communication/Universal Human Values
KCS301	Data Structure

2018-19

  
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B.Tech.(Information  
Technology) 2nd Year


KCS302	Computer Organization and Architecture
KCS303	Discrete Structures & Theory of Logic
KCS351	Data Structures Using C Lab
KCS352	Computer Organization Lab
KCS353	Discrete Structure & Logic Lab
KCS354	Mini Project or Internship Assessment*
KNC301/ KNC302	Computer System Security/Python Programming
KOE041	Engineering Mechanics
KOE042	Material Science
KOE044	Energy Science & Engineering
KOE044	Sensor & Instrumentation
KOE045	Basics Data Structure & Algorithms
KOE046	Introduction to Soft Computing
KOE047	Analog Electronics Circuits
KOE048	Electronics Engineering
KAS402	Maths III
KVE401/ KAS401	Universal Human Values/Technical Communication
KCS401	Operating Systems
KCS402	Theory of Automata and Formal Languages

2019-20

  
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13	KIT401	Web Designing
13	KCS451	Operating Systems Lab
13	KIT451	Web Designing Lab
13	KCS453	Python Language Programming Lab
13	KNC402/ KNC401	Python Programming/ Computer System Security
13	RAS501	MANEGERIAL ECONOMICS
13	RAS502/ RUC501	INDUSTRIAL SOCIOLOGY /CYBER SECURITY
13	RCS-501	Database Management Systems
13	RCS-502	Design and Analysis of Algorithm
13	RCS-503	Principles of Programming Languages
13	RIT-E11	SOFTWARE PROJECT MANAGEMENT
13	RIT-E12	SOFTWARE TESTING & AUDIT
13	RIT-E13	OBJECT ORIENTED TECHNIQUES
13	RCS-E11	OPERATION RESEARCH
13	RCS-551	Database Management Systems Lab
13	RCS-552	Design and Analysis of Algorithm Lab
13	RCS-553	Principles of Programming Languages Lab
13	RIT-554	Object Oriented Techniques Lab
13	RAS601	INDUSTRIAL MANAGEMENT

B.Tech.(Information  
Technology) 3rd Year

  
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2018-19

13	RAS602 / RUC601	CYBER SECURITY/ INDUSTRIAL SOCIOLOGY	
13	RCS-601	Computer Networks	
13	RCS-602	Compiler Design	
13	RCS-603	Web Technology	
13	RIT-E21	DESIGN AND DEVELOPMENT OF APPLICATIONS	
13	RIT-E22	DATAWAREHOUSING & DATA MINING	
13	RCS-E21	INTERNET OF THINGS	
13	RCS-E22	NEURAL NETWORK	
13	RCS-651	Computer Networks Lab	
13	RCS-652	Compiler Design Lab	
13	RCS-653	Web Technology Lab	
13	RCS-654	Data Warehousing & Data Mining Lab	
13	ROE071	Modelling and Simulation of Dynamic Systems	
13	ROE072	Introduction to Smart Grid	
13	ROE073	Cloud computing	
13	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfilment	
13	RIT070	Computer Graphics	
13	RCS071	Application of Soft Computing	
13	RCS072	High Performance Computing	

  
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B.Tech.(Information Technology) 4th Year

RCS073	Human Computer Interface
RCS075	Cloud Computing
RCS076	Blockchain Architecture Design
RCS077	Agile Software Development
RCS078	Augmented & Virtual Reality
RIT701	Cryptography & Network Security
RCS702	Artificial Intelligence
RIT751	Cryptography & Network Security Lab
RCS752	Artificial Intelligence Lab
RIT753	Industrial Training
RIT754	Project
ROE081	Digital and Social Media Marketing
ROE082	Entrepreneurship Development
ROE083	Machine Learning
ROE084	Micro and Smart Systems
ROE085	Operations Research
ROE086	Renewable Energy Resources
ROE087	*Human Values in Madhyasth Darshan
ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society

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13	RCS080	Machine Learning	
13	RCS081	Game Programming	
13	RCS082	Image Processing	
13	RCS083	Parallel and Distributed Computing	
13	RCS085	Speech Natural language processing	
13	RCS086	Deep Learning	
13	RCS087	Data Compression	
13	RCS088	Quantum Computing	
13	RIT851	Seminar	
13	RIT852	Project	
40	KAS101/ KAS102	Physics/Chemistry	
40	KAS103	Mathematics-I	
40	KEE101/ KCS101	Basic Electrical Engineering/Programming for Problem Solving	
40	KCE101/ KWS101	Engineering Graphics & Design/Workshop Practices	
40	KAS201/ KAS202	Physics/Chemistry	2018-19
40	KAS203	Mathematics II	
40	KEE201/ KCS201	Basic Electrical Engineering/Programming for Problem Solving	
40	KCE201/ KWS201	Engineering Graphics & Design/Workshop Practices	
40	KAS204	Professional English	

B.Tech.(Mechanical Engineering) I Year

  
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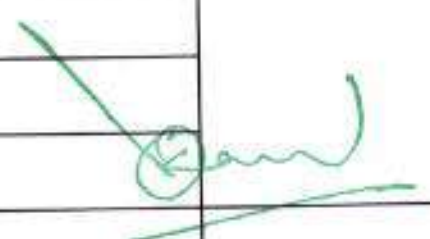
40		KOE031	Engineering Mechanics
40		KOE032	Material Science
40		KOE033	Energy Science & Engineering
40		KOE034	Sensor & Instrumentation
40		KOE035	Basics Data Structure & Algorithms
40		KOE036	Introduction to Soft Computing
40		KOE037	Analog Electronics Circuits
40		KOE038	Electronics Engineering
40		KAS302	Maths III
40		KAS301/ KVE301	Technical Communication/Universal Human Values
40		KME301	Thermodynamics
40		KME302	Fluid Mechanics & Fluid Machines
40		KME303	Materials Engineering
40		KME351	Fluid Mechanics Lab
40		KME352	Material Testing Lab
40		KME353	Computer Aided Machine Drawing-I Lab
40		KME354	Mini Project or Internship Assessment*
40	B.Tech.(Mechanical Engineering) 2nd Year	KNC301/ KNC302	Computer System Security/Python Programming
40		KOE041	Engineering Mechanics

  
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KOE042	Material Science
KOE044	Energy Science & Engineering
KOE044	Sensor & Instrumentation
KOE045	Basics Data Structure & Algorithms
KOE046	Introduction to Soft Computing
KOE047	Analog Electronics Circuits
KOE048	Electronics Engineering
KAS402	Maths III
KVE401/ KAS401	Universal Human Values/Technical Communication
KME401	Applied Thermodynamics
KME402	Engineering Mechanics
KME403	Manufacturing Processes
KME451	Applied Thermodynamics
KME452	Manufacturing Processes Lab
KME453	Computer Aided Machine Drawing-II Lab
KNC402/ KNC401	Python Programming / Computer System Security
RAS501	Managerial Economics
RAS502/ RUC501	Sociology /Cyber Security
RME501	Machine Design-I



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B.Tech.(Mechanical Engineering) 3rd Year

RME502	Heat & Mass Transfer
RME503	Manufacturing Science & Technology-II
RME051	IC Engines and Compressors
RME052	Mechatronics and Microprocessor
RME053	Finite Element Methods
RME054	Engineering Optimization
RME551	Design and Simulation Lab I
RME552	Heat & Mass Transfer Lab
RME553	Manufacturing Technology-II Lab
RME559	Seminar – I
RAS601	Industrial Management
RUC601/ RAS602	Cyber Security/ Sociology
RME601	Fluid Machinery
RME602	Theory of Machines
RME603	Machine Design-II
RME061	Refrigeration & Air-conditioning
RME062	Production Planning and Control
RME063	Mechanical Vibration
RME064	Reliability Engineering

2018-19

  
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40	RME651	Fluid Machinery Lab	
40	RME652	Theory of Machines Lab	
40	RME653	Design and Simulation Lab II	
40	RME654	Refrigeration & Air- conditioning	
40	ROE071	Modelling and Simulation of Dynamic Systems	
40	ROE072	Introduction to Smart Grid	
40	ROE073	Cloud computing	
40	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfilment	
40	RME070	Composite Materials	
40	RME071	Power Plant Engineering	
40	RME072	Supply Chain Management	
40	RME073	Additive Manufacturing	
40	RME075	Operation Research	
40	RME076	Modelling & Simulation	
40	RME077	Computational Fluid Dynamics	
40	RME078	Automation & Robotics	
40	RME701	CAD/CAM	
40	RME702	Automobile Engineering	
40	RME751	CAD/CAM Lab	


  
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**B.Tech.(Mechanical Engineering) 4th Year**

RME752	IC Engine & Automobile Lab
RME753	INDUSTRIAL TRAINING
RME754	PROJECT-I
ROE081	Digital and Social Media Marketing
ROE082	Entrepreneurship Development
ROE083	Machine Learning
ROE084	Micro and Smart Systems
ROE085	Operations Research
ROE086	Renewable Energy Resources
ROE087	*Human Values in Madhyasth Darshan
ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society
RME080	Non-Destructive Testing
RME081	Advance Welding
RME082	Thermal Turbo Machine
RME083	Energy Conservation & Management
RME085	Total Quality Management
RME086	Gas Dynamics & Jet Propulsion
RME087	Design & Transmission System
RME088	Theory of Elasticity

2019-20

  
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40		RME851	SEMINAR		
40		RME852	PROJECT-2		
00	B.Tech.(Civil Engineering) 1st Year	KAS101/ KAS102	Physics/Chemistry	2018-19	
00		KAS103	Mathematics-I		
00		KEE101/ KCS101	Basic Electrical Engineering/Programming for Problem Solving		
00		KCE101/ KWS101	Engineering Graphics & Design/Workshop Practices		
00		KAS201/ KAS202	Physics/Chemistry		
00		KAS203	Mathematics II		
00		KEE201/ KCS201	Basic Electrical Engineering/Programming for Problem Solving		
00		KCE201/ KWS201	Engineering Graphics & Design/Workshop Practices		
00		KAS204	Professional English		
00		KOE031	Engineering Mechanics		 Director Dronacharya Group of Institutions 27, KP-III, Greater Noida-201306
00		KOE032	Material Science		
00		KOE033	Energy Science & Engineering		
00	KOE034	Sensor & Instrumentation			
00	KOE035	Basics Data Structure & Algorithms			
00	KOE036	Introduction to Soft Computing			
00	KOE037	Analog Electronics Circuits			
00	KOE038	Electronics Engineering			

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B.Tech.(Civil Engineering)  
2nd Year

KAS303	Maths III
KAS301/ KVE301	Technical Communication/ Universal Human Values
KCE301	Engg. Mechanics
KCE302	Surveying and Geomatics
KCE303	Fluid Mechanics
KCE351	Building Planning & Drawing Lab
KCE352	Surveying and Geomatics Lab
KCE353	Fluid Mechanics Lab
KCE354	Mini Project or Internship Assessment*
KNC301/ KNC302	Computer System Security/ Python Programming
KOE041	Engineering Mechanics
KOE042	Material Science
KOE044	Energy Science & Engineering
KOE044	Sensor & Instrumentation
KOE045	Basics Data Structure & Algorithms
KOE046	Introduction to Soft Computing
KOE047	Analog Electronics Circuits
KOE048	Electronics Engineering
KAS403	Maths III

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00	KVE401/ KAS401	Universal Human Values/Technical Communication
00	KCE401	Materials, Testing & Construction Practices
00	KCE402	Introduction to Solid Mechanics
00	KCE403	Hydraulic Engineering and Machines
00	KCE451	Material Testing Lab
00	KCE452	Solid Mechanics Lab
00	KCE453	Hydraulics & Hydraulic Machine Lab
00	KNC402/ KNC401	Python Programming/Computer System Security
00	RAS501	MANEGIRIAL ECONOMICS
00	RAS- 502/ RUC501	SOCIOLOGY /CYBER SECURITY
00	RCE501	GEOTECHNICAL ENGINEERING
00	RCE502	DESIGN OF STRUCTURE-I
00	RCE503	QUANTITY ESTIMATION AND MANAGEMENT
00	RCE051	MODERN CONSTRUCTION MATERIALS
00	RCE052	CONCRETE TECHNOLOGY
00	RCE053	GEOENVIRONMENTAL
00	RCE551	GEOTECHNICAL ENGINEERING LAB
00	RCE552	CAD LAB-I
00	RCE553	CONSTRUCTION MANAGEMENT LAB



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00	B.Tech.(Civil Engineering) 3rd Year	RCE554	CONCRETE LAB	2018-19
00		RAS601	INDUSTRIAL MANAGEMENT	
00		RUC601/ RAS602	CYBER SECURITY/SOCIOLOGY	
00		RCE601	DESIGN OF STRUCTURE-II	
00		RCE602	ENVIRONMENTAL ENGINEERING	
00		RCE603	TRANSPORTATION ENGINEERING	
00		RCE061	FOUNDATION DESIGN	
00		RCE062	INTEGRATED WASTE MANAGEMENT FOR A SMART CITY	
00		RCE063	GEOSYNTHESIS AND REINFORCED SOIL STRUCTURES	
00		RCE651	CAD LAB-2	
00		RCE652	ENVIRONMENTAL ENGINEERING LAB	
00		RCE653	TRANSPORTATION ENGINEERING LAB	
00		RCE 654	STRUCTURAL DETAILING LAB	
00		ROE071	Modelling and Simulation of Dynamic Systems	
00		ROE072	Introduction to Smart Grid	
00	ROE073	Cloud computing		
00	ROE074	Understanding the human being Comprehensively Human Aspiration audits fulfilment		
00	RCE071	Geology and Soil Mechanics		
00	RCE072	Rural Development Engineering		

  
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B.Tech.(Civil Engineering)  
4th Year

RCE073	Structural Health Monitoring & Rehabilitation
RCE074	River Engineering
RCE075	Computational Fluid Dynamics
RCE076	Railways, Airport & Water Ways
RCE077	Air & Noise Pollution Control
RCE078	Ground Improvement Techniques
RCE701	Design of Structure-III
RCE702	Water Resources
RCE751	Non Destructive Testing Laboratory
RCE752	Mini Project
RCE753	Industrial Training
RCE754	Project-I
ROE081	Digital and Social Media Marketing
ROE082	Entrepreneurship Development
ROE083	Machine Learning
ROE084	Micro and Smart Systems
ROE085	Operations Research
ROE086	Renewable Energy Resources
ROE087	*Human Values in Madhyasth Darshan

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00	ROE088	*Values, Relationship & Ethical Human Conduct-For a Happy & Harmonious Society
00	RCE081	Finite Element Method
00	RCE082	Structural Dynamics
00	RCE083	Advanced Concrete Design
00	RCE084	Solid Waste Management
00	RCE085	Engineering Hydrology and Ground Water Management
00	RCE086	Urban Transportation System & Planning
00	RCE087	Probability Methods in Civil Engineering
00	RCE088	Earthquake Resistant Design of Structure
00	RCE851	Seminar
00	RCE852	Project-2
11	KAS101/ KAS102	Physics/Chemistry
11	KAS103	Mathematics-I
11	KEE101/ KCS101	Basic Electrical Engineering/Programming for Problem Solving
11	KCE101/ KWS101	Engineering Graphics & Design/Workshop Practices
11	KAS201/ KAS202	Physics/Chemistry
11	KAS203	Mathematics II
11	KEE201/ KCS201	Basic Electrical Engineering/Programming for Problem Solving
11	KCE201/ KWS201	Engineering Graphics & Design/Workshop Practices

B.Tech.(Computer Science  
&Information Technology) 1st  
Year

2018-19

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11	KAS204	Professional English
11	KOE031	Engineering Mechanics
11	KOE032	Material Science
11	KOE033	Energy Science & Engineering
11	KOE034	Sensor & Instrumentation
11	KOE035	Basics Data Structure & Algorithms
11	KOE036	Introduction to Soft Computing
11	KOE037	Analog Electronics Circuits
11	KOE038	Electronics Engineering
11	KAS302	Maths III
11	KAS301/ KVE 301	Technical Communication/Universal Human values
11	KCS301	Data Structure
11	KCS302	Computer Organization and Architecture
11	KCS303	Discrete Structures & Theory of Logic
11	KCS351	Data Structures Using C Lab
11	KCS352	Computer Organization Lab
11	KCS353	Discrete Structure & Logic Lab
11	KCS354	Mini Project or Internship Assessment*
11	KNC301/ KNC302	Computer System Security/Python Programming

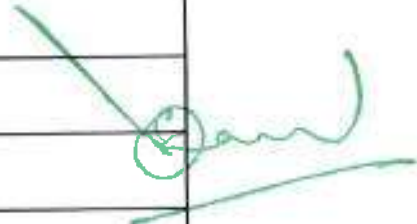
B.Tech.(Computer Science & Information Technology)

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2019-20

2nd Year

11		KOE041	Engineering Mechanics
11		KOE042	Material Science
11		KOE044	Energy Science & Engineering
11		KOE044	Sensor & Instrumentation
11		KOE045	Basics Data Structure & Algorithms
11		KOE046	Introduction to Soft Computing
11		KOE047	Analog Electronics Circuits
11		KOE048	Electronics Engineering
11		KAS402	Maths III
11		KVE401/KAS301	Universal Human Values/Technical Communication
11		KCS401	Operating Systems
11		KCS402	Theory of Automata and Formal Languages
11		KCS403	Microprocessor
11		KCS451	Operating Systems Lab
11		KCS452	Microprocessor Lab
11		KCS453	Python Language Programming Lab
11		KNC402/ KNC401	Python Programming/Computer System Security
11	B.Tech.(Computer Science & Information Technology) 2nd Year	NCS 501	Design and Analysis of Algorithm

  
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2015-16



11	NCS 502	Database Management System
11	NCS 503	Principle of Programming Language
11	NCS 504	Web Technology
11	NCS 505	Computer Architecture
11	NHU501	Engineering Economics
11	NCS 551	Design and Analysis of Algorithm Lab
11	NCS 552	DBMS Lab
11	NCS 553	Principle of Programming Language Lab
11	NCS 554	Web Technology Lab
11	NGP 501	GP
11	NCS 601	Computer Networks
11	NCS 602	Software Engineering
11	NCS 603	Compiler Design
11	NCS 061	Computational Geometry

  
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NCS 062	Complexity Theory
NCS 063	Parallel Algorithm
NCS 064	Approximation & Randomized Algorithm
NCS 065	Concurrent System
NCS 066	Data Warehousing & Data Mining
NCS 067	Distributed Database
NCS 068	E-Commerce
NCS 069	Advance DBMS
NCS 070	Human Computer Interface
NHU 601	Industrial Management
NCS 651	Computer Networks Lab
NCS 652	Software Engineering Lab
NCS 653	Compiler Design Lab
NIT 654	SEMINAR



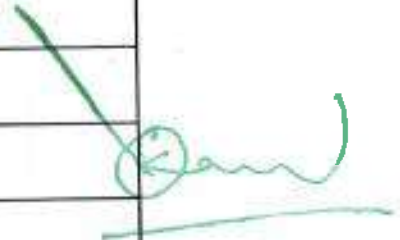
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11	NGP 601	GP
11	NOE-071	Entrepreneurship Development
11	NOE-072	Quality Management
11	NOE-073	Operations Research
11	NOE-074	Introduction to Bio Technology
11	NOE-075	Mobile Application Development
11	NOE-076	Ethical Hacking and Prevention
11	NOE-077	Software Project Management
11	NCS-701	Distributed System
11	NCS-702	Artificial Intelligence
11	NCS-071	Software Testing and Audit
11	NCS-072	Neural Network
11	NCS-073	Computer Vision
11	NCS-074	High Speed Network
11	NCS-075	Android Operating System
11	NCS-076	Service Oriented Architecture
11	NIT-701	Cryptographic & Network Security
11	NCS-751	Distributed System
11	NCS-752	Project

B.Tech (Computer Science)

  
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11	B.Tech.(Computer Science & Information Technology) 4th year	NCS-753	Industrial Training
11		GP-701	General Proficiency
11		NOE-081	Non Conventional Energy Resources
11		NOE-082	Non Linear Dynamics Systems
11		NOE-083	Product Development
11		NOE-084	Automation & Robotics
11		NCS-801	Digital Image Processing
11		NCS-080	Pattern Recognition
11		NCS-081	High Performance Computing
11		NCS-082	Real Time Systems
11		NCS-083	Cluster Computing
11		NCS-084	Grid Computing
11		NCS-085	Data Compression
11		NCS-086	Quality Management
11		NCS-087	Embedded System
11		NCS-088	Semantic Web and Web Services
11		NCS-851	Seminar
11	NCS-852	Project	
11	GP-801	General Proficiency	


  
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70	Master of Business Administration 1st Year	KMB101	MANAGEMENT CONCEPT & INDIAN ETHOS	2018-19
70		KMB102	MANAGERIAL ECONOMICS	
70		KMB103	FINANCIAL ACCOUNTING FOR MANAGERS	
70		KMB104	BUSINESS STATISTICS AND ANALYSIS	
70		KMB105	ORGANISATIONAL BEHAVIOUR	
70		KMB106	MARKETING MANAGEMENT - I	
70		KMB107	BUSINESS COMMUNICATION	
70		KMB108	COMPUTER APPLICATION IN MANAGEMENT	
70		NONCREDIT	DEVELOPING SOFT SKILLS & PERSONALITY	
70		KMB201	BUSINESS ENVIRONMENT	
70		KMB202	HUMAN RESOURCE MANAGEMENT	
70		KMB203	BUSINESS RESEARCH METHODS	
70		KMB204	FINANCIAL MANAGEMENT & CORPORATE FINANCE	
70		KMB205	OPERATIONS MANAGEMENT	
70		KMB206	QUANTITATIVE TECHNIQUES FOR MANAGERS	
70		KMB207	LEGAL ASPECTS OF BUSINESS	
70		KMB208	MARKETING MANAGEMENT – II	
70		KMB209	COMPREHENSIVE VIVA	
70		NON CREDIT	DEVELOPING SOFT SKILLS & PERSONALITY	

Dr. Anand K. Singh  
27, KP-III,

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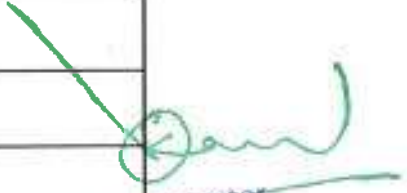


70	KMB301	Strategic Management	 <b>Director</b> <b>Dronacharya Group of Institutions</b> <b>27, KP-111, Greater Noida-201306</b>
70	KMB302	International Business Management	
70	KMBHR01	Talent Management	
70	KMBHR02	Performance and Reward Management	
70	KMBHR03	Employee Relations and Labour Laws	
70	KMBMK01	Sales & Retail Management	
70	KMBMK02	Consumer Behaviour & Marketing Communications	
70	KMBMK03	Digital & Social Media Marketing	
70	KMBFM01	Investment Analysis & Portfolio Management	
70	KMBFM02	Tax Planning and Management	
70	KMBFM03	Financial Market & Services	
70	KMBIB01	International Marketing	
70	KMBIB02	International Logistics	
70	KMBIB03	Export Import Documentation	
70	KMBIT01	Enterprise Resource Planning	
70	KMBIT02	Web Technology & E- Commerce	
70	KMBIT03	Cloud Computing for Business	
70	KMBOM01	Supply Chain & Logistics Management	
70	KMBOM02	Operations Planning and Control	

Master of Business  
Administration 2nd Year

2019-20

70	KMBOM03	Quality Toolkit For Managers
70	KMB303	Summer Training Project Report & Viva Voce
70	KMB401	Project Management
70	KMB402	Entrepreneurship Development
70	KVE401	Universal Human Values and Professional Ethics
70	KMBHR04	Strategic Human Resource Management
70	KMBHR05	International Human Resource Management
70	KMBMK04	Marketing of Services
70	KMBMK05	Marketing Analytics
70	KMBFM04	Working Capital Management
70	KMBFM05	Financial Derivatives
70	KMBIB04	International Trade Laws
70	KMBIB05	Cross Cultural Management
70	KMBIT04	Database Management System
70	KMBIT05	System Analysis & Design
70	KMBOM04	Sourcing Management
70	KMBOM05	Management of Manufacturing System
70	KMB405	Research Project Report and Viva Voce

  
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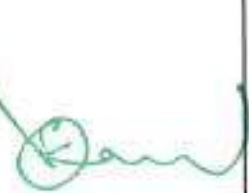
DRONACHARYA GROUP OF INSTITUTIONS , GREATER NOIDA

2018-19

Program code	Program Name	Course code	Course Name	Year of introduction (Syllabus Updated by University)
10	B.Tech.(Computer Science &Engineering) 1st year	RAS103	Engineering Maths	2016-17
10		RAS101	Engineering Physics-I	
10		REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg	
10		RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C	
10		REC101/ RAS102	Basic Electronics/ Engineering Chemistry	
10		RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab	
10		REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab	
10		RAS 154/ RCS151	Professional Communication Lab/ Computer Progm. Lab	
10		RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics	
10		RAS203	Engineering Maths-II	
10		RAS201	Engineering Physics-II	
10		RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg	
10		RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication	

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10	RAS202/ REC201	Engineering Chemistry/ Basic Electronics
10	RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab
10	RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab
10	RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab
10	RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice
10	RAS301	Mathematics-III
10	ROE030	Manufacturing Process
10	ROE031	Introduction to soft computing
10	ROE032	Nano Science
10	ROE033	Laser System and Application
10	ROE034	Space Science
10	ROE035	Polymer Science & Technology
10	ROE036	Nuclear Science
10	ROE037	Material Science
10	ROE038	Discrete Mathematics
10	ROE039	Applied Linear Algebra
10	RVE301/ RAS302	Universal Human Values & Professional Ethics/ Environment & Ecology

  
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10		REC301	Digital Logic Design
10		RCS301	Discrete Structures & Theory of Logic
10		RCS302	Computer Organization and Architecture
10		RCS305	Data Structures
10		REC351	Digital Logic Design Lab
10		RCS351	Discrete Structure & Logic Lab
10		RCS352	Computer Organization Lab
10		RCS355	Data Structures Using C/ Java Lab
10		RME101*	Elements of Mechanical Engineering*
10	B.Tech.(Computer Science & Engineering) 2nd year	RCE151*	Computer Aided Engineering Graphics*
10		RAS401	Mathematics-III
10		ROE040	Manufacturing Process
10		ROE041	Introduction to soft computing
10		ROE042	Nano Science
10		ROE043	Laser System and Application
10		ROE044	Space Science
10		ROE045	Polymer Science & Technology

2017-18



10	ROE046	Nuclear Science
10	ROE047	Material Science
10	ROE048	Discrete Mathematics
10	ROE049	Applied Linear Algebra
10	RAS402/ RVE401	Environment & Ecology/ Universal Human Values & Professional Ethics
10	REC405	Introduction to Microprocessor
10	RCS401	Operating Systems
10	RCS402	Software Engineering
10	RCS403	Theory of Automata and Formal Languages
10	RCS451	Operating Systems Lab
10	RCS452	Software Engineering Lab
10	RCS453	T AFL Lab
10	RCS454	Python Language Programming Lab
10	RME201*	Elements of Mechanical Engineering*
10	RCE251*	Computer Aided Engineering Graphics*
10	RAS501	Managerial Economics
10	RAS502/ RUC501	Sociology/Cyber Security

  
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B.Tech.(Computer  
Science &Engineering)  
3rd year

RIC501	Industrial Measuring Instruments
REC501	Integrated Circuits
REC503	Digital Signal Processing
RIC051	Fluid Mechanics
RIC052	Computer Architecture and Organization
RIC053	Electrical Machines
RIC054	Artificial Neural Network
RIC551	Measuring Instruments Lab
REC551	Integrated Circuits Lab
REC553	Digital Signal Processing Lab
RIC554	Seminar
RAS601	Industrial Management
RAS602/ RUC601	Sociology /Cyber Security
RIC-601	Microcontrollers for Embedded Systems
RIC-602	Digital Measurement Techniques
RIC-603	Control System I
REC061	Industrial Electronics

2018-19

  
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10	RIC-061	Opto-Electronics
10	RIC-062	Communication Engineering
10	REC063	Analog Signal Processing
10	RIC-651	Microcontrollers for Embedded Systems Lab
10	RIC-652	Instrumentation Lab
10	RIC-653	Control System I Lab
10	RIC-654	Communication Lab
10	NOE-071	Entrepreneurship Development
10	NOE-072	Quality Management
10	NOE-073	Operations Research
10	NOE-074	Introduction to Bio Technology
10	NOE-075	Mobile Application Development
10	NOE-076	Ethical Hacking and Prevention
10	NOE-077	Software Project Management
10	NCS-701	Distributed System
10	NCS-702	Artificial Intelligence
10	NCS-071	Software Testing and Audit

  
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B.Tech.(Computer  
Science &Engineering)  
4th year

NCS-072	Neural Network
NCS-073	Computer Vision
NCS-074	High Speed Network
NCS-075	Android Operating System
NCS-076	Service Oriented Architecture
NIT-701	Cryptography & Network Security
NCS-751	Distributed System
NCS-752	Project
NCS-753	Industrial Training
GP-701	General Proficiency
NOE-081	Non Conventional Energy Resources
NOE-082	Non Linear Dynamics Systems
NOE-083	Product Development
NOE-084	Automation and Robotics
NCS-801	Digital Image Processing
NCS-080	Pattern Recognition
NCS-081	High Performance Computing

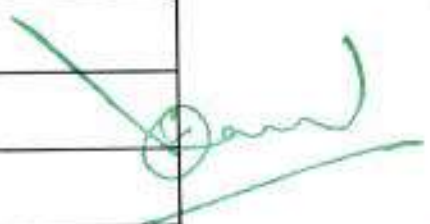
2016-17

  
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10	NCS-082	Real Time System
10	NCS-083	Cluster Computing
10	NCS-084	Grid Computing
10	NCS-085	Data Compression
10	NCS-086	Quantum Computing
10	NCS-087	Embedded Systems
10	NCS-088	Semantic Web and Web Services
10	NCS-851	Seminar
10	NCS-852	Project
10	GP-801	General Proficiency
31	RAS103	Engineering Maths
31	RAS101	Engineering Physics-I
31	REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg
31	RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C
31	REC101/ RAS102	Basic Electronics/ Engineering Chemistry
31	RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab
31	REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab

  
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31	B.Tech.(Electronics &Communication Engineering) 1st year	RAS 154/ RCS151	Professional Communication Lab/ Computer Progm. Lab	2016-17	
31		RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics		
31		RAS203	Engineering Maths-II		
31		RAS201	Engineering Physics-II		
31		RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg		
31		RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication		
31		RAS202/ REC201	Engineering Chemistry/ Basic Electronics		
31		RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab		
31		RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab		
31		RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab		
31		RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice		
31		RAS301	Mathematics-III		
31		ROE030	Manufacturing Process		
31		ROE031	Introduction to soft computing		
31	ROE032	Nano Science			
31	ROE033	Laser System and Application			
31	ROE034	Space Science			

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31	ROE035	Polymer Science & Technology
31	ROE036	Nuclear Science
31	ROE037	Material Science
31	ROE038	Discrete Mathematics
31	ROE039	Applied Linear Algebra
31	RVE301/ RAS302	Universal Human Values & Professional Ethics/ Environment & Ecology
31	REE305	Network Analysis and Synthesis
31	REC301	Digital Logic Design
31	REC302	Electronic Devices and Circuits
31	REC303	Signals & Systems
31	REC351	Digital Logic Design Lab
31	REC352	Electronic Devices and Circuits Lab
31	REC353	Signals & Systems Lab
31	REC354	Electronics Workshop & PCB Design Lab
31	RME101*	Elements of Mechanical Engineering*
31	RCE151*	Computer Aided Engineering Graphics*
31	RAS401	Mathematics-III

B.Tech.(Electronics & Communication Engineering) 2nd year

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ROE040	Manufacturing Process
ROE041	Introduction to soft computing
ROE042	Nano Science
ROE043	Laser System and Application
ROE044	Space Science
ROE045	Polymer Science & Technology
ROE046	Nuclear Science
ROE047	Material Science
ROE048	Discrete Mathematics
ROE049	Applied Linear Algebra
RAS402/ RVE401	Environment & Ecology/ Universal Human Values & Professional Ethics
REC401	Microprocessors & Microcontrollers
REC402	Electromagnetic Field Theory
REC403	Electronic Measurement & Instrumentation
RCS406	Data Structure & Algorithms
REC451	Microprocessors & Microcontrollers Lab
REC452	Advanced Electronics System Lab



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31	REC453	Electronic Measurement & Instrumentation Lab
31	RCS456	Data Structure & Algorithms Lab
31	RME201*	Elements of Mechanical Engineering*
31	RCE251*	Computer Aided Engineering Graphics*
31	RAS501	Managerial Economics
31	RAS502/RUC501	Sociology/Cyber Security
31	REC501A	Integrated Circuits
31	REC502	Principles of Communication
31	REC503	Digital Signal Processing
31	REC051	Antenna & wave propagation
31	REC052	Computer Architecture and Organization
31	REC053	Real Time Systems
31	REC054	Artificial Neural Networks
31	REC055	Advance Semiconductor devices
31	REC551	Integrated Circuits Lab
31	REC552	Communication Lab - I
31	REC553	Digital Signal Processing Lab



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31	B.Tech.(Electronics & Communication Engineering) 3rd Year	REC554	CAD of Electronics Lab-I	2018-19
31		RAS601	Industrial Management	
31		RAS602/ RUC601	Sociology /Cyber Security	
31		RIC603	Control System I	
31		REC601	Microwave Engineering	
31		REC602	Digital Communication	
31		REC061	Industrial Electronics	
31		REC062	Microcontroller for Embedded Systems	
31		REC063	Analog Signal Processing	
31		REC064	Advance Digital Design Using Verilog	
31		REC065	RADAR Engineering	
31		REC-651	Microwave Engg Lab	
31		REC-652	Communication Lab- II	
31		RIC-653	Control System Lab-I	
31		RIC-651	Microcontrollers For Embedded Systems Lab	
31		NOE-071	Entrepreneurship Development	
31	NOE-072	Quality Management		

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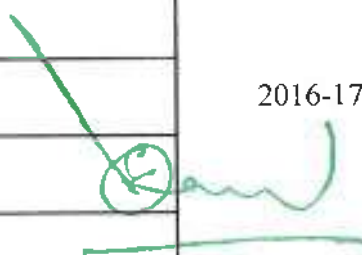


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B.Tech.(Electronics  
&Communication  
Engineering) 4th Year

NOE-073	Operation Research
NOE-074	Introduction to Biotechnology
NOE-075	Micro and smart systems
NEC 031	Information Theory & Coding
NEC 032	Digital Image Processing
NEC 033	Voice Over IP
NEC 034	Filter Design
NEC 035	Applied Fuzzy Electronic Systems
NEC 701	Optical Communication
NEC 702B	Data Communication Networks
NEC 703	VLSI Design
AUC 001	*Human Values &Professional Ethics
NEC 751	Optical Communication & Networking Lab
NEC 752A	Electronics Circuit Design
NEC 753	Industrial Training Viva-Voce
NEC 754	Project
NGP 701	General Proficiency

2016-17

  
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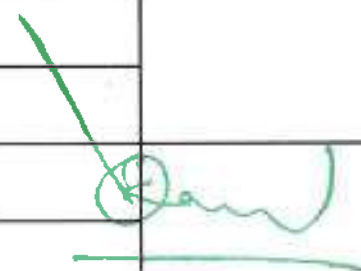
31	NOE-081	Non Conventional Energy Resources
31	NOE-082	Nonlinear Dynamic system
31	NOE-083	Product Development
31	NOE-084	Automation and Robotics
31	NEC 041	Electronic Switching
31	NEC 042	Digital System Design using VHDL
31	NEC 043	Speech Processing
31	NEC 044	Advanced Display Technologies & Systems
31	NEC 045	Satellite & RADAR systems
31	NEC 801	Wireless & Mobile Communication
31	NEC 802	Optical Network
31	AUC 001	*Human Values & Professional Ethics
31	NEC 851	Project
31	NGP 801	General Proficiency
21	RAS103	Engineering Maths
21	RAS101	Engineering Physics-I
21	REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg



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21		RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C	
21		REC101/ RAS102	Basic Electronics/ Engineering Chemistry	
21		RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab	
21		REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab	
21		RAS 154/ RCS151	Professional Communication Lab/ Computer Progm. Lab	
21	B.Tech.(Electrical & Electronics Engineering) 1st Year	RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics	
21		RAS203	Engineering Maths-II	
21		RAS201	Engineering Physics-II	
21		RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg	
21		RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication	
21		RAS202/ REC201	Engineering Chemistry/ Basic Electronics	
21		RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab	
21		RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab	
21		RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab	
21		RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice	
21			RAS301	Mathematics-III
21			ROE030	Manufacturing Process

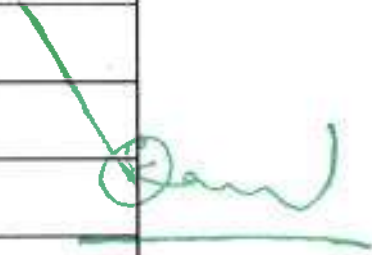
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ROE031	Introduction to soft computing
ROE032	Nano Science
ROE033	Laser System and Application
ROE034	Space Science
ROE035	Polymer Science & Technology
ROE036	Nuclear Science
ROE037	Material Science
ROE038	Discrete Mathematics
ROE039	Applied Linear Algebra
RVE301/ RAS302	Universal Human Values & Professional Ethics/ Environment & Ecology
REC309	Analog & Digital Electronics
REE301	Electrical & Electronics Engineering Materials
REE302	Electrical Measurements & Instrumentation
REE303	Basic Signals & Systems
REE351	Electrical Workshop
REE352	Electrical Measurements Lab
REE353	Simulation Lab – I



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21		REC359	Electronics Lab
21		RME101*	Elements of Mechanical Engineering*
21	B.Tech.(Electrical &Electronics Engineering) 2nd Year	RCE151*	Computer Aided Engineering Graphics*
21		RAS401	Mathematics-III
21		ROE040	Manufacturing Process
21		ROE041	Introduction to soft computing
21		ROE042	Nano Science
21		ROE043	Laser System and Application
21		ROE044	Space Science
21		ROE045	Polymer Science & Technology
21		ROE046	Nuclear Science
21		ROE047	Material Science
21		ROE048	Discrete Mathematics
21		ROE049	Applied Linear Algebra
21		RAS402/ RVE401	Environment & Ecology/ Universal Human Values & Professional Ethics
21		REC402	Electromagnetic Field Theory
21		REE401	Power Plant Engineering

2017-18

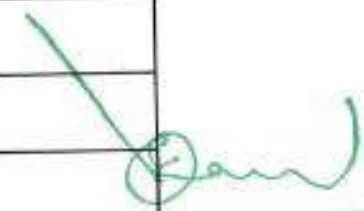
  
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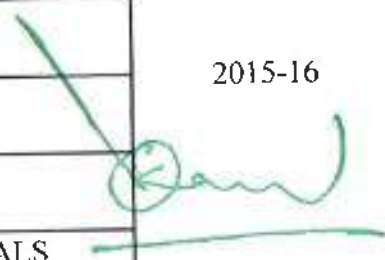


21	REE402	Electrical Machines -I
21	REE405	Network Analysis and Synthesis
21	REE451	Simulation- II Lab
21	REE452	Electrical Machines -I Lab
21	REE453	Networks Lab
21	REE454	Electrical Instrumentation Lab
21	RME201*	Elements of Mechanical Engineering*
21	RCE251*	Computer Aided Engineering Graphics*
21	RAS501	MANAGERIAL ECONOMICS
21	RAS502/ RUC501	SOCIOLOGY/CYBER SECURITY
21	REE501	ELECTRICAL MACHINES -II
21	REE502	POWER TRANSMISSION & DISTRIBUTION
21	REE503	CONTROL SYSTEM
21	REE051	POWER SYSTEM OPTIMIZATION
21	REE052	Principles of Communication
21	REE053	Fundamentals of Digital Signal Processing
21	REE054	INTERNET OF THINGS

  
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21	B.Tech.(Electrical &Electronics Engineering) 3rd Year	REE551	ELECTRICAL MACHINES –II LAB	2018-19
21		REE553	CONTROL SYSTEM LAB	
21		REE554	SOFTWARE BASED POWER SYSTEM LAB	
21		REE555	SEMINAR – I	
21		RAS601	INDUSTRIAL MANAGEMENT	
21		RAS602/ RUC601	SOCIOLOGY/ CYBER SECURITY	
21		REE601	POWER ELECTRONICS	
21		REE602	MICROPROCESSOR	
21		REE603	POWER SYSTEM ANALYSIS	
21		REE061	Intelligent Sensors & Instrumentation	
21		REE062	Bio-medical Instrumentation	
21		REE063	High Voltage Engineering	
21		REE064	Special Electrical Machines	
21		REE661	POWER ELECTRONICS LAB	
21		REE662	MICROPROCESSOR LAB	
21		REE664	ELECTRICAL DESIGN & FABRICATION LAB	
21	REE665	Seminar - II		

  
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21	B.Tech.(Electrical & Electronics Engineering) 4th year	NEN701	ELECTRIC DRIVES	2015-16  Director
21		NEN702	POWER STATION PRACTICE	
21		NEC702A	ANALOG & DIGITAL COMMUNICATION	
21		NEN-031	POWER SYSTEM OPERATION AND CONTROL	
21		NEN-032	ADVANCED MICROPROCESSORS AND ICROCONTROLLERS	
21		NEN-033	FLEXIBLE AC TRANSMISSION SYSTEMS	
21		NCS-039	OBJECT ORIENTED SYSTEMS AND C++	
21		NOE-071	Entrepreneurship Development	
21		NOE-072	Quality Management	
21		NOE-073	Operations Research	
21		NOE-074	Introduction to Bio Technology	
21		NEN751	POWER SYSTEM LAB	
21		NEC752B	ADC LAB	
21		NEN753	INDUSTRIAL TRAINING	
21		NEN754	PROJECT	
21		NGP701	GP	
21	NEE801	ELECTRICAL & ELECTRONICS ENGINEERING MATERIALS		

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NEC802	EMBEDDED SYSTEM
NEE041	EHVAC&DC TRANSMISSION
NEE042	POWER QUALITY
NEN043	IMAGE PROCESSING
NEN044	SATELLITE COMMUNICATION
NOE081	NON-CONVENTIONAL ENERGY ESOURCES
NOE082	NON LINEAR DYNAMIC SYSTEMS
NOE084	AUTOMATION & ROBOTICS
NOE085	DATABASE MANAGEMENT SYSTEM AND DATA MINING AND WAREHOUSING
NEN851	PROJECT
NGP801	GP
RAS103	Engineering Maths
RAS101	Engineering Physicss-I
REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg
RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C
REC101/ RAS102	Basic Electronics/ Engineering Chemistry
RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab

  
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B.Tech.(Information Technology)1st Year

REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab
RAS 154/ RCS151	Professional Communication Lab/ Computer Progm. Lab
RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics
RAS203	Engineering Maths-II
RAS201	Engineering Physics-II
RME201/ RFE201	Elements of Mechanical Engg/ Basic Electrical Engg
RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication
RAS202/ REC201	Engineering Chemistry/ Basic Electronics
RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab
RME251/ RFE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab
RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab
RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice
RAS301	Mathematics-III
ROE030	Manufacturing Process
ROE031	Introduction to soft computing
ROE032	Nano Science
ROE033	Laser System and Application

2016-17

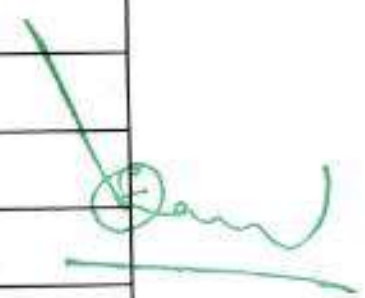
  
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B.Tech.(Information

ROE034	Space Science
ROE035	Polymer Science & Technology
ROE036	Nuclear Science
ROE037	Material Science
ROE038	Discrete Mathematics
ROE039	Applied Linear Algebra
RVE301/ RAS302	Universal Human Values & Professional Ethics/ Environment & Ecology
REC301	Digital Logic Design
RCS301	Discrete Structures & Theory of Logic
RCS302	Computer Organization and Architecture
RCS305	Data Structures
REC351	Digital Logic Design Lab
RCS351	Discrete Structure & Logic Lab
RCS352	Computer Organization Lab
RCS355	Data Structures Using C/ Java Lab
RME101*	Elements of Mechanical Engineering*
RCE151*	Computer Aided Engineering Graphics*



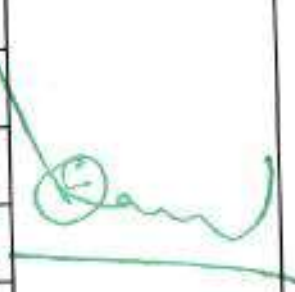
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Technology) 2nd Year

RAS401	Mathematics-III
ROE040	Manufacturing Process
ROE041	Introduction to soft computing
ROE042	Nano Science
ROE043	Laser System and Application
ROE044	Space Science
ROE045	Polymer Science & Technology
ROE046	Nuclear Science
ROE047	Material Science
ROE048	Discrete Mathematics
ROE049	Applied Linear Algebra
RAS402/ RVE401	Environment & Ecology/ Universal Human Values & Professional Ethics
REC406	Information Theory and Coding
RCS401	Operating Systems
RCS402	Software Engineering
RCS403	Theory of Automata and Formal Languages
RCS451	Operating Systems Lab



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13	RCS452	Software Engineering Lab
13	RCS453	TAFIL Lab
13	RCS454	Python Language Programming Lab
13	RME201*	Elements of Mechanical Engineering*
13	RCE251*	Computer Aided Engineering Graphics*
13	RAS501	MANEGERIAL ECONOMICS
13	RAS502/ RUC501	INDUSTRIAL SOCIOLOGY /CYBER SECURITY
13	RCS-501	Database Management Systems
13	RCS-502	Design and Analysis of Algorithm
13	RCS-503	Principles of Programming Languages
13	RIT-E11	SOFTWARE PROJECT MANAGEMENT
13	RIT-E12	SOFTWARE TESTING & AUDIT
13	RIT-E13	OBJECT ORIENTED TECHNIQUES
13	RCS-E11	OPERATION RESEARCH
13	RCS-551	Database Management Systems Lab
13	RCS-552	Design and Analysis of Algorithm Lab
13	RCS-553	Principles of Programming Languages Lab

  
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13	B.Tech.(Information Technology) 3rd Year	RIT-554	Object Oriented Techniques Lab	2018-19
13		RAS601	INDUSTRIAL MANAGEMENT	
13		RAS602 / RUC601	CYBER SECURITY/ INDUSTRIAL SOCIOLOGY	
13		RCS-601	Computer Networks	
13		RCS-602	Compiler Design	
13		RCS-603	Web Technology	
13		RIT-E21	DESIGN AND DEVELOPMENT OF APPLICATIONS	
13		RIT-E22	DATA WAREHOUSING & DATA MINING	
13		RCS-E21	INTERNET OF THINGS	
13		RCS-E22	NEURAL NETWORK	
13		RCS-651	Computer Networks Lab	
13		RCS-652	Compiler Design Lab	
13		RCS-653	Web Technology Lab	
13		RCS-654	Data Warehousing & Data Mining Lab	
13		NOE-071	Entrepreneurship Development	
13		NOE-072	Quality Management	
13	NOE-073	Operations Research		

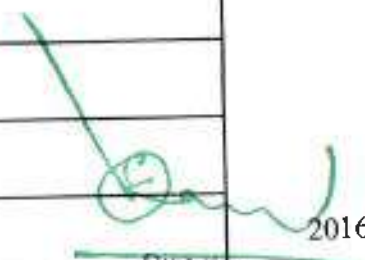


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B.Tech.(Information Technology) 4th Year

NOE-074	Introduction to Bio Technology
NOE-075	Mobile Application Development
NOE-076	Ethical Hacking and Prevention
NOE-077	Software Project Management
NIT-701	Cryptography & Network Security
NCS-702	Artificial Intelligence
NCS-071	Software Testing and Audit
NCS-072	Neural Network
NIT-071	IT in Forensic Science
NCS-074	High Speed Network
NCS-075	Android Operating System
NCS-076	Service Oriented Architecture
NCS-701	Distributed System
NCS-073	Computer Vision
NIT-751	Cryptography & Network Security*
NCS-752	Project
NCS-753	Industrial Training



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GP-701	General Proficiency
NOE-081	Non Conventional Energy Resources
NOE-082	Non Linear Dynamics Systems
NOE-083	Product Development
NOE-084	Automation and Robotics
NIT-801	Mobile Computing
NCS-080	Pattern Recognition
NCS-082	Real Time System
NCS-084	Grid Computing
NCS-801	Digital Image Processing
NIT-080	Natural Language Processing
NCS-085	Data Compression
NCS-087	Embedded Systems
NCS-088	Semantic Web and Web Services
NIT-081	Software Quality Engineering
NIT-082	Software Reliability
NIT-851	Seminar

  
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13	NCS-852	Project	
13	GP-801	General Proficiency	
40	RAS103	Engineering Maths	2016-17
40	RAS101	Engineering Physics-I	
40	REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg	
40	RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C	
40	REC101/ RAS102	Basic Electronics/ Engineering Chemistry	
40	RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab	
40	REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab	
40	RAS 154/ RCS151	Professional Communication Lab/ Computer Prog. Lab	
40	RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics	
40	RAS203	Engineering Maths-II	
40	RAS201	Engineering Physics-II	
40	RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg	
40	RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication	
40	RAS202/ REC201	Engineering Chemistry/ Basic Electronics	
40	RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab	

B.Tech.(Mechanical Engineering) 1st Year

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RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab
RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab
RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice
RAS301	Mathematics-III
ROE030	Manufacturing Process
ROE031	Introduction to soft computing
ROE032	Nano Science
ROE033	Laser System and Application
ROE034	Space Science
ROE035	Polymer Science & Technology
ROE036	Nuclear Science
ROE037	Material Science
ROE038	Discrete Mathematics
ROE039	Applied Linear Algebra
RVE301/ RAS302	Universal Human Values & Professional Ethics/ Environment & Ecology
RCE303	Fluid Mechanics
RME301	Material Science



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B.Tech.(Mechanical Engineering) 2nd Year

RME302	Thermodynamics
RME303	Mechanics of Solids
RCE353	Fluid Mechanics Lab
RME351	Material Science & Testing Lab
RME352	Thermodynamics Lab
RME353	Computer Aided Machine Drawing-I Lab
RME101*	Elements of Mechanical Engineering*
RCE151*	Computer Aided Engineering Graphics*
RAS401	Mathematics-III
ROE040	Manufacturing Process
ROE041	Introduction to soft computing
ROE042	Nano Science
ROE043	Laser System and Application
ROE044	Space Science
ROE045	Polymer Science & Technology
ROE046	Nuclear Science
ROE047	Material Science

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ROE048	Discrete Mathematics
ROE049	Applied Linear Algebra
RAS402/ RVE401	Environment & Ecology/ Universal Human Values & Professional Ethics
REE409	Electrical Machines & Controls
RME401	Measurement and Metrology
RME402	Manufacturing Science & Technology-I
RME403	Applied Thermodynamics
REE459	Electrical Machines and Controls Lab
RME451	Measurement and Metrology Lab
RME452	Manufacturing Science & Technology-I Lab
RME453	Computer Aided Machine Drawing-II Lab
RME201*	Elements of Mechanical Engineering*
RCE251*	Computer Aided Engineering Graphics*
RAS501	Managerial Economics
RAS502/ RUC501	Sociology /Cyber Security
RME501	Machine Design-I
RME502	Heat & Mass Transfer



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B.Tech.(Mechanical Engineering) 3rd Year

RME503	Manufacturing Science& Technology-II
RME051	IC Engines and Compressors
RME052	Mechatronics and Microprocessor
RME053	Finite Element Methods
RME054	Engineering Optimization
RME551	Design and Simulation Lab I
RME552	Heat & Mass Transfer Lab
RME553	Manufacturing Technology-II Lab
RME559	Seminar – I
RAS601	Industrial Management
RUC601/ RAS602	Cyber Security/ Sociology
RME601	Fluid Machinery
RME602	Theory of Machines
RME603	Machine Design-II
RME061	Refrigeration & Air-conditioning
RME062	Production Planning and Control
RME063	Mechanical Vibration

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RME064	Reliability Engineering
RME651	Fluid Machinery Lab
RME652	Theory of Machines Lab
RME653	Design and Simulation Lab II
RME654	Refrigeration & Air- conditioning
NOE-071	Entrepreneurship Development
NOE-072	Quality Management
NOE-073	Operations Research
NOE-074	Introduction to Bio Technology
NME-701	CAD
NME-702	Automobile Engineering
NME-031	Computer Aided Manufacturing
NME-032	Project Management
NME-033	Computational Fluid Dynamics
NME-034	Composite materials
NME-041	Total Quality Management
NME-042	Thermal Turbo Machines

  
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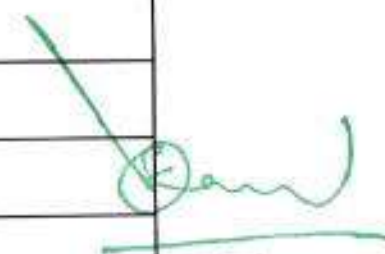


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B.Tech.(Mechanical Engineering)4th Year

NME-043	Mechanical System Design
NME-044	Automation and Robotics
NME-751	CAD/CAM Lab
NME-752	I. C. Engine and Automobile Lab.
NME-753	INDUSTRIAL TRG.
NME-754	PROJECT
GP-701	GP
NOE-081	Non Conventional Energy Resources
NOE-082	Non Linear Dynamics Systems
NOE-083	Product Development
NOE-084	Automation and Robotics
NPI-801	Quality Control
NME-051	Operations Research
NME-052	Design of Thermal Systems
NME-053	Advance Synthesis of machines
NME-054	Industrial Automation
NME-055	Advance Welding Technology

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40	NME-061	Experimental Stress Analysis
40	NME-062	Plant Layout and Material Handling
40	NME-063	Additive Manufacturing
40	NME-064	Computer Aided Process Planning
40	NME-065	Non Destructive Testing
40	NME-851	SEMINAR
40	NME-852	PROJECT
40	GP-801	GP
00	RAS103	Engineering Maths
00	RAS101	Engineering Physics-I
00	REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg
00	RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C
00	REC101/ RAS102	Basic Electronics/ Engineering Chemistry
00	RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab
00	REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab
00	RAS 154/ RCS151	Professional Communication Lab/ Computer Prog. Lab
00	RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics

B.Tech.(Civil

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00	Engineering) 1st Year	RAS203	Engineering Maths-II
00		RAS201	Engineering Physics-II
00		RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg
00		RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication
00		RAS202/ REC201	Engineering Chemistry/ Basic Electronics
00		RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab
00		RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab
00		RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab
00		RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice
00		RAS301	Mathematics-III
00	ROE030	Manufacturing Process	
00	ROE031	Introduction to soft computing	
00	ROE032	Nano Science	
00	ROE033	Laser System and Application	
00	ROE034	Space Science	
00	ROE035	Polymer Science & Technology	
00	ROE036	Nuclear Science	

  
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B.Tech.(Civil  
Engineering) 2nd Year


ROE037	Material Science
ROE038	Discrete Mathematics
ROE039	Applied Linear Algebra
RVE301/ RAS302	Universal Human Values & Professional Ethics/ Environment & Ecology
RME303	Mechanics of Solids
RCE301	Building Materials & Construction
RCE302	Surveying
RCE303	Fluid Mechanics
RCE351	Building Materials Lab
RCE352	Surveying Lab
RCE353	Fluid Mechanics Lab
RCE354	Computer Based Statistical & Numerical Techniques Lab
RME101 *	Elements of Mechanical Engineering*
RCE151*	Computer Aided Engineering Graphics*
RAS401	Mathematics-III
ROE040	Manufacturing Process
ROE041	Introduction to soft computing

2017-18

  
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ROE042	Nano Science
ROE043	Laser System and Application
ROE044	Space Science
ROE045	Polymer Science & Technology
ROE046	Nuclear Science
ROE047	Material Science
ROE048	Discrete Mathematics
ROE049	Applied Linear Algebra
RAS402/ RVE401	Environment & Ecology/ Universal Human Values & Professional Ethics
RCS405	Data Structures
RCE401	Hydraulics & Hydraulic Machines
RCE402	Geoinformatics
RCE403	Structural Analysis
RCE452	Geoinformatics Lab
RCE453	Structural Analysis Lab
RCE454	Building Planning & Drawing Lab
RCE455	Hydraulics & Machine Lab

  
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00		RME201*	Elements of Mechanical Engineering*
00		RCE251*	Computer Aided Engineering Graphics*
00	B.Tech.(Civil Engineering)3rd Year	RAS501	MANEGIRIAL ECONOMICS
00		RAS- 502/ RUC501	SOCIOLOGY /CYBER SECURITY
00		RCE501	GEOTECHNICAL ENGINEERING
00		RCE502	DESIGN OF STRUCTURE-I
00		RCE503	QUANTITY ESTIMATION AND MANAGEMENT
00		RCE051	MODERN CONSTRUCTION MATERIALS
00		RCE052	CONCRETE TECHNOLOGY
00		RCE053	GEOENVIRONMENTAL
00		RCE551	GEOTECHNICAL ENGINEERING LAB
00		RCE552	CAD LAB-1
00		RCE553	CONSTRUCTION MANAGEMENT LAB
00		RCE554	CONCRETE LAB
00		RAS601	INDUSTRIAL MANAGEMENT
00		RUC601/ RAS602	CYBER SECURITY/SOCIOLOGY
00		RCE601	DESIGN OF STRUCTURE-II

2018-19

  
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00	RCE602	ENVIRONMENTAL ENGINEERING
00	RCE603	TRANSPORTATION ENGINEERING
00	RCE061	FOUNDATION DESIGN
00	RCE062	INTEGRATED WASTE MANAGEMENT FOR A SMART CITY
00	RCE063	GEOSYNTHESIS AND REINFORCED SOIL STRUCTURES
00	RCE651	CAD LAB-2
00	RCE652	ENVIRONMENTAL ENGINEERING LAB
00	RCE653	TRANSPORTATION ENGINEERING LAB
00	RCE 654	STRUCTURAL DETAILING LAB
00	NOE-071	Entrepreneurship Development
00	NOE-072	Quality Management
00	NOE-073	Operations Research
00	NOE-074	Introduction to Bio Technology
00	NCE 031	Bridge Engineering
00	NCE 032	Finite Element Methods
00	NCE 033	Environmental Geo-technology
00	NCE 034	Industrial Pollution Control & Env. Audit

  
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B.Tech.(Civil Engineering)4th Year

NCE 035	Engineering Hydrology
NCE 041	Precast and Modular Construction Practices
NCE 042	Plastic Analysis of Structures
NCE 043	Open Channel Flow
NCE 044	Tunnel Engineering
NCE701	Design of Steel Structures
NCE702	Water Resources Engg
NCE751	Seminar
NCE752	Industrial Training**
NCE753	Project#
NGP 701	General Proficiency
NOE-081	Non Conventional Energy Resources
NOE-082	Non Linear Dynamics Systems
NOE-083	Product Development
NOE-084	Automation and Robotics
NCE 051	Computer Aided Design
NCE 052	Analysis and Design of Hydraulic Structures

2015-16

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00	NCE 053	Water Resources Systems
00	NCE 054	Machine Foundation Design
00	NCE061	Ground Improvement Techniques
00	NCE 062	River Engineering
00	NCE 063	Groundwater Management
00	NCE 064	Earthquake Resistant Design of Structures
00	NCE801	Transportation Engineering -II
00	NCE851	Project
00	NGP 801	General Proficiency
11	KAS101/ KAS102	Physics/Chemistry
11	KAS103	Mathematics-I
11	KEE101/ KCS101	Basic Electrical Engineering/Programming for Problem Solving
11	KCE101/ KWS101	Engineering Graphics & Design/Workshop Practices
11	KAS201/ KAS202	Physics/Chemistry
11	KAS203	Mathematics II
11	KEE201/ KCS201	Basic Electrical Engineering/Programming for Problem Solving
11	KCE201/ KWS201	Engineering Graphics & Design/Workshop Practices

B.Tech.(Computer Science & Information Technology) 1st Year

2018-19

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11	KAS204	Professional English
11	NAS-301/NOE-031 TO NOE-039	MATHEMATICS III/SCIENCE BASED OPEN ELECTIVE
11	NOE031	Introduction to soft computing
11	NOE032	NANO ScienceS
11	NOE033	Laser System and Application
11	NOE034	SPACe ScienceS
11	NOE035	Polymer Science & Technology
11	NOE036	Nuclear Science
11	NOE037	MATERIAL SCIENCE
11	NOE038	Discrete Mathematics
11	NOE039	Applied Linear Algebra
11	NEC 309	DIGITAL LOGIC DESIGN
11	NCS 301	DATA STRUCTURE USING C
11	NCS 302	DISCRETE STRUCTURE AND GRAPH THEORY
11	NHU301/NHU302	INDUSTRIAL PSYCHOLOGY/INDUSTRIAL SOCIOLOGY
11	NCS 303	COMPUTER BASED Numerical & Statistical Techniques
11	AUC-001/AUC-002	HUMAN VALUES & PROFESSIONAL ETHICS/CYBER SECURITY


  
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B.Tech.(Computer  
Science & Information  
Technology) 2nd Year

NEC 359	DIGITAL LOGIC DESIGN LAB
NCS 351	DATA STRUCTURE USING C LAB
NCS 353	NUMERICAL TECHNIQUES LAB
NCS 355	ADVANCE PROGRAMMING LAB
NGP 301	GP
NOE-041 TO NOE-049/ NAS-401	SCIENCE BASED OPEN ELECTIVE/MATHEMATICS III
NOE-041	Introduction to soft computing
NOE-042	NANO SCIENCES
NOE-043	Laser System and Application
NOE-044	SPACE SCIENCES
NOE-045	Polymer Science & Technology
NOE-046	Nuclear Science
NOE-047	MATERIAL SCIENCE
NOE-048	Discrete Mathematics
NOE-049	Applied Linear Algebra
NHU401/NHU402	INDUSTRIAL PSYCHOLOGY/INDUSTRIAL SOCIOLOGY
NEC-409	Introduction to Microprocessor

2015-16

  
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11	NCS-401	OPERATING SYSTEM
11	NCS-402	Theory of Automata and Formal Languages
11	NCS-403	COMPUTER GRAPHICS
11	AUC-002/AUC-001	CYBER SECURITY / HUMAN VALUES & PROFESSIONAL ETHICS
11	NEC-459	MICROPROCESSOR LAB
11	NCS 451	OPERATING SYSTEM LAB
11	NCS 453	COMPUTER GRAPHICS lab
11	NCS 455	FUNCTIONAL AND LOGIC PROGRAMMING LAB
11	NGP-401	GP
11	NCS 501	DESIGN AND ANALYSIS OF ALGORITHM
11	NCS 502	DATABASE MANAGEMENT SYSTEM
11	NCS 503	PRINCIPLE OF PROGRAMMING LANGUAGE
11	NCS 504	WEB TECHNOLOGY
11	NCS 505	COMPUTER ARCHITECTURE
11	NHU501	ENGINEERING ECONOMICS
11	NCS 551	DESIGN AND ANALYSIS OF ALGORITHM LAB
11	NCS 552	DATABASE MANAGEMENT SYSTEM LAB

  
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B.Tech.(Computer  
Science & Information  
Technology)3RD Year


NCS 553	PRINCIPLE OF PROGRAMMING LANGUAGE LAB
NCS 554	WEB TECHNOLOGY LAB
NGP 501	GP
NCS 601	COMPUTER NETWORKS
NCS 602	SOFTWARE ENGINEERING
NCS 603	COMPILER DESIGN
NCS 061	COMPUTATIONAL GEOMETRY
NCS 062	COMPLEXITY THEORY
NCS 063	PARALLEL ALGORITHM
NCS 064	APPROXIMATION & RANDOMIZED ALGORITHM
NCS 065	CONCURRENT SYSTEM
NCS 066	DATA WAREhousing & Data Mining
NCS 067	DISTRibuted DATABASE
NCS 068	E-COMMERCE
NCS 069	ADVANCE DBMS
NCS 070	HUMAN COMPUTER INTERFACE
NHU 601	INDUSTRIAL MANAGEMENT

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11	NCS 651	COMPUTER NETWORKS LAB
11	NCS 652	SOFTWARE ENGINEERING LAB
11	NCS 653	COMPILER DESIGN LAB
11	NCS 654	SEMINAR
11	NGP 601	GP
11	NOE-071	Entrepreneurship Development
11	NOE-072	Quality Management
11	NOE-073	Operations Research
11	NOE-074	Introduction to Bio Technology
11	NOE-075	Mobile Application Development
11	NOE-076	Ethical Hacking and Prevention
11	NOE-077	Software Project Management
11	NCS-701	Distributed System
11	NCS-702	Artificial Intelligence
11	NCS-071	Software Testing and Audit
11	NCS-072	Neural Network
11	NCS-073	Computer Vision


  
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B.Tech.(Computer Science & Information Technology) 4th year

NCS-074	High Speed Network
NCS-075	Android Operating System
NCS-076	Service Oriented Architecture
NIT-701	Cryptographic & Network Security
NCS-751	Distributed System
NCS-752	Project
NCS-753	Industrial Training
GP-701	General Proficiency
NOE-081	Non Conventional Energy Resources
NOE-082	Non Linear Dynamics Systems
NOE-083	Product Development
NOE-084	Automation & Robotics
NCS-801	Digital Image Processing
NCS-080	Pattern Recognition
NCS-081	High Performance Computing
NCS-082	Real Time Systems
NCS-083	Cluster Computing

2016-17

  
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11	NCS-084	Grid Computing
11	NCS-085	Data Compression
11	NCS-086	Quality Management
11	NCS-087	Embedded System
11	NCS-088	Semantic Web and Web Services
11	NCS-851	Seminar
11	NCS-852	Project
11	GP-801	General Proficiency
70	KMB101	MANAGEMENT CONCEPT & INDIAN ETHOS
70	KMB102	MANAGERIAL ECONOMICS
70	KMB103	FINANCIAL ACCOUNTING FOR MANAGERS
70	KMB104	BUSINESS STATISTICS AND ANALYSIS
70	KMB105	ORGANISATIONAL BEHAVIOUR
70	KMB106	MARKETING MANAGEMENT - I
70	KMB107	BUSINESS COMMUNICATION
70	KMB108	COMPUTER APPLICATION IN MANAGEMENT
70	NONCREDIT	DEVELOPING SOFT SKILLS & PERSONALITY

Master of Business

  
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70	INSTITUTE OF BUSINESS Administration 1st Year	KMB201	BUSINESS ENVIRONMENT	2018-19
70		KMB202	HUMAN RESOURCE MANAGEMENT	
70		KMB203	BUSINESS RESEARCH METHODS	
70		KMB204	FINANCIAL MANAGEMENT & CORPORATE FINANCE	
70		KMB205	OPERATIONS MANAGEMENT	
70		KMB206	QUANTITATIVE TECHNIQUES FOR MANAGERS	
70		KMB207	LEGAL ASPECTS OF BUSINESS	
70		KMB208	MARKETING MANAGEMENT – II	
70		KMB209	COMPREHENSIVE VIVA	
70		NON CREDIT	DEVELOPING SOFT SKILLS & PERSONALITY	
70		RMB301	Strategic Management	
70	RMB302	International Business Management		
70	RMBHR01	Talent Management		
70	RMBHR02	Performance and Reward Management		
70	RMBHR03	Industrial Relations and Labour Laws		
70	RMBMK01	Sales & Distribution Management		
70	RMBMK02	Consumer Behaviour		



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Master of Business  
Administration 2nd  
Year

RMBMK03	Digital Marketing
RMBFM01	Security Analysis & Portfolio Management
RMBFM02	Tax Planning & Management
RMBFM03	Financial Market & Commercial Banking
RMBIB01	International Marketing
RMBIB02	International Logistics
RMBIB03	Export Import Documentation
RMBIT01	Enterprise Resource Planning
RMBIT02	Web Technology & E- Commerce
RMBIT03	Cloud Computing for Business
RMBOP01	Supply Chain Management
RMBOP02	Materials Management
RMBOP03	Production Planning & Control
RVE301	Universal Human Values and Professional Ethics
RMB351	Summer Training Project Report & Viva Voce
RMB401	Corporate Governance : Values and Ethics
RMB402	Entrepreneurship Development

2017-18

  
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70	RMBHR04	Training & Development
70	RMBHR05	Negotiation & Conflict Management
70	RMBMK04	Marketing of Services
70	RMBMK05	Integrated Marketing Communication
70	RMBFM04	Working Capital Management
70	RMBFM05	Financial Derivatives
70	RMBIB04	Trading Blocks & Foreign Trade Frame Work
70	RMBIB05	Cross Cultural Management
70	RMBIT04	Database Management System
70	RMBIT05	System Analysis & Design
70	RMBOP04	World Class Manufacturing & Maintenance Management
70	RMBOP05	Contract and Project Management
70	RCA405	Cyber Security
70	RMB 451	Research Project Report and Viva Voce

  
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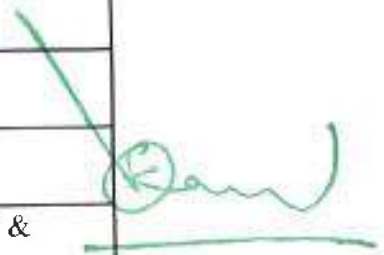
## DRONACHARYA GROUP OF INSTITUTIONS , GREATER NOIDA

### 1.1 List of courses offered across all programs offered in 2017-18

2017-18				
Program	Program Name	Course code	Course Name	Year of introduction (Syllabus Updated by)
10	B.Tech.(Computer Science &Engineering) 1st year	RAS103	Engineering Maths	2016-17
10		RAS101	Engineering Physics-I	
10		REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg	
10		RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C	
10		REC101/ RAS102	Basic Electronics/ Engineering Chemistry	
10		RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab	
10		REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab	
10		RAS 154/ RCS151	Professional Communication Lab/ Computer Progm. Lab	
10		RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics	
10		RAS203	Engineering Maths-II	
10		RAS201	Engineering Physics-II	
10		RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg	
10		RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication	

  
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10	RAS202/ REC201	Engineering Chemistry/ Basic Electronics
10	RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab
10	RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab
10	RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab
10	RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice
10	RAS301	Mathematics-III
10	ROE030	Manufacturing Process
10	ROE031	Introduction to soft computing
10	ROE032	Nano Science
10	ROE033	Laser System and Application
10	ROE034	Space Science
10	ROE035	Polymer Science & Technology
10	ROE036	Nuclear Science
10	ROE037	Material Science
10	ROE038	Discrete Mathematics
10	ROE039	Applied Linear Algebra
10	RVE301/ RAS302	Universal Human Values & Professional Ethics/ Environment & Ecology

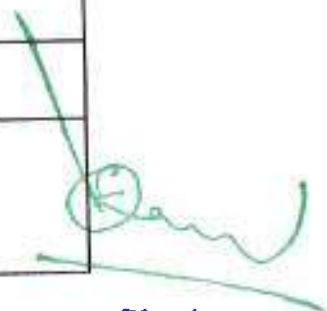
  
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B.Tech.(Computer Science &Engineering) 2nd year

REC301	Digital Logic Design
RCS301	Discrete Structures & Theory of Logic
RCS302	Computer Organization and Architecture
RCS305	Data Structures
REC351	Digital Logic Design Lab
RCS351	Discrete Structure & Logic Lab
RCS352	Computer Organization Lab
RCS355	Data Structures Using C/ Java Lab
RME101*	Elements of Mechanical Engineering*
RCE151*	Computer Aided Engineering Graphics*
RAS401	Mathematics-III
ROE040	Manufacturing Process
ROE041	Introduction to soft computing
ROE042	Nano Science
ROE043	Laser System and Application
ROE044	Space Science
ROE045	Polymer Science & Technology

2017-18




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# DRONACHARYA GROUP OF INSTITUTIONS , GREATER NOIDA

## 1.1 List of courses offered across all programs offered in 2016-17

2016-17

Program code	Program Name	Course code	Course Name	Year of introduction (Syllabus)
10	B.Tech.(Computer Science &Engineering) 1st Year	RAS103	Engineering Maths	2016-17 
10		RAS101	Engineering Physics-I	
10		REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg	
10		RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C	
10		REC101/ RAS102	Basic Electronics/ Engineering Chemistry	
10		RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab	
10		REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab	
10		RAS 154/ RCS151	Professional Communication Lab/ Computer Prog. Lab	
10		RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics	
10		RAS203	Engineering Maths-II	
10		RAS201	Engineering Physics-II	
10		RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg	
10		RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication	
10		RAS202/ REC201	Engineering Chemistry/ Basic Electronics	

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10	RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab	
10	RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab	
10	RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab	
10	RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice	
10	NAS-301	Mathematics III	
10	NOE031	Introduction to Soft Computing (Neural Network, Fuzzy Logic and Genetic Algorithm)	
10	NOE032	Nano Sciences	
10	NOE033	Laser Systems and Applications	
10	NOE034	Space Sciences	
10	NOE035	Polymer Science & Technology	
10	NOE036	Nuclear Science	
10	NOE037	Material Science	
10	NOE038	Discrete Mathematics	
10	NOE039	Applied Linear Algebra	
10	NEC-309	Digital Logic Design	
10	NCS-301	Data Structures Using C	
10	NCS-302	Discrete Structures And Graph Theory	
10	NHU-301/ NHU-302	Industrial Psychology/ Industrial Sociology	
10	NCS-303	Computer Based Numerical And Statistical Techniques	



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**B.Tech.(Computer  
Science &Engineering)  
2nd Year**

AUC-001/ AUC-002	Human Values & Professional Ethics/ Cyber Security
NEC 359	Digital Logic Design Lab
NCS 351	Data Structures Using C Lab
NCS 353	Numerical Techniques Lab
NCS 355	Advance Programming Lab
NGP 301	GP
NAS-401	Mathematics III
NOE-041	Introduction to Soft Computing (Neural Network, Fuzzy Logic and Genetic Algorithm)
NOE-042	Nano Sciences
NOE-043	Laser Systems and Applications
NoE-044	Space Sciences
NOE-045	Polymer Science & Technology
NOE-046	Nuclear Science
NOE-047	Material Science
NOE-048	Discrete Mathematics
NOE-049	Applied Linear Algebra
NHU-401/ NHU-402	Industrial Sociology/ Industrial Psychology
NEC-409	Introduction to Microprocessor
NCS- 401	Operating System

2014-15

  
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10	NCS- 402	Theory Of Automata and Formal Launguage
10	NCS-403	Computer Graphics
10	AUC-002/ AUC-001	Cyber Security / Human Values & Professional Ethics
10	NEC-459	Microprocessor Lab
10	NCS 451	Operating System Lab
10	NCS 453	Computer Graphics Lab
10	NCS 455	Functional and Logic Programming Lab
10	NGP-401	GP
10	NCS 501	Design and Analysis of Algorithm
10	NCS 502	Database Management System
10	NCS 503	Principle of Programming Language
10	NCS 504	Web Technology
10	NCS 505	Computer Architecture
10	NHU501	Engineering Economics
10	NCS 551	Design and Analysis of Algorithm Lab
10	NCS 552	DBMS Lab
10	NCS 553	Principle of Programming Language Lab
10	NCS 554	Web Technology Lab
10	NGP 501	GP

  
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10	B.Tech.(Computer Science &Engineering) 3rd Year	NCS 601	Computer Networks	2015-16
10		NCS 602	Software Engineering	
10		NCS 603	Compiler Design	
10		NCS 061	Computational Geometry	
10		NCS 062	Complexity Theory	
10		NCS 063	Parallel Algorithm	
10		NCS 064	Approximation & Randomized Algorithm	
10		NCS 065	Concurrent System	
10		NCS 066	Data Warehousing & Data Mining	
10		NCS 067	Distributed Database	
10		NCS 068	E-Commerce	
10		NCS 069	Advance DBMS	
10		NCS 070	Human Computer Interface	
10		NHU 601	Industrial Management	
10		NCS 651	Computer Networks Lab	
10		NCS 652	Software Engineering Lab	
10		NCS 653	Compiler Design Lab	
10		NIT 654	SEMINAR	
10		NGP 601	GP	

  
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10		NOE-071	Entrepreneurship Development	
10		NOE-072	Quality Management	
10		NOE-073	Operations Research	
10		NOE-074	Introduction to Bio Technology	
10		NOE-075	Mobile Application Development	
10		NOE-076	Ethical Hacking and Prevention	
10		NOE-077	Software Project Management	
10		NCS-701	Distributed System	
10		NCS-702	Artificial Intelligence	
10		NCS-071	Software Testing and Audit	
10		NCS-072	Neural Network	
10		NCS-073	Computer Vision	
10		NCS-074	High Speed Network	
10		NCS-075	Android Operating System	
10		NCS-076	Service Oriented Architecture	
10		NIT-701	Cryptography & Network Security	
10		NCS-751	Distributed System *	
10		NCS-752	Project	
10		NCS-753	Industrial Training	

B.Tech.(Computer  
Science &Engineering)  
4th Year

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GP-701	General Proficiency
NOE-081	Non Conventional Energy Resources
NOE-082	Non Linear Dynamics Systems
NOE-083	Product Development
NOE-084	Automation and Robotics
NCS-801	Digital Image Processing
NCS-080	Pattern Recognition
NCS-081	High Performance Computing
NCS-082	Real Time System
NCS-083	Cluster Computing
NCS-084	Grid Computing
NCS-085	Data Compression
NCS-086	Quantum Computing
NCS-087	Embedded Systems
NCS-088	Semantic Web and Web Services
NCS-851	Seminar
NCS-852	Project
GP-801	General Proficiency
RAS103	Engineering Maths

  
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31		RAS101	Engineering Physics-I
31		REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg
31		RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C
31		REC101/ RAS102	Basic Electronics/ Engineering Chemistry
31		RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab
31		REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab
31		RAS 154/ RCS151	Professional Communication Lab/ Computer Progm. Lab
31	B.Tech.(Electronics & Communication Engineering) 1st Year	RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics
31		RAS203	Engineering Maths-II
31		RAS201	Engineering Physics-II
31		RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg
31		RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication
31		RAS202/ REC201	Engineering Chemistry/ Basic Electronics
31		RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab
31		RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab
31		RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab
31		RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice
31		NAS-301	Mathematics III
31		NOE031	Introduction to Soft Computing (Neural Network, Fuzzy Logic and Genetic Algorithm)

2016-17



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B.Tech.(Electronics  
& Communication)

NOE032	Nano Sciences
NOE033	Laser Systems and Applications
NOE034	Space Sciences
NOE035	Polymer Science & Technology
NOE036	Nuclear Science
NOE037	Material Science
NOE038	Discrete Mathematics
NOE039	Applied Linear Algebra
NEC-301	Network Analysis & Synthesis
NEC-302	Fundamental of Electronic Devices
NEC-303	Signals and Systems
NHU-301/ NHU-302	Industrial Psychology/Industrial Sociology
NEC-304	Switching Theory & Logic Design
AUC-001/ AUC-002	Human Values & Professional Ethics/Cyber Security
NEC-351	Network Analysis & Synthesis Lab.
NEC-352	Electronics Workshop & PCB Design
NEC-353	Logic Design Lab.
NEC-354	Electronic Device Lab.
NGP-301	NGP

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31	Communication (Engineering) 2nd Year	NAS-401	Mathematics III
31		NOE-041	Introduction to Soft Computing (Neural Network, Fuzzy Logic and Genetic Algorithm)
31		NOE-042	Nano Sciences
31		NOE-043	Laser Systems and Applications
31		NoE-044	Space Sciences
31		NOE-045	Polymer Science & Technology
31		NOE-046	Nuclear Science
31		NOE-047	Material Science
31		NOE-048	Discrete Mathematics
31		NOE-049	Applied Linear Algebra
31		NEC-401	Data Structure
31		NEC-402	Electronic Circuits
31		NEC-408	Electronic Measurements & Instrumentation
31		NHU-401/ NHU-402	Industrial Sociology/ Industrial Psychology
31		NEC-404	Electromagnetic Field Theory (EMFT)
31		AUC-002/ AUC-001	Cyber Security/ Human Values & Professional Ethics
31		NEC-451	Data Structure Lab.
31		NEC-452	Electronic Circuits Lab.
31		NEC-453	Digital Electronics Lab.

  
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31	NEC-454	Electronics Measurement Lab.
31	NGP-401	NGP
31	NEC 501R	Integrated Circuits
31	NEC 502	Principles of Communication
31	NEC 503	Microprocessors
31	NIC 501	Control System -I
31	NEC 504	Antenna and Wave Propagation
31	NHU501	Engineering Economics PRACTICAL/ DESIGN/ DRAWING
31	NEC 551R	Integrated Circuits Lab
31	NIC 551	Control System Lab
31	NEC 552A	Communication Lab
31	NEC 553	Microprocessors Lab
31	NGP 501	GP
31	NEC 601	Microwave Engineering
31	NEC 602	Digital Communication
31	NEC 603	Integrated Circuit Technology
31	NEC011	Digital Signal Processing
31	NEC012	Computer Architecture and Organization
31	NEC013	Artificial Neural Network

  
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B.Tech.(Electronics  
&Communication  
Engineering) 3rd Year

NEC014	Advance Semiconductor Devices
NEC013 R	Real Time Systems
NEC021	Industrial Electronics
NEC022 R	Microcontroller for Embedded Systems
NEC023	Analog Signal Processing
NEC024R	Advance Digital Design using Verilog
NEC011	Digital Signal Processing
NEC012	Computer Architecture and Organization
NEC013	Artificial Neural Network
NEC014	Advance Semiconductor Devices
NEC013R	Real Time Systems
NEC 021	Industrial Electronics
NEC 022R	Microcontroller for Emebedded Systems
NEC 023	Analog Signal Processing
NEC 024R	Advance Digital Design using Verilog
NHU601	Industrial Management
NEC 651A	Antenna and Microwave Lab
NEC 652	Communication Lab - II
NEC 653	CAD of Electronics Lab

2016-17

  
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31	NEC 654R	Seminar
31	NEC 655	Microcontrollers for Embedded Systems Lab
31	NGP 601	GP
31	NOE-071	Entrepreneurship Development
31	NOE-072	Quality Management
31	NOE-073	Operation Research
31	NOE-074	Introduction to Biotechnology
31	NOE-075	Micro and smart systems
31	NEC 031	Information Theory & Coding
31	NEC 032	Digital Image Processing
31	NEC 033	Voice Over IP
31	NEC 034	Filter Design
31	NEC 035	Applied Fuzzy Electronic Systems
31	NEC 701	Optical Communication
31	NEC 702B	Data Communication Networks
31	NEC 703	VLSI Design
31	AUC 001	*Human Values & Professional Ethics
31	NEC 751	Optical Communication & Networking Lab
31	NEC 752A	Electronics Circuit Design

B Tech (Electronics

  
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31	Electronics & Communication Engineering) 4th Year	NEC 753	Industrial Training Viva-Voce	
31		NEC 754	Project	
31		NGP 701	General Proficiency	
31		NOE-081	Non Conventional Energy Resources	
31		NOE-082	Nonlinear Dynamic system	
31		NOE-083	Product Development	
31		NOE-084	Automation and Robotics	
31		NEC 041	Electronic Switching	
31		NEC 042	Digital System Design using VHDL	
31		NEC 043	Speech Processing	
31		NEC 044	Advanced Display Technologies & Systems	
31		NEC 045	Satellite & RADAR systems	
31		NEC 801	Wireless & Mobile Communication	
31		NEC 802	Optical Network	
31		AUC 001	*Human Values & Professional Ethics	
31		NEC 851	Project	
31		NGP 801	General Proficiency	
21			RAS103	Engineering Maths
21			RAS101	Engineering Physics-I

2015-16



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B.Tech.(Electrical & Electronics Engineering) 1st Year

REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg
RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C
REC101/ RAS102	Basic Electronics/ Engineering Chemistry
RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab
REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab
RAS 154/ RCS151	Professional Communication Lab/ Computer Progm. Lab
RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics
RAS203	Engineering Maths-II
RAS201	Engineering Physics-II
RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg
RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication
RAS202/ REC201	Engineering Chemistry/ Basic Electronics
RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab
RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab
RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab
RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice
ROE030	Manufacturing Process
ROE031	Introduction to soft computing
ROE032	Nano Science

2016-17

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B.Tech.(Electrical  
&Electronics  
Engineering) 2nd Year

ROE033	Laser System and Application
ROE034	Space Science
ROE035	Polymer Science & Technology
ROE036	Nuclear Science
ROE037	Material Science
ROE038	Discrete Mathematics
ROE039	Applied Linear Algebra
RVE301/ RAS302	Universal Human Values & Professional Ethics/ Environment & Ecology
REC309	Analog & Digital Electronics
REE301	Electrical & Electronics Engineering Materials
REE302	Electrical Measurements & Instrumentation
REE303	Basic Signals & Systems
REE351	Electrical Workshop
REE352	Electrical Measurements Lab
REE353	Simulation Lab – I
REC359	Electronics Lab
RME101*	Elements of Mechanical Engineering*
RCE151*	Computer Aided Engineering Graphics*
ROE040	Manufacturing Process

  
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 Greater Noida-201306  
 27, 10-111  
 2014-15

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ROE041	Introduction to soft computing
ROE042	Nano Science
ROE043	Laser System and Application
ROE044	Space Science
ROE045	Polymer Science & Technology
ROE046	Nuclear Science
ROE047	Material Science
ROE048	Discrete Mathematics
ROE049	Applied Linear Algebra
RAS302/ RVE301	Environment & Ecology/ Universal Human Values & Professional Ethics
REC402	Electromagnetic Field Theory
REE401	Power Plant Engineering
REE402	Electrical Machines
REE405	Network Analysis and Synthesis
REE451	Simulation- II Lab
REE452	Electrical Machines -I Lab
REE453	Networks Lab
REE454	Electrical Instrumentation Lab
RME201*	Elements of Mechanical Engineering*


  
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21		RCE251*	Computer Aided Engineering Graphics*	
21		NEE-501	Elements Of Power System	
21		NEE 502	Power Electronics	
21		NEE-503	Control System	
21		NEE-504	Microprocessor & Its Applications	
21		NEC-508	Fundamentals of E.M. Theory	
21		NHU-501	Engineering Economics	
21		NEE-551	Power Electronics Lab	
21		NEE 552	Control System Lab	
21		NEE-553	Microprocessor Lab	
21		NEE 554	Simulation Based Minor Project	
21	B.Tech.(Electrical &Electronics Engineering) 3rd Year	NGP 501	GP	2015-16
21		NEE-601	Power System Analysis	
21		NEE 602	Switchgear & Protection	
21		NEN-603/ NEC 501	Integrated Circuits	
21		NEN-011-NEN- 014	Departmental Elective-I	
21		NEN-021-NEN- 024	Departmental Elective-II	
21		NHU-601	Industrial Management	
21		NEC-651	IC Lab	

  
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21	NEN-652	Electrical & Electronics CAD Lab
21	NEN-653	Minor Project
21	NEN- 654	Seminar
21	NGP-601	GP
21	NEN 701	ELECTRIC DRIVES
21	NEN 702	POWER STATION PRACTICE
21	NEC702A	ANALOG & Digital COMMUNICATION
21	NEN-031	POWER SYSTEM OPERATION AND CONTROL
21	NEN-032	ADVANCED MICROPROCESSORS AND MICROCONTROLLERS
21	NEN-033	FLEXIBLE AC TRANSMISSION SYSTEMS
21	NCS-039	OBJECT ORIENTED SYSTEMS AND C++
21	NOE-071	ENTREPRENEURSHIP DEVELOPMENT
21	NOE-072	QUALITY MANAGEMENT
21	NOE-073	OPERATIONS RESEARACH
21	NOE-074	INTRODUCTION TO BIO TECHNOLOGY
21	NEN751	POWER SYSTEM LAB
21	NEC752B	ADC LAB
21	NEN753	INDUSTRIAL TRAINING
21	NEN754	PROJECT

B.Tech.(Electrical & Electronics Engineering) 4th Year

  
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NGP701	GP
NEE801	ELECTRICAL & ELECTRONICS ENGINEERING MATERIALS
NEC803	EMBEDDED SYSTEM
NEE041	EHVAC&DC TRANSMISSION
NEE042	POWER QUALITY
NEN043	IMAGE PROCESSING
NEN044	SATELLITE COMMUNICATION
NOE081	NON-CONVENTIONAL ENERGY RESOURCES
NOE082	NON LINEAR DYNAMIC SYSTEMS
NOE084	AUTOMATION & ROBOTICS
NOE085	DATABASE MANAGEMENT SYSTEM AND DATA MINING AND WAREHOUSING
NEN851	PROJECT
NGP801	GP
RAS103	Engineering Maths
RAS101	Engineering Physics-I
REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg
RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C
REC101/ RAS102	Basic Electronics/ Engineering Chemistry
RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab

  
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B.Tech.(Information Technology) 1st Year

REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab
RAS 154/ RCS151	Professional Communication Lab/ Computer Progm. Lab
RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics
RAS203	Engineering Maths-II
RAS201	Engineering Physics-II
RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg
RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication
RAS202/ REC201	Engineering Chemistry/ Basic Electronics
RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab
RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab
RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab
RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice
NAS-301	Mathematics III
NOE031	Introduction to Soft Computing (Neural Network, Fuzzy Logic and Genetic Algorithm)
NOE032	Nano Sciences
NOE033	Laser Systems and Applications
NOE034	Space Sciences
NOE035	Polymer Science & Technology
NOE036	Nuclear Science

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B.Tech.(Information Technology) 2nd Year

NOE037	Material Science
NOE038	Discrete Mathematics
NOE039	Applied Linear Algebra
NEC-309	Digital Logic Design
NCS-301	Data Structures Using C
NCS-302	Discrete Structures And Graph Theory
NHU-301/NHU-302	Industrial Psychology/ Industrial Sociology
NCS-303	Computer Based Numerical And Statistical Techniques
AUC-001/ AUC-002	Human Values & Professional Ethics/ Cyber Security
NEC 359	Digital Logic Design Lab
NCS 351	Data Structures Using C Lab
NCS 353	Numerical Techniques Lab
NCS 355	Advance Programming Lab
NGP 301	GP
NAS-401	Mathematics III
NOE-041	Introduction to Soft Computing (Neural Network, Fuzzy Logic and Genetic Algorithm)
NOE-042	Nano Sciences
NOE-043	Laser Systems and Applications
NoE-044	Space Sciences


2014-15



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NOE-045	Polymer Science & Technology
NOE-046	Nuclear Science
NOE-047	Material Science
NOE-048	Discrete Mathematics
NOE-049	Applied Linear Algebra
EHU-402/ EHU -401	Industrial Sociology/ Industrial Psychology
NEC-408	Information Theory and Coding
NCS- 401	Operating System
NCS- 402	Theory Of Automata and Formal Launguage
NIT-401	Multimedia and Animation
AUC-002/ AUC-001	Cyber Security / Human Values & Professional Ethics
NCS-451	Operating System Lab
NIT-451	Multimedia and Animation Lab
NCS-455	Functional and Logic Programming Lab
NIT-456	Colloquium
NGP-401	GP
NCS 501	Design and Analysis of Algorithm
NCS 502	Database Management System
NCS 503	Principle of Programming Language



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B.Tech.(Information Technology) 3rd Year

NCS 504	Web Technology
NIT 501	Management Information System
NHU 501	Engineering Economics
NCS 551	Design and Analysis of Algorithm Lab
NCS 552	DBMS Lab
NCS 553	Principle of Programming Language Lab
NCS 554	Web Technology Lab
NGP 501	GP
NCS 601	Computer Networks
NCS 602	Software Engineering
NCS 603	Compiler Design
NIT 061	Information Retrieval and Management
NIT 062	Modeling & Simulation
NIT 063	Bioinformatics
NIT 064	Knowledge based & decision Support System
NIT 065	Geographic Information System
NCS 066	Data Warehousing & Data Mining
NCS 070	Human Computer Interface
NIT 066	E-Business Strategies

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NCS 067	Distributed Database
NIT 067	Big Data
NHU 601	Industrial Management
NCS 651	Computer Networks Lab
NCS 652	Software Engineering Lab
NCS 653	Compiler Design Lab
NIT 654	SEMINAR
NGP 601	GP
NOE-071	Entrepreneurship Development
NOE-072	Quality Management
NOE-073	Operations Research
NOE-074	Introduction to Bio Technology
NOE-075	Mobile Application Development
NOE-076	Ethical Hacking and Prevention
NOE-077	Software Project Management
NIT-701	Cryptography & Network Security
NCS-702	Artificial Intelligence
NCS-071	Software Testing and Audit
NCS-072	Neural Network

  
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B.Tech.(Information Technology) 4th Year

NIT-071	IT in Forensic Science
NCS-074	High Speed Network
NCS-075	Android Operating System
NCS-076	Service Oriented Architecture
NCS-701	Distributed System
NCS-073	Computer Vision
NIT-751	Cryptography & Network Security*
NCS-752	Project
NCS-753	Industrial Training
GP-701	General Proficiency
NOE-081	Non Conventional Energy Resources
NOE-082	Non Linear Dynamics Systems
NOE-083	Product Development
NOE-084	Automation and Robotics
NIT-801	Mobile Computing
NCS-080	Pattern Recognition
NCS-082	Real Time System
NCS-084	Grid Computing
NCS-801	Digital Image Processing

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B.Tech.(Mechanical Engineering) 1st Year

NIT-080	Natural Language Processing
NCS-085	Data Compression
NCS-087	Embedded Systems
NCS-088	Semantic Web and Web Services
NIT-081	Software Quality Engineering
NIT-082	Software Reliability
NIT-851	Seminar
NCS-852	Project
GP-801	General Proficiency
RAS103	Engineering Maths
RAS101	Engineering Physics-I
REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg
RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C
REC101/ RAS102	Basic Electronics/ Engineering Chemistry
RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab
REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab
RAS 154/ RCS151	Professional Communication Lab/ Computer Progm. Lab
RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics
RAS203	Engineering Maths-II

  
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2016-17

40	RAS201	Engineering Physics-II
40	RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg
40	RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication
40	RAS202/ REC201	Engineering Chemistry/ Basic Electronics
40	RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab
40	RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab
40	RCS251/ RAS 254	Computer Prog. Lab/ Professional Communication Lab
40	RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice
40	NAS-301	Mathematics III
40	NOE031	Introduction to Soft Computing (Neural Network, Fuzzy Logic and Genetic Algorithm)
40	NOE032	Nano Sciences
40	NOE033	Laser Systems and Applications
40	NOE034	Space Sciences
40	NOE035	Polymer Science & Technology
40	NOE036	Nuclear Science
40	NOE037	Material Science
40	NOE038	Discrete Mathematics
40	NOE039	Applied Linear Algebra
40	NCE-301	Fluid Mechanics

  
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B.Tech.(Mechanical Engineering) 2nd Year

NME-301	Material Science
NME-302	Mechanics of Solids
NHU-301/ NHU-302	Industrial Psychology/ Industrial Sociology
NME-303	Thermodynamics
AUC-001/ AUC-002	Human Value & Professional Ethics/Cyber Security
NCE-351	Fluid Mechanics Lab.
NME-351	Material Science & Testing Lab.
NME-352	Machine Drawing I
NME-353	Thermodynamics Lab.
NGP-301	GP
NAS-401	Mathematics III
NOE-041	Introduction to Soft Computing (Neural Network, Fuzzy Logic and Genetic Algorithm)
NOE-042	Nano Sciences
NOE-043	Laser Systems and Applications
NoE-044	Space Sciences
NOE-045	Polymer Science & Technology
NOE-046	Nuclear Science
NOE-047	Material Science
NOE-048	Discrete Mathematics

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NOE-049	Applied Linear Algebra
NEE-409	Electrical Machines & Controls
NME-401	Applied Thermodynamics
NME-402	Manufacturing Science & Technology I
NHU-402/NHU-401	Industrial Sociology/Industrial Psychology
NME-403	Measurement and Metrology
AUC-002/AUC-001	Cyber Security/Human Value & Professional Ethics
NEE-459	Electrical Machines & Controls Lab.
NME-451	Machine Drawing II
NME-452	Manufacturing Technology I Lab.
NME-453	Measurement and Metrology Lab.
NGP-401	GP
NME-501	Machine Design-I
NME-502	Kinematics of Machines
NME-503	Manufacturing Science & Technology-II
NME-504	Heat & Mass Transfer
NME-505	I.C. Engines & Compressors
NHU-501	Engineering Economics
NME-551	Machine Design-I Lab

  
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B.Tech.(Mechanical Engineering) 3rd Year

NME-552	Seminar
NME-553	Manufacturing Technology-II Lab
NME-554	Heat & Mass Transfer Lab
NGP-501	General Proficiency
NME-602	Machine Design-II
NME-603	Dynamics of Machines
NME-604	Refrigeration & Air-conditioning
NME-011	Engineering Optimization
NME-012	Finite Element Methods
NME-013	Mechanical Vibrations
NME-014	Mechatronics
NME-021	Fluid Machinery
NME-022	Product Design & Development
NME-023	Reliability Engineering
NME-024	Unconventional Manufacturing Processes
NME-651	Fluid Machinery Lab
NME-652	Machine Design-II Lab
NME-653	Theory of Machines Lab
NME-654	Refrigeration & Air Conditioning Lab

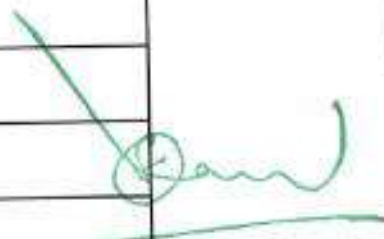
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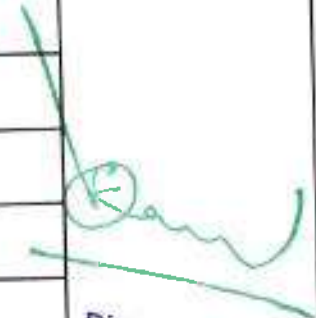
40	NGP-601	General Proficiency
40	NOE-071	Entrepreneurship Development
40	NOE-072	Quality Management
40	NOE-073	Operations Research
40	NOE-074	Introduction to Bio Technology
40	NME-701	CAD
40	NME-702	Automobile Engineering
40	NME-031	Computer Aided Manufacturing
40	NME-032	Project Management
40	NME-033	Computational Fluid Dynamics
40	NME-034	Composite materials
40	NME-041	Total Quality Management
40	NME-042	Thermal Turbo Machines
40	NME-043	Mechanical System Design
40	NME-044	Automation and Robotics
40	NME-751	CAD/CAM Lab
40	NME-752	I. C. Engine and Automobile Lab.
40	NME-753	INDUSTRIAL TRG.
40	NME-754	PROJECT

  
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40	B.Tech.(Mechanical Engineering) 4th Year	GP-701	GP
40		NOE-081	Non Conventional Energy Resources
40		NOE-082	Non Linear Dynamics Systems
40		NOE-083	Product Development
40		NOE-084	Automation and Robotics
40		NPI-801	Quality Control
40		NME-051	Operations Research
40		NME-052	Design of Thermal Systems
40		NME-053	Advance Synthesis of machines
40		NME-054	Industrial Automation
40		NME-055	Advance Welding Technology
40		NME-061	Experimental Stress Analysis
40		NME-062	Plant Layout and Material Handling
40		NME-063	Additive Manufacturing
40		NME-064	Computer Aided Process Planning
40		NME-065	Non Destructive Testing
40		NME-851	SEMINAR
40		NME-852	PROJECT
40		GP-801	GP

  
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00	B.Tech.(Civil Engineering) 1st Year	RAS103	Engineering Maths	2016-17
00		RAS101	Engineering Physicss-I	
00		REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg	
00		RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C	
00		REC101/ RAS102	Basic Electronics/ Engineering Chemistry	
00		RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab	
00		REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab	
00		RAS 154/ RCS151	Professional Communication Lab/ Computer Progm. Lab	
00		RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics	
00		RAS203	Engineering Maths-II	
00		RAS201	Engineering Physicss-II	
00		RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg	
00		RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication	
00		RAS202/ REC201	Engineering Chemistry/ Basic Electronics	
00		RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab	
00		RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab	
00		RCS251/ RAS 254	Computer Progm. Lab/ Professional Communication Lab	
00		RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice	
00		NAS-301	Mathematics III	

  
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NOE031	Introduction to Soft Computing (Neural Network, Fuzzy Logic and Genetic Algorithm)
NOE032	Nano Sciences
NOE033	Laser Systems and Applications
NOE034	Space Sciences
NOE035	Polymer Science & Technology
NOE036	Nuclear Science
NOE037	Material Science
NOE038	Discrete Mathematics
NOE039	Applied Linear Algebra
NCE-301	Fluid Mechanics
NCE-302	Building Materials & Construction
NME-302	Mechanics of Solids
NHU-301/ NHU-302	Industrial Psychology/ Industrial Sociology
NCE-303	Surveying-I
AUC-001/ AUC-002	Human Value & Professional Ethics/Cyber Security
NCE-351	Fluid Mechanics Lab.
NCE-352	Building Materials Lab
NCE-353	Surveying Lab
NCE-354	Building Planning & Drawing

  
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B.Tech.(Civil  
Engineering) 2nd Year

NGP-301	NGP
NAS-401	Mathematics III
NOE-041	Introduction to Soft Computing (Neural Network, Fuzzy Logic and Genetic Algorithm)
NOE-042	Nano Sciences
NOE-043	Laser Systems and Applications
NoE-044	Space Sciences
NOE-045	Polymer Science & Technology
NOE-046	Nuclear Science
NOE-047	Material Science
NOE-048	Discrete Mathematics
NOE-049	Applied Linear Algebra
NCE-401	Structural Analysis-I
NCE-402	Geo-informatics
NCE-403	Hydraulics & Hydraulic Machines
NHU-402/ NHU-401	Industrial Sociology/Industrial Psychology
NCE-404	Engineering Geology
AUC-002/ AUC-001	Cyber Security/Human Value & Professional Ethics
NCE-451	Structural Analysis Lab
NCE-452	Geo-informatics Lab

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B.Tech.(Civil  
Engineering) 3rd Year

NCE-453	Hydraulics & Machine Lab
NCE-455	CBSNT Lab
NGP-401	NGP
NHU 501	Engineering Economics
NCE 501	Geotechnical Engineering
NCE 502	Transportation Engineering-1
NCE 503	Environmental Engineering-1
NCE 504	Structural Analysis-2
NCE 505	Design of Concrete Structure-1
NCE 551	Geotechnical Engineering Lab
NCE 552	Transportation Engineering Lab
NCE 553	CAD Lab-1
NCE 554	Estimation Costing & Valuation
NGP 501	General Proficiency
NHU 601	Industrial Management
NCE 601	Design of Concrete Structure-2
NCE 602	Environmental Engineering-2
NCE 603	Construction Technology & Management
NCE 011	Advanced Foundation Design

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NCE 012	Matrix Analysis of Structures
NCE 013	Environmental Management for Industries
NCE 014	Principals of Town Planning and Architecture
NCE 021	Advanced Concrete Design
NCE 022	Earth and Earth Retaining Structure
NCE 023	Transportation System and Planning
NCE 024	Rural Water supply and Sanitation
NCE 651	Structural Detailing Lab
NCE 652	Environmental Engineering Lab
NCE 653	CAD Lab-2
NCE 654	Survey Camp*
NGP 601	General Proficiency
NOE-071	Entrepreneurship Development
NOE-072	Quality Management
NOE-073	Operations Research
NOE-074	Introduction to Bio Technology
NCE 031	Bridge Engineering
NCE 032	Finite Element Methods
NCE 033	Environmental Geo-technology

  
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B.Tech.(Civil Engineering) 4th Year

NCE 034	Industrial Pollution Control & Env. Audit
NCE 035	Engineering Hydrology
NCE 041	Precast and Modular Construction Practices
NCE 042	Plastic Analysis of Structures
NCE 043	Open Channel Flow
NCE 044	Tunnel Engineering
NCE701	Design of Steel Structures
NCE702	Water Resources Engg
NCE751	Seminar
NCE752	Industrial Training**
NCE753	Project#
NGP 701	General Proficiency
NOE-081	Non Conventional Energy Resources
NOE-082	Non Linear Dynamics Systems
NOE-083	Product Development
NOE-084	Automation and Robotics
NCE 051	Computer Aided Design
NCE 052	Analysis and Design of Hydraulic Structures
NCE 053	Water Resources Systems

2015-16



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B.Tech.(Computer Science & Information Technology) 1st Year

NCE 054	Machine Foundation Design
NCE061	Ground Improvement Techniques
NCE 062	River Engineering
NCE 063	Groundwater Management
NCE 064	Earthquake Resistant Design of Structures
NCE801	Transportation Engineering -II
NCE851	Project
NGP 801	General Proficiency
RAS103	Engineering Maths
RAS101	Engineering Physics-I
REE101/ RME101	Basic Electrical Engg/ Elements of Mechanical Engg
RAS 104/ RCS101	Professional Communication/ Computer System & Programming in C
REC101/ RAS102	Basic Electronics/ Engineering Chemistry
RAS151/ RAS152	Engg. Physics Lab/ Engg. Chemistry Lab
REE151/ RME151	Basic Electrical Engg Lab/ Elements of Mechanical Engg Lab
RAS 154/ RCS151	Professional Communication Lab/ Computer Prog. Lab
RME152/ RCE151	Workshop Practice/ Computer Aided Engg. Graphics
RAS203	Engineering Maths-II
RAS201	Engineering Physics-II

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*Dr. Mahatya*  
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RME201/ REE201	Elements of Mechanical Engg/ Basic Electrical Engg
RCS201/ RAS 204	Computer System & Programming in C/ Professional Communication
RAS202/ REC201	Engineering Chemistry/ Basic Electronics
RAS252/ RAS251	Engg. Chemistry Lab/ Engg. Physics Lab
RME251/ REE251	Elements of Mechanical Engg Lab/ Basic Electrical Engg Lab
RCS251/ RAS 254	Computer Prog. Lab/ Professional Communication Lab
RCE251/ RME252	Computer Aided Engg. Graphics/ Workshop Practice
NAS-301/NOE-031 TO NOE-039	MATHEMATICS III/SCIENCE BASED OPEN ELECTIVE
NOE031	Introduction to soft computing
NOE032	NANO ScienceS
NOE033	Laser System and Application
NOE034	SPACe ScienceS
NOE035	Polymer Science & Technology
NOE036	Nuclear Science
NOE037	MATERIAL SCIENCE
NOE038	Discrete Mathematics
NOE039	Applied Linear Algebra
NEC 309	DIGITAL LOGIC DESIGN
NCS 301	DATA STRUCTURE USING C

  
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B.Tech.(Computer Science & Information Technology) 2nd Year


NCS 302	DISCRETE STRUCTURE AND GRAPH THEORY
NHU301/ NHU302	INDUSTRIAL PSYCHOLOGY/INDUSTRIAL SOCIOLOGY
NCS 303	COMPUTER BASED Numerical & Statistical Techniques
AUC-001/AUC-002	HUMAN VALUES & PROFESSIONAL ETHICS/CYBER SECURITY
NEC 359	DIGITAL LOGIC DESIGN LAB
NCS 351	DATA STRUCTURE USING C LAB
NCS 353	NUMERICAL TECHNIQUES LAB
NCS 355	ADVANCE PROGRAMMING LAB
NGP 301	GP
NOE-041 TO NOE-049/ NAS-401	SCIENCE BASED OPEN ELECTIVE/MATHEMATICS III
NOE-041	Introduction to soft computing
NOE-042	NANO SCIENCES
NOE-043	Laser System and Application
NOE-044	SPACE SCIENCES
NOE-045	Polymer Science & Technology
NOE-046	Nuclear Science
NOE-047	MATERIAL SCIENCE
NOE-048	Discrete Mathematics
NOE-049	Applied Linear Algebra

2015-16

  
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NHU401/NHU402	INDUSTRIAL PSYCHOLOGY/INDUSTRIAL SOCIOLOGY
NEC-409	Introduction to Microprocessor
NCS-401	OPERATING SYSTEM
NCS-402	Theory of Automata and Formal Languages
NCS-403	COMPUTER GRAPHICS
AUC-002/AUC-001	CYBER SECURITY / HUMAN VALUES & PROFESSIONAL ETHICS
NEC-459	MICROPROCESSOR LAB
NCS 451	OPERATING SYSTEM LAB
NCS 453	COMPUTER GRAPHICS lab
NCS 455	FUNCTIONAL AND LOGIC PROGRAMMING LAB
NGP-401	GP
NCS 501	DESIGN AND ANALYSIS OF ALGORITHM
NCS 502	DATABASE MANAGEMENT SYSTEM
NCS 503	PRINCIPLE OF PROGRAMMING LANGUAGE
NCS 504	WEB TECHNOLOGY
NCS 505	COMPUTER ARCHITECTURE
NHU501	ENGINEERING ECONOMICS
NCS 551	DESIGN AND ANALYSIS OF ALGORITHM LAB
NCS 552	DATABASE MANAGEMENT SYSTEM LAB


  
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B.Tech.(Computer  
Science & Information  
Technology)3RD Year


NCS 553	PRINCIPLE OF PROGRAMMING LANGUAGE LAB
NCS 554	WEB TECHNOLOGY LAB
NGP 501	GP
NCS 601	COMPUTER NETWORKS
NCS 602	SOFTWARE ENGINEERING
NCS 603	COMPILER DESIGN
NCS 061	COMPUTATIONAL GEOMETRY
NCS 062	COMPLEXITY THEORY
NCS 063	PARALLEL ALGORITHM
NCS 064	APPROXIMATION & RANDOMIZED ALGORITHM
NCS 065	CONCURRENT SYSTEM
NCS 066	DATA WAREhousing & Data Mining
NCS 067	DISTRibuted DATABASE
NCS 068	E-COMMERCE
NCS 069	ADVANCE DBMS
NCS 070	HUMAN COMPUTER INTERFACE
NHU 601	INDUSTRIAL MANAGEMENT
NCS 651	COMPUTER NETWORKS LAB
NCS 652	SOFTWARE ENGINEERING LAB

2015-16

  
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NCS 653	COMPILER DESIGN LAB
NCS 654	SEMINAR
NGP 601	GP
NOE-071	Entrepreneurship Development
NOE-072	Quality Management
NOE-073	Operations Research
NOE-074	Introduction to Bio Technology
NOE-075	Mobile Application Development
NOE-076	Ethical Hacking and Prevention
NOE-077	Software Project Management
NCS-701	Distributed System
NCS-702	Artificial Intelligence
NCS-071	Software Testing and Audit
NCS-072	Neural Network
NCS-073	Computer Vision
NCS-074	High Speed Network
NCS-075	Android Operating System
NCS-076	Service Oriented Architecture
NIT-701	Cryptographic & Network Security



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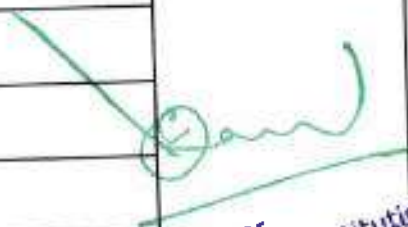


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B.Tech.(Computer Science & Information Technology) 4th year

NCS-751	Distributed System
NCS-752	Project
NCS-753	Industrial Training
GP-701	General Proficiency
NOE-081	Non Conventional Energy Resources
NOE-082	Non Linear Dynamics Systems
NOE-083	Product Development
NOE-084	Automation & Robotics
NCS-801	Digital Image Processing
NCS-080	Pattern Recognition
NCS-081	High Performance Computing
NCS-082	Real Time Systems
NCS-083	Cluster Computing
NCS-084	Grid Computing
NCS-085	Data Compression
NCS-086	Quality Management
NCS-087	Embedded System
NCS-088	Semantic Web and Web Services
NCS-851	Seminar

2016-17

  
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11	NCS-852	Project	
11	GP-801	General Proficiency	
70	RMB101	Management Concepts and Applications	2016-17
70	RMB102	Managerial Economics	
70	RMB103	Financial Accounting for Managers	
70	RMB104	Business Statistics	
70	RMB105	Organisational Behaviour	
70	RMB106	Marketing Management	
70	RMB107	Business Communication	
70	RMB108	Computer Application & Management Information System	
70	RMB201	Business Environment	
70	RMB202	Human Resource Management	
70	RMB203	Business Research Methods	
70	RMB204	Financial Management	
70	RMB205	Management Accounting & Control	
70	RMB206	Production Operation & Supply Chain Management	
70	RMB207	Quantitative Techniques for Managers	
70	RMB208	Legal Aspects for Business	
70	RMB209	Comprehensive Viva	

Master of Business Administration 1st Year

  
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70	Master of Business Administration 2nd Year	NMBA 031	Entrepreneurship Development
70		NMBA 032	International Business Management
70		NMBA 033	Rural Development
70		NMBA 034	Project Management
70		NMBA 035	Summer Training Project Report
70		AUC-001/ AUC-002	** Human Value & Professional Ethics/ Cyber Security
70		NMBA HR 01	Leadership & Personality Development
70		NMBA HR02	Industrial Relations & Labour Enactments
70		NMBA MK 01	Consumer Behaviour & Customer Loyalty
70		NMBA MK 02	Integrated Marketing Communications
70		NMBA FM 01	Security Analysis & Investment Management
70		NMBA FM 02	Management of Financial Institutions & Services
70		NMBA IT 01	Database Management System
70		NMBA IT 02	System Analysis & Design
70		NMBA IB01	International Marketing Management
70		NMBA IB02	International Logistics & Documentation
70		NMBA RD0 1	Rural Marketing
70		NMBA RD 02	Micro Finance, Small Group Management, and Cooperatives
70		NMBA 035	Summer Training Project Report

  
 2018-19  
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70	AUC-001/ AUC-002	** Human Value & Professional Ethics/ Cyber Security
70	NMBA 041	Strategic Management
70	NMBA 042	Insurance & Risk Management
70	NMBA 043	Hospitality & Tourism Management
70	NMBA 044	Behavioral Finance
70	NMBA HR 03	Negotiation & Counseling
70	NMBA MK 03	Retailing & Distribution Management
70	NMBA FM 03	Tax Planning and Management
70	NMBA IT 03	Data Communication & Network
70	NMBA IB03	International Financial Management
70	NMBA RD03	Food Technology & Processing Management
70	NMBA 045	Research Project Report
70	NMBA 046	Comprehensive Viva (CV)
70	AUC-002/ AUC-001	** Cyber Security / Human Value & Professional Ethics

  
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