



Guru Nanak Educational Society's
**GURU NANAK INSTITUTE
 OF ENGINEERING & TECHNOLOGY**

APPROVED BY AICTE, DTE & AFFILIATED TO RTM NAGPUR UNIVERSITY, NAGPUR
 Dahegaon, Opp IOC Petrol pump, Kalmeshwar Road, Nagpur- 441501 Ph. 07118-661400
 Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



Sheet1

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur – 441501. Phone No. 07118-661400

NAAC Accredited

SESSION : 2022-23 (EVEN Sem)

Department of Electronics & Telecommunication Engineering
 Faculty Contact Hours (Subject Distribution)

Sr. No	Name of Faculty	Theory(4 th + 6 th + 8 th)												Theory contact Hours (A)	Practical(Lab1+Lab2+Lab3)			Practical contact Hours (B+C+D)	Project Contact Hours (E)	Total Contact Hours (A+B+C+D+E)
		4 th			6 th			8 th			Lab1(B)	Lab2(C)	Lab3(D)							
		L	T	Total	L	T	Total	L	T	Total										
1	Dr. Sushma Telrandhe	DSA 4 th Sem (ETC)	2	1	3				CVD 8 th Sem (ETC)	3	1	4	7		Mini Project(3)	MRE 8 th Sem (ETC)	5	3	15	
2	Prof. Deepak Deshpande	ASD 4 th Sem (ETC)	3	1	4	WSN 6 th Sem (ET C)	3	1	4	DE 4 th Sem (EE)	2	1	3	11	ADE (B1)	WSN (B1)	Mini Project	7	3	21
3	Prof. Sandip Buradkar	ADC 4 th Sem (ETC)	3	1	4	CSE 6 th Sem (ETC)	3	1	4	WMC 8 th Sem (ETC)	4	1	5	13		IOT (B1)	Mini Project	5	3	21
4	Prof. Rajesh Mate				CCN 6 th Sem (ETC)	3	1	4	CCN 8 th Sem (ETC)	4	1	5	9		CCN (B1)	CCN (B1)	4		13	
5	Prof. Soniya Milmile	UC & A 4 th Sem (ETC)	3	1	4	IOT 6 th Sem (ETC)	3	1	4	ES 8 th Sem (ETC)	4	1	5	13	UC & A (B1)	Mini Project		5	3	21
6	Prof. Minakshi Dhage	Matlab 4 th Sem (ETC)	2	1	3	OE-I 6 th Sem (EE)	3	1	4	SS 4 th Sem (EE)	3	1	4	11		Mini Project		3	3	17
	Prof.XI	MRE 8 th Sem (ETC)	1		3														4	
Faculty from other Department																				

15/2



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DAHEGAON, KALMESHWAR ROAD, NAGPUR - 441501 Phone No. 07118-661400
 NAAC Accredited
 SESSION: 2022-23 (EVEN Sem)
 Department of Applied Sciences & Humanities
 Faculty Contact Hours (Subject Distribution)

Sr. No	Name of Faculty	Theory						Theory contact Hours (A)	Practical				Practical contact Hours (B)	Total Contact Hours (A+B)	Total Load	
		TH (Sec. A)	L	T	Total	TH (Sec. B)	L		T	Total	Lab 1 (Sec. A)	Lab 2 (Sec. A)				Lab 1 (Sec. B)
1	Prof. Sandeep Bhongale	DMGT (CSE)	3	1	4											
		Mathematics - II	3	1	4											
2	Prof. Motiram Bannagare		-	-	-	Mathematics - II										
		AEM	3	2	5		3	1	4	4						8
3	Prof. Sadaf Gauhar		-	-	-											
		AEM	3	2	5											4
4	Prof. Divya Lande		-	-	-											
		AEM	3	2	5		3	2	5	5	3	3			6	11
5	Prof. Pranali Kharwade	Applied Chemistry	2	2	4										6	11
7	Prof. Suharshana Sunkurwar		-	-	-	Applied Chemistry					2	2			4	8
		Computational Skills	2	-	2	Computational Skills	2	2	4	4			2	2	4	8
8			-	-	-											
		Workshop Practices				Workshop Practices					2	2	2	2	8	12
9	Prof. K. N. Wagh															
		Basics of Electrical Engineering	4	-	4	Basics of Electrical Engineering	4		4	8					8	8
10																

Faculty To other Department

11	Prof. Sandeep Bhongale	DMGT (CSE)	3	1	4	4*1=04				4						4
12	Prof. Yashraj Chopkar															

[Signature]
 Principia
 Guru Nanak Institute of Engineering & Technology Nagpur- 441501

Prof. Sadaf Gauhar
 HOD
 ASH GNIET

SESSION : 2022-23 (ODD Sem)

Department of Applied Sciences & Humanities
Faculty Contact Hours (Subject Distribution)

Sr. No	Name of Faculty	Theory								Theory contact Hours (A)	Practical				Practical contact Hours (B)	Total Contact Hours (A+B)	Total Load
		TH (Sec. A)			TH (Sec. B)			Lab 1 (Sec. A)	Lab 2 (Sec. A)		Lab 1 (Sec. B)	Lab 2 (Sec. B)					
		L	T	Total	L	T	Total										
1	Prof. Sandeep Bhargade	Mathematics - III (EE, ETC, CSE)	3	1	4	4*3=12									12	16	
		Mathematics - I	3	1	4										4		
2	Prof. Motiram Hamagare				Mathematics - I	3	1	4	4						4	4	
3	Prof. Sadaf Gauthar				Applied Physics	3	2	5							6	11	
4	Prof. Divya Lande				Applied Physics	3	2	5	5			3	3	6	11	22	
5	Prof. Pranali Kharwade				Energy & Environment	2	2	4						4	8		
6	Prof. Pranali Kharwade				Environmental Science	1	0	1	1*3=3						3	11	
7	Prof. Suharsana Sunkarwar				Energy & Environment	2	2	4	4			2	2	4	8		
8					Communication Skills	2		2	2	2	2	2	2	8	12	16	
9	Prof. K. N. Wagh				Engineering Graphics	1		1	2	4	4	4	4	16	18	18	
10					Basics of Civil & Mechanical Engineering	4		4	8						8	12	

Faculty In other Department

11	Prof. Sandeep Bhargade	Applied Mathematics - III (EE, ETC, CSE)	3	1	4	4*3=12			12						12
12	Prof. Yashraj Chavhan	Industrial Robotics	5		5				5						5
13	Prof. Pranali Kharwade	Environmental Science	1	0	1	1*3=3			3						3

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Principal

Guru Nanak Institute of Engineering
Technology Nagpur- 441501

Prof. Sadaf Gauthar
HOD
ASH/GNIEI



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


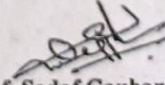
GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur. 441501
Department of Applied Sciences & Humanities
Session 2022-23(EVEN)
Subject Distribution



S.No.	Sememster	Name of Subject/Practical	Name of Faculty
1	2 nd Sem. A	Mathematics-II	Prof. Fouziya Ansari
2		Advanced Engineering Materials	Prof. Sadaf Gauhar
3		Applied Chemistry	Prof. Pranali Kharwade
4		Computational Skills	Prof. Mayuri Shrugare
5		Basics of Electrical Engineering	Prof. Vaishali Dhanwate
6		Engineering Mechanics	Prof. Pranjali Markand
7		Indian Culture & Constitution	Prof. Shamina Siddique
8		Workshop Practices	Prof. Vijay Tayde
9		Advanced Engineering Materials Lab.	Prof. Sadaf Gauhar
10		Applied Chemistry Lab.	Prof. Pranali Kharwade
11		Computational Skills Lab.	Prof. Mayuri Shrugare
12	2 nd Sem. B	Mathematics-II	Prof. Fouziya Ansari
13		Advanced Engineering Materials	Prof. Sadaf Gauhar
14		Applied Chemistry	Prof. Suharshana Somkuwar
15		Computational Skills	Prof. Ankita Shende
16		Basics of Electrical Engineering	Prof. Harshal Ghatole
17		Engineering Mechanics	Prof. Pranjali Markand
18		Indian Culture & Constitution	Prof. Shamina Siddique
19		Workshop Practices	Prof. Vijay Tayde
20		Advanced Engineering Materials Lab.	Prof. Sadaf Gauhar
21		Applied Chemistry Lab.	Prof. Suharshana Somkuwar
22		Computational Skills Lab.	Prof. Ankita Shende
23	2 nd Sem. C	Mathematics-II	Prof. Fouziya Ansari
24		Advanced Engineering Materials	Prof. Divya Lande
25		Applied Chemistry	Prof. Pranali Kharwade
26		Computational Skills	Prof. Mayuri Shrugare
27		Basics of Electrical Engineering	Prof. Swati Gajbhiye
28		Engineering Mechanics	Prof. Pranjali Markand
29		Indian Culture & Constitution	Prof. Shamina Siddique
30		Workshop Practices	Prof. Yashraj Chopkar
31		Advanced Engineering Materials Lab.	Prof. Divya Lande
32		Applied Chemistry Lab.	Prof. Pranali Kharwade
33		Computational Skills Lab.	Prof. Mayuri Shrugare
34	2 nd Sem. D	Mathematics-II	Prof. Fouziya Ansari
35		Advanced Engineering Materials	Prof. Divya Lande
36		Applied Chemistry	Prof. Suharshana Somkuwar
37		Computational Skills	Prof. Ankita Shende
38		Basics of Electrical Engineering	Prof. Swati Gajbhiye
39		Engineering Mechanics	Prof. Pranjali Markand
40		Indian Culture & Constitution	Prof. Shamina Siddique
41		Workshop Practices	Prof. Yashraj Chopkar
42		Advanced Engineering Materials Lab.	Prof. Divya Lande
43		Applied Chemistry Lab.	Prof. Suharshana Somkuwar
44		Computational Skills Lab.	Prof. Ankita Shende

to:
Principal
Vice-Principal
Associate Dean (Academics)


Principal
Guru Nanak Institute of Engineering &
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Prof. Sadaf Gauhar
HoD, ASH, GNIET
HOD
Department of Applied
Science & Humanities
GNIET Nagpur



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Guru Nanak Institute of Engineering & Technology

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DEPARTMENT OF MANAGEMENT STUDIES

SESSION-2022-23 (EVEN)

Load Calculation per Week Lectures


Sr. No	Faculty Name	MBA		Other Dept	Load
		2 nd sem	4 th sem		
1.	Prof. Puja Nagpure	5	4	2	11
2.	Dr. Jonathan Joseph	5	4	5	14
3.	Prof. Nikita Khadgi	5	4	3	12
4.	Prof. Rukhmini Basiwar	5	4	-	9
5.	Prof. Manish Hedao	5	4	2	11
6.	Prof. Rajesh Raut	5	4	4	13
7.	-			-	
			Total		70

Total Faculty Required

= 70 / 12 week

= 5.83

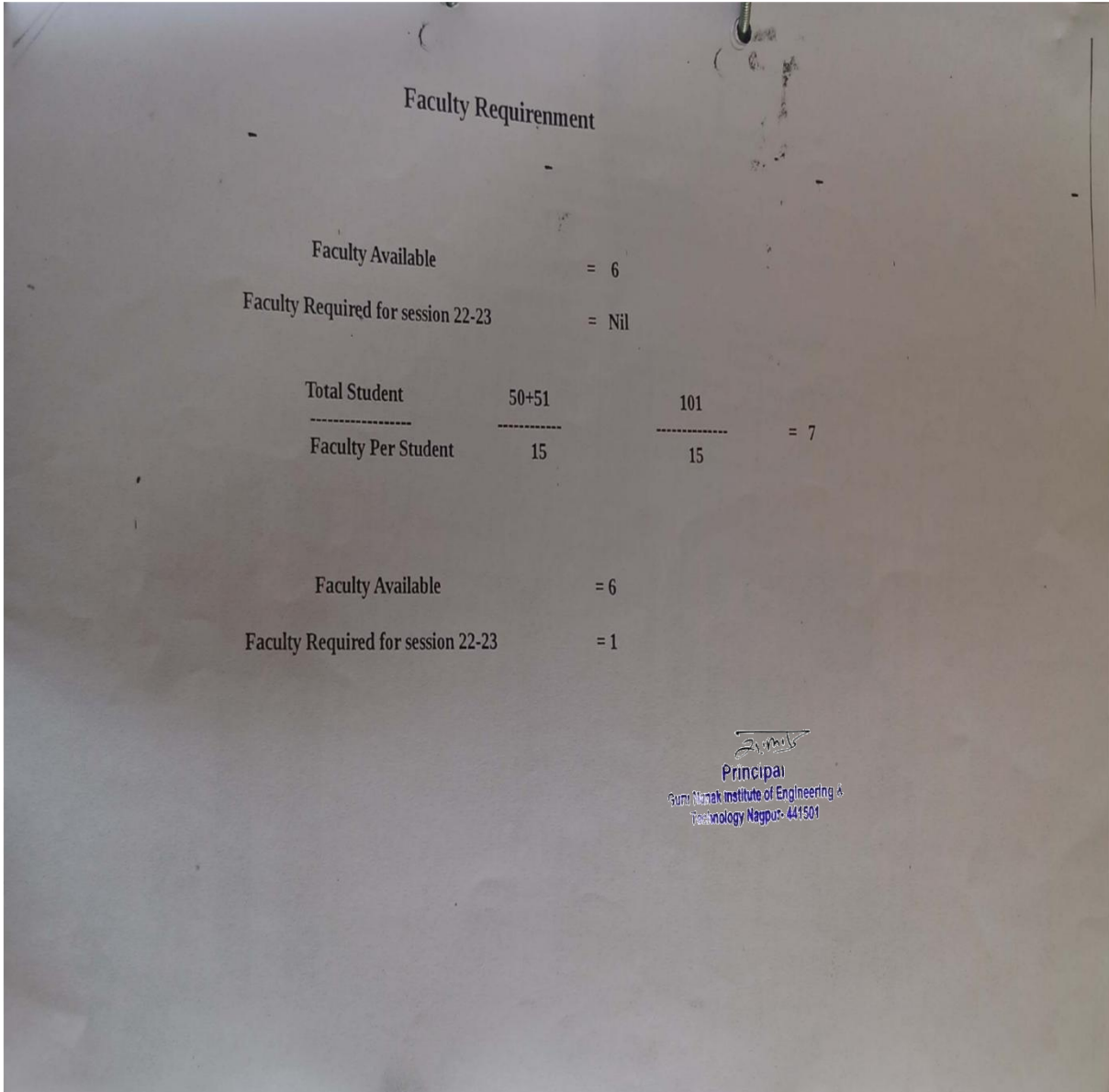
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


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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY
Dahegaon, Kalmeshwar Road, Nagpur - 441501. Phone No. 07118-661400
NAAC Accredited
SESSION : 2022-23 (EVEN Sem)
Department of Electrical Engineering
Faculty Contact Hours (Subject Distribution)

Sr. No	Name of Faculty	Theory(Th1+Th2+Th3+Th4)																Theory contact Hours (A)	Practical(Lab1+Lab2)			Practical contact Hours (B+C+D)	Project Contact Hours (E)	Project Contact Hours (F)	Total Contact Hours (A+B+C+D+E+F)	
		TH1			TH2			TH3			TH4			Lab1(B)	Lab2(C)	Lab3(D)										
		L	T	Total	L	T	Total	L	T	Total	L	T	Total													
1	Prof. R.M. Bhombre	EDS 8 sem	4	1	5												4				2	4				
2	Prof. Diksha Khare	SGP (Th) 8 sem	4	1	5	SGP (Th)6 sem	3	1	4												2	4				10
3	Prof. Akshay Pillewan	EMC-I (Th) 4 sem	3		3	EDTC(Th)6 sem	3		3								6	EMC-I (PR)2		2	2					15
4	Prof. Manish Agrawal	PS(Th) 4SEM	3		3	CAPS (Th)6 sem	3	1	4								7									10
5	Prof.Swati Gajbhiye	CAPS (Th) 8 sem	4	1	5	BEE(2 Sem)	2		2								7	SGP (PR) 6 sem 2	SGP (PR) 8 sem 2		4	2				9
6	Prof.Saniya Khan	EHV AC & HVDC 8	3	1	4	BEE(2 Sem)	2		2	BEE(2 Sem)	2		2				8									13
7	Prof.Harshal Ghatole	Open Ele(Th)6 sem	3		3	PTS(4 Sem)	3		3								6	CAPS (PR) 6 sem 2	CAPS (PR) 8 sem 2		4	2				12
8	Prof. Vaishali Dharwad	EMF(4 Sem)	4		4	BEE(2 Sem)	2		2								6		PTS(PR)4 Sem		2					8
Faculty from other Department																										
9	Prof.Meerakshi Dhage	Signals and System 4 sem	3	1	4												4									


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Dahegaon, Kalmeshwar Road, Nagpur - 441501, Phone No. 07118-661400
 Department of Electrical Engineering
 Session 2022-23
 Teaching Load Calculation BE (Even semester) (Actual)
 BE and BTech

Sr. No.	Semester	Subject	Theory (Hrs)	Practical		Total Practical Hours	Total Load
				Practical (Hrs)	Practical Batches		
1	IV Sem A	Electrical machines-I	3 hrs	2	1	1 x 2 = 2 hrs	5 hrs
2		Power System	3 hrs	-----	-----	-----	3 hrs
3		Electromagnetic Fields	4 hrs	-----	-----	-----	4 hrs
4		Programming Techniques & Simulation	3 hrs	2	1	1 x 2 = 2 hrs	5 hrs
5	IV Sem B	Electrical machines-I	3 hrs	2	1	1 x 2 = 2 hrs	5 hrs
6		Power System	3 hrs	-----	-----	-----	3 hrs
7		Electromagnetic Fields	4 hrs	-----	-----	-----	4 hrs
8		Programming Techniques & Simulation	3 hrs	2	1	1 x 2 = 2 hrs	5 hrs
9	VI Sem A	Computer Applications in Power System	4 hrs	2	1	1 x 2 = 2 hrs	6 hrs
10		Switch gear & protection	4 hrs	2	1	1 x 2 = 2 hrs	6 hrs
11		Open electives-I (Solar PV)	3 hrs	-----	-----	-----	3 hrs
12		Professional elective-II (EDTC)	3 hrs	-----	-----	-----	3 hrs
13	VI Sem B	Computer Applications in Power System	4 hrs	2	1	1 x 2 = 2 hrs	6 hrs
14		Switch gear & protection	4 hrs	2	1	1 x 2 = 2 hrs	6 hrs
15		Open electives-I (Solar PV)	3 hrs	-----	-----	-----	3 hrs
16		Professional elective-II (EDTC)	3 hrs	-----	-----	-----	3 hrs
17	VIII Sem	EHV AC & HVDC	4 hrs	-----	-----	-----	4 hrs
		Computer Applications in Power System	5 hrs	2	1	1 x 2 = 2 hrs	7 hrs
		Electrical Distribution System	4 hrs	-----	-----	-----	4 hrs
		Switch Gear & Protection	5 hrs	2	1	1 x 2 = 2 hrs	7 hrs

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Subject Distribution (Semester wise)2022-23 (EVEN)
BE Electrical

Sr. No.	Semester	Name of Subject /Practical	Name of Faculty
1	IV Sem A	Electrical machines-I	Prof. Akshay Pillewan
		Electrical machines-I Practical	Prof. Akshay Pillewan
		Power System	Prof. Manish Agrawal
		Electromagnetic Fields	Prof. Vaishali Dhanwate
2	IV Sem B	Programming Techniques &Simulation	Prof. Harshal Ghatole
		Electrical Machines-I	Prof. Akshay Pillewan
		Electrical machines-I Practical	Prof. Akshay Pillewan
		Power System	Prof. Manish Agrawal
3	VI Sem A	Electromagnetic Fields	Prof. Vaishali Dhanwate
		Programming Techniques &Simulation	Prof. Harshal Ghatole
		Computer Applications in Power System	Prof. Manish Agrawal
		Switch gear & protection	Prof. Diksha Khare
		Open electives-I (Solar PV)	Prof. Harshal Ghatole
4	VI Sem B	Professional elective-II (EDTC)	Prof. Akshay Pillewan
		Computer Applications in Power System Practical	Prof. Harshal Ghatole
		Switch gear & protection Practical	Prof. Swati Gajbhiye
		Computer Applications in Power System	Prof. Swati Gajbhiye
		Switch gear & protection	Prof. Diksha Khare
5	VIII Sem	Open electives-I	Prof. Harshal Ghatole
		Professional elective-II (EDTC)	Prof. Akshay Pillewan
		Computer Applications in Power System Practical	Prof. Harshal Ghatole
		Switch gear & protection Practical	Prof. Swati Gajbhiye
		EHV AC & HVDC	Prof. Saniya Khan
		Computer Applications in Power System	Prof. Swati Gajbhiye
		Electrical Distribution System	Prof. Rajendra Bombe

S. M. B.
Principal

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Switch Gear & Protection	Prof. Diksha Khare
Computer Applications in Power System Practical	Prof. Harshal Ghatole
Switch gear & protection Practical	Prof. Swati Gajbhiye
Project	Prof. Rajendra Bhombe, Prof. Diksha Khare, Prof. Akshay Pillewan, Prof. Manish Agrawal, Prof. Swati Gajbhiye, Prof. Harshal Ghatole, Prof. Saniya Khan

Faculty wise Load

Sr. No.	Name of Faculty	Semester	Subject	Theory			Project		Total
				UG	UG	UG	PG		
1	Prof. R.M. Bhombe	VIII	EDS, Project	UG	UG	UG	PG		
2	Prof. Diksha Khare	VIII, VI A, VI B	SGP (Th), SGP (Th), Project	4		2	4	11	
3	Prof. Akshay Pillewan	VIII, VI A, VI B IV Sem A, IV Sem B	EDTC, Electrical machines-I, Electrical machines-I(Lab) Project	9		2	4	15	
4	Prof. Manish Agrawal	VI A, VI B, IV Sem A, IV Sem B	CAPS (Th), Power System, Project	6	2			10	
5	Prof. Swati Gajbhiye	VIII, VI A, VI B, FY	CAPS (Th), SGP (Lab), SGP (Lab), BEE(Th), Project	7	4	2		13	
6	Prof. Harshal Ghatole	VIII, VI A, VI B	Open Ele(Th, PTS (Th), PTS (Lab), CAPS (Lab), CAPS (Lab), Project	6	4	2		12	
7	Prof. Saniya Khan	VIII, FY	EHV AC & HVDC, BEE(Th), BEE(Th),	8				8	
8	Prof. Vaishali Dhanwate	IV Sem A, IV Sem B	EMF(Th), BEE(Th),	6	2			8	
Total				53	12	12	8	85	

HoD, EE

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Sr. No.	Semester	Subject	Theory (Hrs)	Practical (Hrs)	Batch	Total Practical Hours	Total Load
1	2 nd Sem ASH	Basic of Electrical Engineering (Sec A)	2 hrs	-----	---	---	2 hrs
		Basic of Electrical Engineering (Sec B)	2hrs	-----	---	---	2 hrs
		Basic of Electrical Engineering (Sec C)	2 hrs	-----	---	---	2 hrs
		Basic of Electrical Engineering (Sec D)	2 hrs	-----	---	---	2 hrs
Total			2 hrs	-----	---	---	8 hrs

Total Faculty Required = $\frac{\text{Total Load}}{\text{Contact Hours per faculty}} = \frac{150+8}{20} = 7.9$

Sr. No.	Semester	Subject	Department	Theory (Hrs)	Practical		Total Practical Hours	Total Load
					Practical (Hrs)	Practical Batches		
1	IV Sem A	Signal & Systems	ETC	4 hrs	-----	-----	-----	4 hrs
		Digital Electronics			-----	-----	-----	
2	IV Sem B	Signal & Systems	ETC	3 hrs	2	1	1 x 2 = 2 hrs	5 hrs
		Digital Electronics			-----	-----	-----	4 hrs
3	VI Sem A	Engineering Economics & Management	MBA	3 hrs	2	1	1 x 2 = 2 hrs	5 hrs
		Yoga & Meditation			-----	-----	-----	3 hrs
4	VI Sem B	Engineering Economics & Management	SPORTS	2 hrs	-----	-----	-----	2 hrs
		Yoga & Meditation			MBA	3 hrs	-----	-----
Total			SPORTS	2 hrs			-----	-----
					-----	-----	-----	2 hrs
					-----	-----	-----	28 hrs

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 Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



Sr. No.	Semester	Name of Subject /Practical	Name of Faculty
1	IV Sem A	Electrical machines-I	Prof. Akshay Pillewan
		Electrical machines-I Practical	Prof. Akshay Pillewan
		Power System	Prof. Manish Agrawal
		Electromagnetic Fields	Prof. Harshal Ghatole
2	IV Sem B	Electrical Machines-I	Prof. Akshay Pillewan
		Electrical machines-I Practical	Prof. Akshay Pillewan
		Power System	Prof. Manish Agrawal
		Electromagnetic Fields	Prof. Harshal Ghatole
3	VI Sem A	Computer Applications in Power System	Prof. Manish Agrawal
		Switch gear & protection	Prof. Diksha Khare
		Open electives-I (Solar PV)	Prof. Harshal Ghatole
		Professional elective-II (EDTC)	Prof. Akshay Pillewan
		Computer Applications in Power System Practical	Prof. Harshal Ghatole
		Switch gear & protection Practical	Prof. Swati Gajbhiye
4	VI Sem B	Computer Applications in Power System	Prof. Swati Gajbhiye
		Switch gear & protection	Prof. Diksha Khare
		Open electives-I	Prof. Harshal Ghatole
		Professional elective-II (EDTC)	Prof. Akshay Pillewan
		Computer Applications in Power System Practical	Prof. Harshal Ghatole
		Switch gear & protection Practical	Prof. Swati Gajbhiye
5	VIII Sem	EHV AC & HVDC	Prof. Saniya Khan
		Computer Applications in Power System	Prof. Swati Gajbhiye
		Electrical Distribution System	Prof. Rajendra Bhombe
		Switch Gear & Protection	Prof. Diksha Khare
		Computer Applications in Power System Practical	Prof. Harshal Ghatole
		Switch gear & protection Practical	Prof. Swati Gajbhiye
Project	Prof. Rajendra Bhombe, Prof. Diksha Khare Prof. Akshay Pillewan, Prof. Manish Agrawal, Prof. Swati Gajbhiye, Prof. Harshal Ghatole		

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
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Dahegaon, Kalmeshwar Road, Nagpur - 441501. Phone No. 07118-661400
NAAC Accredited
Session 2022-2023(ODD Sem)
Department of Electrical Engineering

Faculty Requirement & Teaching Load Calculation (odd semester)

Sr. No.	Semester	Subject	Theory (Hrs)	Practical (Hrs)	Batch	Total Practical Hours	Total Load
1	3 rd Sem EE	Network Analysis	4 hrs	2 hrs	3	6	10 hrs
		Electrical Measurement & Instrumentation	4 hrs	2 hrs	3	6	10 hrs
		Renewable Energy studies	3 hrs	-----	----	----	3 hrs
2	5 th Sem EE	Power electronics	4 hrs	2 hrs	3	6	10 hrs
		Open elective -I	3 hrs	-----	----	----	3 hrs
		Professional elective-I	3 hrs	-----	----	----	3 hrs
3	7 th Sem EE	Control System-II	5 hrs	-----	----	----	5 hrs
		Electrical Power System -II	5 hrs	-----	----	----	5 hrs
		Elective -I	4 hrs	-----	----	----	4 hrs
		High Voltage Engineering	5 hrs	2 hrs	3	6	11 hrs
		Electrical Installation Design	5 hrs	2 hrs	3	6	11 hrs
		Project Seminar	-----	3 hrs	12	36	36 hrs
Total							111 hrs


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
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Load Summary of other Departments

Sr. No.	Department	Load in Hrs
1.	ETC	34
2.	CSE	18
3.	MBA	06
4	SPORTS	04
Total		62


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 Dahegaon, Kalmeshwar Road, Nagpur - 441501. Phone No. 07118-661400
 Department of Electrical Engineering
 Session 2022-23
 Teaching Load Calculation BE (Even semester)
 BE and BTech

Sr. No.	Semester	Subject	Theory (Hrs)	Practical		Total Practical Hours	Total Load
				Practical (Hrs)	Practical Batches		
1	IV Sem A	Electrical machines-I	3 hrs	2	3	3 x 2 = 6 hrs	9 hrs
2		Power System	3 hrs	-----	-----	-----	3 hrs
3	IV Sem B	Electrical machines-I	3 hrs	2	3	3x 2 = 6hrs	9 hrs
4		Power System	3 hrs	-----	-----	-----	3 hrs
5	VI Sem A	Computer Applications in Power System	4 hrs	2	3	3 x 2 = 6 hrs	10 hrs
6		Switch gear & protection	4 hrs	2	3	3 x 2 = 6 hrs	10 hrs
7		Open electives-I (Solar PV)	3 hrs	-----	-----	-----	3 hrs
8	VI Sem B	Professional elective-II (EDTC)	3 hrs	-----	-----	-----	3 hrs
9		Computer Applications in Power System	4 hrs	2	3	3 x 2 = 6 hrs	10 hrs
10		Switch gear & protection	4 hrs	2	3	3 x 2 = 6 hrs	10 hrs
11		Open electives-I (Solar PV)	3 hrs	-----	-----	-----	3 hrs
12	VIII Sem	Professional elective-II (EDTC)	3 hrs	-----	-----	-----	3 hrs
13		EHV AC & HVDC	4 hrs	-----	-----	-----	4 hrs
14		Computer Applications in Power System	5 hrs	2	3	3 x 2 = 6hrs	11 hrs
15	VIII Sem	Electrical Distribution System	4 hrs	-----	-----	-----	4 hrs
16		Switch Gear & Protection	5 hrs	2	3	3 x 2 = 6 hrs	11 hrs
17	VIII Sem	Project	-----	6	12	12x 6 = 72hrs	72 hrs
Total							178 hrs

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
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Load Summary of other Departments

Sr. No.	Department	Load in Hrs
1.	ETC	26
2.	CSE	10
3.	MBA	06
4.	SPORTS	04
Total		46


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GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY

Dahegaon, Kalmeshwar Road, Nagpur - 441501. Phone No. 07118-661400

Department of Electrical Engineering

Session 2022-23

Teaching Load Calculation BE (Even semester) (Actual)

BE and BTech

Sr. No.	Semester	Subject	Theory (Hrs)	Practical		Total Practical Hours	Total Load
				Practical (Hrs)	Practical Batches		
1	IV Sem A	Electrical machines-I	3 hrs	2	1	1 x 2 = 2 hrs	5 hrs
2		Power System	3 hrs	-----	-----	-----	3 hrs
3	IV Sem B	Electrical machines-I	3 hrs	2	1	1x 2 = 2hrs	5hrs
4		Power System	3 hrs	-----	-----	-----	3 hrs
5	VI Sem A	Computer Applications in Power System	4 hrs	2	1	1 x 2 = 2 hrs	6 hrs
6		Switch gear & protection	4 hrs	2	1	1 x 2 = 2hrs	6 hrs
7		Open electives-I (Solar PV)	3 hrs	-----	-----	-----	3 hrs
8		Professional elective-II (EDTC)	3 hrs	-----	-----	-----	3 hrs
9	VI Sem B	Computer Applications in Power System	4 hrs	2	1	1 x 2 = 2 hrs	6 hrs
10		Switch gear & protection	4 hrs	2	1	1 x 2 = 2 hrs	6 hrs
11		Open electives-I (Solar PV)	3 hrs	-----	-----	-----	3 hrs
12		Professional elective-II (EDTC)	3 hrs	-----	-----	-----	3 hrs
13	VIII Sem	EHV AC & HVDC	4 hrs	-----	-----	-----	4 hrs
14		Computer Applications in Power System	5 hrs	2	1	1 x 2 = 2hrs	7 hrs
15		Electrical Distribution System	4 hrs	-----	-----	-----	4 hrs
16		Switch Gear & Protection	5 hrs	2	1	1 x 2 = 2 hrs	7 hrs
17		Project	-----	2	12	12x 2 = 24hrs	24 hrs
Total							98 h rs

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Faculty wise Load

Sr. No.	Name of Faculty	Semester	Subject	Faculty wise Load				Total
				Theory	Practical	Project		
				UG	UG	UG	PG	
1	Prof. R.M. Bhombe	VIII	EDS, Project	UG	UG	UG	PG	7
2	Prof. Diksha Khare	VIII, VI A, VI B	SGP (Th), SGP (Th), Project	4		2	1	7
3	Prof. Akshay Pillewan	VIII, VI A, VI B IV Sem A, IV Sem B	EDTC, Electrical machines-I, Electrical machines-I(Lab) Project	9		2	1	12
4	Prof. Manish Agrawal	VI A, VI B, IV Sem A, IV Sem B	CAPS (Th), Power System, Project	6	2	2		10
5	Prof. Swati Gajbhiye	VIII, VI A, VI B, FY	CAPS (Th), SGP (Lab), SGP (Lab), BEE(Th), Project	8		2		10
6	Prof. Harshal Ghatole	VIII, VI A, VI B	CAPS (Th), SGP (Lab), SGP (Lab), BEE(Th), Project	7	4	2		13
7	Prof. Harshal Ghatole	VIII, VI A, VI B	Open Ele(Th), EMF(Th), CAPS (Lab), CAPS (Lab), Project	7	4	2		13
8	Prof. Saniya Khan	VIII, FY	EHV AC & HVDC, BEE(Th),	6				4
8	Prof. XYZ	FY	BEE(Th),	4				4
Total				51	10	12	2	73

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Load of Other Department

Sr. No.	Semester	Subject	Theory (Hrs)	Practical (Hrs)	Batch	Total Practical Hours	Total Load
1	2 nd Sem ASH	Basic of Electrical Engineering (Sec A)	3 hrs	-----	----	----	3 hrs
		Basic of Electrical Engineering (Sec B)	3 hrs	-----	----	----	3 hrs
		Basic of Electrical Engineering(GNIT)	3 hrs	-----	----	----	3 hrs
		Total					9 hrs

Total Faculty Required = $\frac{\text{Total Load}}{\text{Contact Hours per faculty}} = \frac{111+9}{20} = 6$

Faculty Available = 07

Faculty Required for Session 22-23 = Nil

Load from Other Department

Sr. No.	Semester	Subject	Department	Theory (Hrs)	Practical (Hrs)	Batch	Total Practical Hours	Total Load
1	3 rd Sem	Electrical Engineering Mathematics	ASH	4 hrs	-----	----	----	4 hrs
2	3 rd Sem	Analog Devices & Circuits	ETC	4 hrs	2 hrs	3	6	10 hrs
3	3 rd Sem	Introduction to Python programming	CSE	1 hrs	2 hrs	3	6	7 hrs
4	3 rd Sem	Environmental studies	ASH	1 hrs	-----	----	----	1 hrs
5	5 th Sem	Microprocessor & Microcontroller	ETC	4 hrs	2 hrs	3	6	10 hrs
6	5 th Sem	Control systems	ETC	4 hrs	2 hrs	3	6	10 hrs

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