



SUPPORTING DOCUMENTS NAAC AQAR: 2020-21

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Attachment: Supporting Documents for:

Practice No. 1 - MENTORING SYSTEM FOR STUDENTS

Practice No. 2 - TEACHING – LEARNING PROCESS

IMS ENGINEERING COLLEGE, GHAZIABAD
DEPARTMENT OF APPLIED SCIENCES & HUMANITIES

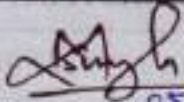
Mentor & class Co-ordinator

2020-21 EVEN SEM

SECTION	Room No	Batch	COORDINATORS NAME	Mobile No	Re
Sec A	A-118	B1	Dr. R.K Chauhan	09873479813	✓
		B2	Ms.Vinita	08882050932	✓
Sec B	A-120	B1	Manish Kr. Singh	09718859438	✓
		B2	Dr. Jasvendra Tyagi	09540922878	✓
Sec C	A-218	B1	Dr. Chetna Sharma	09456679412	✓
		B2	Mr. Manoj Kumar		✓
Sec D	A-219	B1	Dr. Mohit Rastogi	09457171459	✓
		B2	Mr. Deepak Kumar	09568191579	✓
Sec E	A-214	B1	Dr. K.V.S. Sundari	09312177271	✓
		B2	Mr.Suveg Moudgil	09896467311	✓
Sec F	A-013	B1	Mr.Neeraj Jain	08588806531	✓
		B2	Dr. Arvind Kr. Sharma	09911245278	✓
Sec G	A-216	B1	Ms. Mayurika Saxena	09310496960	✓
		B2	Dr.Renuka	09650474879	✓
Sec H	A-217	B1	Dr. Raza Rasool	09313561957	✓
		B2	Mr. V.k Jain	08447732815	✓

2020-21

Chief Mentor - Dr. Vanita Sharma


 Dr. Manoj Kumar Singh
 (Dean AS&H)

No.	Section	Roll No.	Name	Father Name	Student ID	Mentor Name	Remarks/Issues	Comments done with the students/parents	Remarks by CA/Mentor
1	A	2001430100008	ABHINAV KUMAR	OMKAR SINGH	639656440	Dr. R. K. Chaudh	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
2	A	2001430100010	ABHINAV PATEL	ARVIND KUMAR	845980366	Dr. R. K. Chaudh	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
3	A	2001430100014	ABHISHEK PARAS	MAHENDERPAL	9758211350	Dr. R. K. Chaudh	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
4	A	2001430100020	ADITYA KUMAR YADAV	VEED KUMAR YADAV	888790089	Dr. R. K. Chaudh	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
5	A	2001430100030	AJASH KUMAR KUSHWARRA	KASHINATH KUSHWARRA	901068668	Dr. R. K. Chaudh	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
6	A	2001430100036	AMAN KUMAR CHALMAN	Shyam Babu Chahalani	881858608	Ms. Vinita	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
7	A	2001430100039	AMARDEEP KUMAR	Sudh Kumar	8757807474	Ms. Vinita	Academic performance	2 ticks in 1st sem (Maths and Chem). Attendance is okay. Advised to study hard and do all the remedial classes on regular basis now. Write down all the topics which are not well understood by the student.	
8	A	2000430100043	ANKUR YADAV	Shri Raju Vishal Yadav	6306992040	Ms. Vinita	Academic performance	3 ticks in 1st sem (Chem, Maths, Mechanics). Attendance is okay. Advised to study hard and do all the remedial classes on regular basis now. Write down all the topics which are not well understood by the student.	
9	A	2000430100060	ARYAN SINGH	Suresh Singh	6267617011	Ms. Vinita	Academic performance	2 ticks in 1st sem (Electronics, Maths, Mechanics). Attendance is not there. Advised to study hard and do all the remedial classes on regular basis now. Write down all the topics which are not well understood by the student.	Low attendance due to health problem of Grand Father, I suggest hard work for better result.
10	A	2001430100062	ARYMAN SINGH	Ravishan Prasad Singh	8642648134	Ms. Vinita	Academic performance	Attendance is okay. Advised to study hard and do all the remedial classes on regular basis now. Write down all the topics which are not well understood by the student.	
11	A	2001430100063	ASHHAD KHALIL FAROOQ	Noora Raheem Farooq	9702504248	Ms. Vinita	Academic performance	Advised him to work hard and attend all classes on regular basis	
12	B	2001430100067	ASTHA SINGH	VIPIN KUMAR	8318702122	Manish K. Singh	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
13	B	2001430100070	AYUSH PRATAP SINGH	HANISH PRATAP SINGH	7398600647	Manish K. Singh	Academic performance	She is regular in class, but advised him to work hard so that he can achieve good grades	
14	B	2001430100074	AYUSH SAHANI	AMENDRA KUMAR	9056664371	Manish K. Singh	Academic performance		

16	B	2004000887	DEBDEV PARMAR	DEWENDER PAL	654342147	Manish K. Singh	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
17	B	20040010006	DEVI DHANWANI	EROSHNA KUNAR JAINWAL	740076649	Dr. Jeevendra Tyagi	Academic performance	Talk to Father, Advised him to work hard and attend all classes on regular basis	
18	B	20040010009	HARSHIT PANDAY	SOMNATH PANDAY	733992486	Dr. Jeevendra Tyagi	Academic performance	Talk to sister, Advised him to work hard and attend all classes on regular basis	over back in Electronics, I advise to hard work because he can achieve good percentage.
19	B	20040010012	HIMANSHU TIWARI	SUNIL TIWARI	665483533	Dr. Jeevendra Tyagi	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
20	B	20040010014	HITESH CHOUDHARY	V. KESHU KUMAR	840912443	Dr. Jeevendra Tyagi	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
21	B	20040010015	HITESH PRATAP YADAV	RAVSHREYA PRATAP YADAV	708596604	Dr. Jeevendra Tyagi	Academic performance	Due to Covid positive less number of classes attend advise him to work hard and ask any doubt	
22	B	20040010018	KARAN CHAUDHARY	VYKAS CHAUDHARY	981828401	Dr. Jeevendra Tyagi	Academic performance	Due to Covid positive and specialise at home less number of classes attend advise him to work hard and ask any doubt	
23	B	20040010011	KHETIJI SINGH	VEDYA SHANKAR SINGH	884091287	Dr. Jeevendra Tyagi	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
24	B	20040010014	LAKSHAY VERMA	SUNIL VERMA	730272645	Dr. Jeevendra Tyagi	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
25	B	20040010018	LALIT MOHAN	ASHWANI KUMAR	707826194	Dr. Jeevendra Tyagi	Academic performance	Talk to Father, Advised him to work hard and attend all classes on regular basis	
26	B	20040010019	LALIT SHARMA	GEYTRISHAN RAM	708601282	Dr. Jeevendra Tyagi	Academic performance	Talk to Father, Advised him to work hard and attend all classes on regular basis	
27	B	20040010022	MAHISHA JAINWAL	RAJESH KUNAR JAINWAL	812911196	Dr. Jeevendra Tyagi	Academic performance	Advised him to work hard in all subjects, ask doubts if any	
28	C	20040010032	MADHURJAY PATEL	RAJESH PATEL	480841301	Pradeep Kumar	Academic performance	Advised him to work hard and attend all classes on regular basis	
29	C	20040010033	RAMAN RAJPUT	RAKSHA RAMAN SINGH	480885194	Pradeep Kumar	Academic performance	Advised him to work hard and do all assignments properly, ask doubts if any	
30	C	20040010034	HEERAJ JAINWAL	KUNWASH CHAUDHARY	740147542	Pradeep Kumar	Academic performance	Not responding, will try to contact again	

Manish

31	C	2001430100139	MANISH GROVER	MANISH CHANDRA GROVER	958224871	Passing Exam	Academic performance	He is regular in class, but advised him to work hard so that he can achieve good grades.	He is regular in class, but advised him to work hard so that he can achieve good grades.
32	C	2001430100140	OM PRAKASH KUSHWAHA	SATYENDRA KUSHWAHA	619401061	Passing Exam	Academic performance	Advised him to attend classes on regular basis, do all assignments properly, visit respective teachers if any doubt.	
33	C	2001430100142	PARDESHI		790368115	Passing Exam	Academic performance	He is suffering with fever, advised him to take proper rest and work hard to achieve good grades, visit teachers if any doubt.	
34	C	2001430100143	PARTI SHARMA		9756503923	Passing Exam	Academic performance	Advised him to attend classes on regular basis and work hard.	
35	C	2001430100151	PRAKASH PANDEY		6306190736	Passing Exam	Academic performance	Advised him to work hard and do all assignments properly, visit teachers if any doubt.	
36	C	2001430100162	PRATHAM S. SARKARWAT		9148840966	Manag Exam	Academic performance	Advised him to work hard and secure good marks. Ask your respective teacher if any doubt.	
37	C	2001430100173	RAVINDRA		7913324232	Manag Exam	Academic performance	Advised him to work hard and secure good marks. Ask your respective teacher if any doubt.	
38	C	2001430100175	RAVINDRA KUMAR YADAV		9333333245	Manag Exam	Academic performance	Not attend in CT1 and also less attendance. Advised him to work hard and submit all the assignments if any doubt, ask your concerned teacher.	
39	C	2001430100176	RITESH PATEL		9413994930	Manag Exam	Academic performance	Advised him to work hard and secure good marks. Ask your respective teacher if any doubt.	
40	C	2001430100180	ROHAN GAUR		9136192403	Manag Exam	Academic performance	Advised him to work hard and secure good marks. Ask your respective teacher if any doubt.	
41	C	2001430100184	SAJEE RAJ		9413176381	Manag Exam	Academic performance	Counselled him to be focused to attain good marks in PUT and Internal as he had shown average performance in CT1 and CT2. The performance affected due to lack of attendance is suggested to be in contact of subject teachers for doubt clearance.	
42	C	2001430100190	SANKHAR CHAUDHARY		8287228902	Manag Exam	Academic performance	Not responding, will try to contact again.	
43	D	2001430100193	SATYAM KUMAR		7084322900	Mini Exam	Academic performance	His attendance is low due to Network issue in his area (travel area of Jammu). Counselled him to be focused to attain good marks in PUT and External exam. Advised him to talk your concerned teacher if any doubt.	
44	D	2001430100194	SHAKSHITH TYAGI		6993318120	Mini Exam	Academic performance	He got the back in 2 subjects (Maths and Electronics) in previous semester so counselled him to work very hard for good result in PUT and University exam. Advised him to talk your concerned teacher if any doubt.	
45	D	2001430100199	SHASHWAT KAPOOR		9415574572	Mini Exam	Academic performance	He got the back in 1 subject (Maths) in previous semester. Suggested him to work very hard for good result in PUT and University exam. If any doubt, ask your concerned teacher.	

Signature

46	D	2001430100200	SHIVA SHARMA	MUREMI KUMAR	8727713967	Maha Ranjag	Academic performance	He is slow pace in previous semester. He has to be less careful approach towards study. Advised her to work very hard for good result in PUT and University exam and also suggest to talk your concerned teacher if any doubt.
47	D	2001430100200	SHIVAM PATRAK	TREKHUWAH NATH PATRAK	9170100389	Maha Ranjag	Academic performance	He got back in 1 subject (Electronic) in previous semester. Advised her to work hard to secure good marks. If any doubt, talk your concerned teacher.
48	D	2001430100200	SHUBHAM SARANE	RIKRU SARANE	8024081417	Maha Ranjag	Academic performance	He got back in 1 subject (Maths) in previous semester. Advised her to work hard to secure good marks. Ask your respective teacher if any doubt.
49	D	2001430100216	SRESHTI	PRANDEEP KUMAR DWARI	638622962	Maha Ranjag	Academic performance	Regular student but got back in 1 subject (Maths) in previous semester. Advised her to work hard to secure good marks. Ask your respective teacher if any doubt.
50	D	2001430100223	TANISHKA CHAUDHARY	MAJENDRA SINGH	987070219	Maha Ranjag	Academic performance	Regular student but got back in 1 subject (Maths) in previous semester. Advised her to work hard to secure good marks. Ask your respective teacher if any doubt.
51	D	2001430100234	TARU GAUR	VISHN SHARMA	9310104798	Maha Ranjag	Academic performance	Casual student. Not submitting the assignment on time. Advised to study hard and do submit all the assignments. If any doubt, talk your concerned teacher.
52	Di	2001430100226	TUNBAR PANDEY	SHYAM MOHAN PANDEY	885813417	Deepak Kumar	Academic performance	It is suggested that focus on short type questions assigned by all subject teacher.
53	D	2001430100227	TUSHAR YADAV	VIJAY LAL YADAV	835487334	Deepak Kumar	Academic performance	It is suggested that focus on theoretical portion of subject.
54	D	2001430100233	VEDYADHAR CHAUDHARY	KAMRAVESH CHAUDHARY	7518235631	Deepak Kumar	Academic performance	His attendance is low due the non submission of test as it advised that focus on theoretical portion and try to solve example of subject.
55	D	2001430100234	VIKALP BAJPA	RUNU KUNAR BAJPA	8391167747	Deepak Kumar	Academic performance	Regular student but got back in 1 subject (Maths) in previous semester. Advised her to work hard to secure good marks. Ask your respective teacher if any doubt.
56	D	2001430100235	VIKAS	VIBRAM SINGH	801810038	Deepak Kumar	Academic performance	It is advised him to work hard to secure good marks.
57	D	2001430100243	VISHAL SINGH	KAMRISH SINGH	8318467986	Deepak Kumar	Academic performance	His attendance is low due network and focus on MCQ type question of each subject.
58	D	2001430100246	YADVENDRA SHARMA	T K SHARMA	8711712435	Deepak Kumar	Academic performance	poor attendance as it is suggested that try to solve the numerical problem in MCQ question bank.
59	D	2001430100247	YASH CHAUDHARY	ROH SINGH	9818829864	Deepak Kumar	Academic performance	It is advised him to work hard to secure good marks.
60	D	2001430100248	YASH KUNAR GUPTA	MAJENDRA PRASAD GUPTA	925643921	Deepak Kumar	Academic performance	He did not submit the assignments. Advised to study hard and submit all remaining assignments.

Signature

6	200141E+12	ADREBA	KARISHAN	907907115	Dr. Soodar	Academic performance	contacted and advised to study carefully
7	200141E+12	ADITYA TYAGI	ARVIND TYAGI	805078284	Dr. Soodar	Academic performance	not answered
8	200141E+12	AFFAN SIDDIQI	JAVED KAMBER SIDDIQI	707888890	Dr. Soodar	Academic performance	not answered
44	200141E+12	AKASH SINGH	ASHOK KUMAR SINGH	704859151	Dr. Soodar	Academic performance	contacted and advised to study carefully
45	200141E+12	ANAND KUMAR UPADHYAY	SURENDRA UPADHYAY	638975021	Dr. Soodar	Academic performance	have maths problem always
46	200141E+12	ARYAMAN HEWAL	SURESH PAL	839369793	Dr. Soodar	Academic performance	contacted and advised to study carefully
47	200141E+12	ATRESH DEBT	ANJAN KANTAN DODI	659114547	Dr. Soodar	Academic performance	have maths problem always
48	200141E+12	CHHOTU BHANGWAR	RAGHUVYER SINGH	704883284	Dr. Soodar	Academic performance	contacted and advised to study carefully
49	200141E+12	CHANDRUP SINGH	NAKSHTRA SINGH	971109063	Sveeg Moudgil	Academic performance	Advised him to study well and submit assignments
50	200141E+12	CHITRAY GALE	R. S. GALE	911389317	Sveeg Moudgil	Academic performance	Advised him to work hard and do all assignments properly, for any doubt consult subject teachers
71	200141E+12	ERIT AKTIS DUBEY	VISHU KUMAR DUBEY	956691021	Sveeg Moudgil	Academic performance	Advised him to work hard and do all assignments properly, Told him about paper pattern and university guidelines for Exam
72	200141E+12	HARSHATRA RAJWAL	PIYUSH KASTOGE	937966913	Sveeg Moudgil	Academic performance	Advised him to study well and submit assignments, No doubts in subjects
73	200141E+12	ARVIND KUMAR BATI	ROOPKANT BATI	966766104	Sveeg Moudgil	Academic performance	Laptop not working, Asked him to get it working for PUT and university exam, No doubts in subjects, Asked him to prepare well
74	200141E+12	ADARSH	RAKESH CHAUDHAN	911964977	Dr. Soodar	Academic performance	contacted and advised to study carefully in a consistent
75	200141E+12	CHANDAN TYAGI	CHANDAN TYAGI	7077091064	Dr. Soodar	Academic performance	not answered, but he may have back, there were calls made to him then he said that he doesn't want to do

IMS Engineering College, Ghosia
Department of Applied Science & Humanities
SECTION - A (BI Batch)
Online Counselling Details held on 17-05-2021

S.No.	AKTU Roll No.	Student's Name	Father's Name	Student Contact No.	Student's Email ID	Online Counselling Details (Communication done with the students/parents)
1	20043010000	AADHYA GUPTA	RAJESH KUMAR GUPTA	832788000	adhyagupta06@gmail.com	She and her family members are fine and OK
2	20043010002	AASHTA AGARWAL	MANISH KUMAR AGARWAL	9149127666	mathagrawal108@gmail.com	
3	20043010005	AASHTA TIWARI	MANISH TIWARI	9718248784	ashta2tiwari@gmail.com	Aashta Tiwari and her Mother were suffering from Corona (Asymptomatic). But now everyone is fine and OK
4	20043010004	AAYUSH CHAUDHARI	SHYAM SUNDER	987855243	ayusha17@gmail.com	She and her family members are fine and OK
5	20043010007	ABHI JAINWAL	SARVESH JAINWAL	9489179545	jainwalaabhi109@gmail.com	He and his family members are fine and OK
6	20043010006	ABHINAV BALLYAN	HEM BALLYAN	9154403458	abhinavbalyan4387@gmail.com	He and his family members are fine and OK
7	20043010007	ABHINAV CHAUHAN	SHYAM SUNDER	916248489	abhinav2003@gmail.com	He and his family members are fine and OK
8	20043010008	ABHINAV KUMAR	ANIL KUMAR	839656466	abhi7248051@gmail.com	Everybody (including Abhinav) in his family are infected from Corona and are in home isolation.
9	20043010009	ABHINAV SAXENA	NADESH SAXENA	8938271368	saxenabhinav01@gmail.com	He and his family members are fine and OK
10	20043010010	ABHINAV PATEL	HEMENDR KUMAR	8479821568	abhi2003by@gmail.com	He and his family members are fine and OK
11	20043010011	ABHISHEK	RAVESH DATTA SHARMA	8491227111	apsharma123@gmail.com	
12	20043010012	ABHISHEK	VIKAS KUMAR	8768279791	abhishek_sak7655@gmail.com	He and his family members are fine and OK
13	20043010013	ABHISHEK CHATURVEDI	ALAKH CHATURVEDI	8848717581	abhishekchaturvedi291@gmail.com	He and his family members are fine and OK
14	20043010014	ABHISHEK KUMAR YADAV	SHYAM SUNDER YADAV	8814911178	abhishekyadav0112@gmail.com	He and his family members are fine and OK
15	20043010015	ABHISHEK KUMAR SINGH	KUNAL SINGH SINGH	7275821734	abhishek68@gmail.com	He and his family members are fine and OK
16	20043010016	ABHISHEK PARAS	MAHENDR PAL	8738211780	abhishekin1358@gmail.com	Everybody (including Abhishek) in his family are very sick.
17	20043010017	ABHISHEK SINGH	SHYAM SUNDER SINGH	908468800	yadavabhi729@gmail.com	
18	20043010018	ADITYA KUMAR	ANIL KUMAR	9007916648	aditya03736@gmail.com	He and his family members are fine and OK
19	20043010019	ADITYA KUMAR	VIKAS SINGH	9899120331	adityasingh_singh064@gmail.com	He and his family members are fine and OK
20	20043010020	ADITYA KUMAR YADAV	VIKAS KUMAR YADAV	8387668886	ay81792@gmail.com	He and his family members are fine and OK
21	20043010021	ADITYA MAHESHWARI	HEMENDR KUMAR MAHESHWARI	8445149934	aditya_nak37@gmail.com	He and his family members are fine and OK
22	20043010022	ADITYA PRATAP SALLI	CHANDRA KUMAR SALLI	9118119428	adityapratap2002@gmail.com	He and his family members are fine and OK
23	20043010023	ADITYA PRATAP SINGH	SHYAM SUNDER SINGH	8188306700	adityapratap80@gmail.com	He and his family members are fine and OK
24	20043010024	ADITYA RAJPOOT	SAJID SHARAFPOOT	8488183337	adityarajpoot684@gmail.com	He and his family members are fine and OK
25	20043010025	ADITYA SINGH	ANIL KUMAR	9891184222	adityasingh69423@gmail.com	He and his family members are fine and OK
26	20043010026	ADITYA SINGH	CHANDR SINGH	7814014110	adityasingh9915@gmail.com	
27	20043010027	ADITYA VERMA	HEMENDR SINGH	9838623758	aditya4803@gmail.com	He and his family members are fine and OK
28	20043010028	ALAY	MAHESH SINGH	738281273	ajayverma2002003@gmail.com	He and his family members are fine and OK
29	20043010029	ALASH GUPTA	SHASHWANT GUPTA	9118283887	ayashkashyap@gmail.com	He and his family members are fine and OK
30	20043010030	ANSHU KUMAR KUMARWALA	RAMANDEEP KUMARWALA	9831888868	kumar11012003akw@gmail.com	He and his family members are fine and OK
31	20043010031	ANSHU PATIL	MAHESH KUMAR PATIL	9813888884	ankopatil2003@gmail.com	
32	20043010032	ANSHU AGARWAL	MAHESH KUMAR AGARWAL	9837188896	agrawalanshu824@gmail.com	He and his family members are fine and OK

Counselling Meet - 15 May 2021 (batch B2)

Sl. No.	Roll No.	Name	Email Id	Contact No.	Parent Contact No.	P/A	Remark
1	2001430100033	AKSHIT BEHWAG	akshbehwag@gmail.com	8171428803	8171428803		
2	2001430100034	AMANKANT PATILAK	amankantpatilak@gmail.com	9045898800	9045898800	P	✓
3	2001430100035	AMAN KUMAR	amankumar09@gmail.com	880079522	880079522		
4	2001430100036	AMAN KUMAR CHAUHAN	amankumarchauhan51@gmail.com	8058598038	8755819288		
5	2001430100037	AMAN KUMAR SOLLA	amanah44628552@gmail.com	8388802372	8388802372	P	✓
6	2001430100038	AMAN UPADHYAY	amanupa@yay2000@gmail.com	7378642862	788588138	P	✓
7	2001430100039	AMARDEEP KUMAR	amardeep875700@gmail.com	8707807474	8780747487		
8	2001430100040	AMRITYA RAJ	amru.amritya.raj@gmail.com	788881170	788881170	P	✓
9	2001430100041	ANAGH SHARMA	shamasanagh13@gmail.com	8387385481	8387385481	P	✓
10	2001430100042	ANANYA GUPTA	ananya_gupta12000@yahoo.com	7808528304	7808528304	P	✓
11	2001430100043	ANKIT YADAV	ankityadav@gmail.com	8112588137	8112588137		
12	2001430100044	ANITA SINGH	anitasingh940711@gmail.com	9898030223	7340384428	P	✓
13	2001430100045	ANKUR YADAV	ay12088@gmail.com	838902040	780980810	P	✓
14	2001430100046	ANMOL MISHRA	anmolmishra287@gmail.com	9140805023	8143805823		
15	2001430100047	ANSH SHARMA	anshsharma21111@gmail.com	735542435	735542435	P	✓
16	2001430100048	ANSHKA SAINI	anshkasaini405@gmail.com	780438517	780438517		
17	2001430100049	ANSHU SHARMA	anshu0028@gmail.com	9089028494	9089028494		
18	2001430100050	ANUSHAY KUMAR	anushaykumar032@gmail.com	908138138	908138138	P	✓
19	2001430100051	ANUSHAY KUMAR SEWASTAVA	anushaysewastava18000@gmail.com	8318037790	8318037790	P	✓
20	2001430100052	ANUSHAY SINGH CHAUHAN	anushaysingh0@gmail.com	788108875	788108875	P	✓
21	2001430100053	ANUSHAY VARDHNEY	anushayvardhney8@gmail.com	788098849	788098849	P	✓
22	2001430100054	ANUPRIYA YADAV	anupriya19@gmail.com	8388822185	8388822185	P	✓
23	2001430100055	ANURAG SEWASTAVA	anurag002@gmail.com	8788488173	8788488173	P	✓
24	2001430100056	APARANA SHARMA	aparana138@gmail.com	788115848	788115848	P	✓
25	2001430100057	ARJUN JARHAR	arjunjarhar@gmail.com	8448204818	8448204818	P	✓
26	2001430100058	ARPIKA SINGH	arpika8188@gmail.com	834054488	834054488	P	✓
27	2001430100059	ARUN KUMAR	arunkumar078@gmail.com	8848248144	8848248144		
28	2001430100060	ARYAN SINGH	aryan88aryan88@gmail.com	8287817031	7803522487		
29	2001430100061	ARYANT ADRAHARI			788880588		
30	2001430100062	ARYMAN SINGH	arymansingh00@gmail.com	8542848184	8542848184		
31	2001430100063	ASPHAL KHALL SARGOL	asphalt003@gmail.com	878584388	878584388		


ASL

Sl. No.	Roll No.	Batch	Name	Father Name	Student No.	Mentor List	Conversation
1	2001430100084	B1	ASHI TYAGI	VIPIN KUMAR	9046057090	Manish Kr. Singh	OK
2	2001430100085		ASHOK YADAV	PUMPAL SINGH	7404993060		OK
3	2001430100086		ASHUTOSH RANA	SANJEEV RANA	7300872330		NOT PICK CALL
4	2001430100087		ASTHA SINGH	SHARAT SINGH	7302355001		OK
5	2001430100088		ASTITVA SHUKLA	SANDEEPAN SHUKLA	9039797181		OK
6	2001430100089		AYUSH PRAKASH	OM PRAKASH	9035180067		OK
7	2001430100090		AYUSH PRATAP SINGH	SAMEER PRATAP SINGH	7399500647		OK
8	2001430100091		AYUSH SINGH	SANJAY SINGH	8957741744		OK
9	2001430100092		AYUSH TIWARI	MITHESH TIWARI	9015700270		OK
10	2001430100093		AYUSH VERMA	S C VERMA	0300100613		OK
11	2001430100094		AYUSH SAHANI	AMENDRA KUMAR	8318702122		OK
12	2001430100095		BHAGYA PRATAP SINGH	SARVESH CHALHAN	9149029519		OK
13	2001430100096		BHAVYA PRATAP SINGH	SANDEEP PRATAP SINGH	9528377180		OK
14	2001430100097		CHAMEK RAJPUT	SACHIN KUMAR RAJPUT	8792846038		OK
15	2001430100098		CHIRAG SHARMA	NARESH KUMAR SHARMA	7004197202		OK
16	2001430100099		CHITRANSHA VARSHNEY	CHARU CHANDRA VARSHNEY	7302740877		NOT PICK CALL
17	2001430100100		DEEPAANSHU KUMAR	ASHOK KUMAR	7098425540		OK
18	2001430100101		DEEPAENDRA SINGH	ASHOK KUMAR SINGH	9029998018		OK
19	2001430100102		DEVANSH PRADHAN	MUKESH KUMAR SAXENA	9084720080		OK
20	2001430100103		DEVESH DWIVEDI	RAKESH DWIVEDI	6387658329		OK
21	2001430100104		DHANAKSHI VERMA	CHANCHAL SINGH VERMA	7302740877		OK
22	2001430100105		DHRUV PARMAR	SURENDER PAL	9354342365		NOT PICK CALL
23	2001430100106		DIKSHA MITTAL	SUNIL KUMAR MITTAL	9027415100		OK
24	2001430100107		DIVYAM	RAJESH TRIPATHI	9025872162		OK
25	2001430100108		DIVYANSH RUIHOLA	K R RUIHOLA	7908120023		OK
26	2001430100109		DIVYANSH SRIVASTAVA	SANJIT KUMAR SRIVASTAVA	9055093869		OK
27	2001430100110		DIVYANSH TYAGI	RAVISH KUMAR TYAGI	8979902196		OK
28	2001430100111		EKTA MAURYA	MUNSI LAL MAURYA	8379008491		OK
29	2001430100112		GUNGUN GUPTA	AVDHESH GUPTA	9310329996		OK
30	2001430100113		HANSIKA JAIN	ATUL KUMAR JAIN	8923099957		OK
31	2001430100114		HANSHRAJ SINGH	JAY SHANKAR SINGH	8299622731		NOT PICK CALL
32	2001430100115		HARSH KUSHRESHTHA	AJIT KUMAR	8891999691		OK
33	2001430100116		HARI OM JAISWAL	KRISHNA KUMAR JAISWAL	7459874649		Absent
34	2001430100117	HARSH CHALHAN	CHARAMVEER SINGH	6396586633	Absent		
35	2001430100118	HARSH CHOUHARY	SACHIN KUMAR	9043274098	Absent		
36	2001430100119	HARSHET PANDEY	SOMNATH PANDEY	7235862486	No issue, doing study.		
37	2001430100120	HARSHET PRATAP RAO	RANA PRATAP RAO	9034019375	No issue, doing study.		
38	2001430100121	HARSHVARDHAN SINGH NEGI	GURBACHAN SINGH NEGI	8991994168	Absent		
39	2001430100122	HIMANSHU TIWARI	SUNIL TIWARI	9034853533	Absent		
40	2001430100123	HITEN CHOUHARY	SUDHEER KUMAR	8432128450	No issue, doing study.		
41	2001430100124	HRESHIT SRIVASTAVA	RAKESH KUMAR SRIVASTAVA	9018447363	No issue, doing study.		
42	2001430100125	JITESH PRATAP YADAV	RAVNORA PRATAP YADAV	7105876367	Absent		
43	2001430100126	KANAK SINGH	ONKAR SINGH	7405579573	No issue, doing study.		
44	2001430100127	KANAK RESAR	ASHOK KUMAR	7057973892	Absent		
45	2001430100128	KARAN CHALECHARY	VIKAS CHALECHARY	9018284831	He has health problem.		
46	2001430100129	KARTIKEYA GUPTA	LATE RAJWAN KUMAR GUPTA	8924507934	He is sick.		
47	2001430100130	KAVYANSH JAIN	DEEPAK KUMAR JAIN	9070999984	No issue, doing study.		
48	2001430100131	KHUSHI JAIN	SANJEEV JAIN	750214179	She has fever.		
49	2001430100132	KSHITIZ BAGHUNANSHI	BHANU PRATAP SINGH	7657862977	No issue, doing study.		
50	2001430100133	KSHITIZ SINGH	VEEVA SHANKAR SINGH	884091287	No issue, doing study.		
51	2001430100134	KUSHAGRA AGRAWAL	ASHOK KUMAR AGRAWAL	6267199100	No problem, he is doing.		
52	2001430100135	KUSHAGRA SINGH	AJAY KUMAR SINGH	7902059811	No issue, doing study.		
53	2001430100136	KUSHAY VERMA	SIBAL VERMA	7507790465	Absent		
54	2001430100137	LAKSHMESHVAR SHAH	VIRENDRA PRASAD SHAH	8228042066	Absent		
55	2001430100138	LALIT MOHAN	ASHWAN KUMAR	7078785941	Absent		
56	2001430100139	LALIT SHARMA	GOVINDHAN SINGH	7066611282	Absent		
57	2001430100140	MADHU DWIVEDI	MADHUP KUMAR DWIVEDI	9069534691	Absent		
58	2001430100141	MAHAKRANKA CHAUHAN	KULDEEP SINGH	8923074451	No issue, doing study, but		
59	2001430100142	MANISHA JAISWAL	RAJNISH KUMAR JAISWAL	9179181196	Absent.		
60	2001430100143	MAYANK CHAUDHARY	SARJEET SINGH	8078720075	No problem, he is doing.		
61	2001430100144	MAYANK GUPTA	PRABHU DAYAL GUPTA	9545085511	No issue, doing study.		
62	2001430100145	MAYANK SHARMA	JAGVEER SHARMA	8783218270	Absent		
63	2001430100146	MO ATIQUE KHAN	MO FATMA KHAN	905821487	Absent		

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Section C

Sl. No.	Admission No.	Roll No.	Name	Father Name	Student Mobile	Teacher Name	Date	Conversation done with the students/parents
1		2001430100127	MEERAK SANGAL	VIKAY SANGAL	7437018037	Dr. Geeta Sharma	15/5/21	ALL IS FINE .
2		2001430100128	MUHAMMAD SADIQUE IQBAL	MOHD IQBAL HANFI	7376815390			MOTHER WAS HOSPITALISED NOW AT HOME
3		2001430100129	MUHAMMAD SHAHROZ	GULAM SABIR	9140946231			EVERYTHING IS GOOD
4		2001430100130	MOHD UVAISH	MOHD NASIR	9410853898			ALL IS FINE .
5		2001430100131	MOKSH GUPTA	PRADEEP GUPTA	8076525213			AFFECTED BUT NOW IMPROVING
6		2001430100132	MRITUNJAY PATEL	RAJESH PATEL	8808861501			NOT FEELING WELL
7		2001430100133	NAMAN RAJPUT	RADHA RAMAN SINGH	8868033184			EVERYTHING IS GOOD
8		2001430100134	NAMAN RAJPUT	RAMESH CHANDRA VERMA	8863072058			NOT PRESENT
9		2001430100135	NAVIKA KAUSHIK	SIDDHARTH KAUSHIK	9899737738			NOT PRESENT
10		2001430100136	NEERAJ JANGRAL	SUBASH CHANDER	9622038668			NOT PRESENT
11		2001430100137	NIKHIL RANA	ANIL RANA	9068674236			NOT PRESENT
12		2001430100138	NMISH GROVER	HARISH CHANDRA GROVER	9956536875			EVERYTHING IS FINE
13		2001430100139	NIITYA NAND UPADHYAY	ANIL KUMAR UPADHYAY	7985889677			EVERYTHING IS FINE
14		2001430100140	OM PRAKASH KUSHWAHA	SATYENDRA KUSHWAHA	6394631083			EVERYTHING IS FINE
15		2001430100141	OM VEERWAL	SUBHASH KUMAR	9625486839			ALL IS FINE .
16	01	2001430100142	PARIKSHIT	BHHEEM SINGH	7505360113			ALL IS FINE .
17		2001430100143	PARTH SHARMA	MUNISH SHARMA	9756563923			NOT PRESENT
18		2001430100144	PAWAN	RATI RAM	9773668031			NOT PRESENT
19		2001430100145	PEEUSH GUPTA	RAJU GUPTA	8419077793			ALL IS FINE .
20		2001430100146	PEYUSH MATHURIA	LAL BAHADUR MATHURIA	9105741043			NOT PRESENT
21		2001430100147	PEYUSH SINGH	RAJESH SINGH	8826964432			ALL IS FINE .
22		2001430100148	POOJA	MAHESH CHAND	7983039369			EVERYTHING IS FINE ,WANT TO REGISTER NOW
23		2001430100149	PRACTO SHUKLA	ANIL KUMAR SHUKLA	0386748626			NOT PRESENT
24		2001430100150	PRAGYA CHOUDHARY	GYANENDRA SINGH	8006025113			ALL IS FINE .
25		2001430100151	PRAGYA DUBEY	DINESH KUMAR DUBEY	9305303927			EVERYTHING IS FINE
26		2001430100152	PRAJWAL RATHORE	RAJEEV SINGH RATHORE	9140341537			ALL IS FINE .
27		2001430100153	PRAKHAR PANDEY	ASHISH PANDEY	6306189756			ALL IS FINE .
28		2001430100154	PRAKHAR SAXENA	CHHITIZ KUMAR	8477904701			ALL IS FINE .
29		2001430100155	PRAKHAR TIWARI	SRI SHITALA PRASAD TIWARI	9565066546			NOT PRESENT
30		2001430100156	PRASHANSA SHARMA	GIRISH CHANDRA SHARMA	8192002875			ALL IS FINE .



B1

Admission No.	Roll No.	Name	Father Name	Student Mobile	Mentor Name	Date	Conversation with student
	2001430100191	SARTHAK GUPTA	ANOO P	7896207654	Dr. Mohit Rastogi		Not Present
	2001430100192	SARTHAK SRIVASTAVA	AMRENDRA KUMAR SRIVASTAVA	7318205459		He and his father are covid positive. Treatment is going on.	
	2001430100193	SATYAM KUMAR	HARENDRA KUMAR	7084322900		Not Present	
	2001430100194	SAURABH SUMAN JHA	VIMAL JHA	9631945250		All good.	
	2001430100195	SEJAL SINGH	RAKESH SINGH	9140796211		All good.	
	2001430100196	SHARISHTH TYAGI	SANJAY TYAGI	6397016120		He is covid positive. Rest of family members are fine.	
	2001430100197	SHASHANK AHLAWAT	YOGENDRA KUMAR	7248005070		He is suffering from fever.	
	2001430100198	SHASHANK KUMAR MALL	AWADHESH KUMAR MALL	8540194168		All good.	
	2001430100199	SHASHWAT KAPOOR	RAJEEV KAPOOR	9415574572		All good.	
	2001430100200	SHIVA SHARMA	JAIBHAGWAN SHARMA	8700501735		All good.	
	2001430100201	SHIVA SHARMA	MUKESH KUMAR	8755713887		He is suffering from fever.	
	2001430100202	SHIVAM KUMAR	SURENDRA KUMAR	9451305050		All good.	
	2001430100203	SHIVAM PATHAK	TRIBHUVAN NATH PATHAK	9170103389		All good.	
	2001430100204	SHIVANSH SINGHAL	AMIT SINGHAL	8126011172		Not Present	
	2001430100205	SHOBHA SHISHODIA	PRADEEP SHISHODIA	9528851533		All good.	
	2001430100206	SHORYA AGARWAL	ALOK KUMAR AGARWAL	7701818089		All good.	
	2001430100207	SHUBHAM AGARWAL	VISHAL AGARWAL	9528215988		Not Present	
	2001430100208	SHUBHAM CHAUDHARY	NIHAL SINGH	9027881144		Not Present	
	2001430100209	SHUBHAM SAHANI	BIRJU SAHANI	8924968165		He is suffering from Typhoid. Rest of family members are	
	2001430100210	SHUBHI KULSHRESTHA	ATUL KULSHRESTHA	8077737358		She is fine but some family members are covid positive.	
	2001430100211	SHUBHRANSH SRIVASTAVA	SANJIT KUMAR SRIVASTAVA	8766314052		Not Present	
	2001430100212	SHWETANSH SRIVASTAVA	SHARAD SRIVASTAVA	6387188545		All good.	
	2001430100213	SIDDHANT CHAURASIYA	OM PRAKASH CHAURASIYA	7061886155		All good.	
	2001430100214	SNEHA BANA	SANJEEV BANA	9678005408		She is fine but some family members are covid positive.	
	2001430100215	SOMYAKANT DASH	SASADHAR DASH	6287590684		All good.	
	2001430100216	SRISHTI	PRADEEP KUMAR TIWARI	6386826962		All good.	
	2001430100217	SUBRAT SINDHU	VIJAYANT KR SINGH	9956344601	All good.		
	2001430100218	SUMIT PANWAR	JASBIR SINGH	9911995970	All good.		
	2001430100219	SURAJ RAJ	JITENDRA PRASAD	8229042309	All good.		
	2001430100220	SURYANSH GUPTA	PANKAJ GUPTA	7505472537	All good.		
	2001430100221	SWASTI JAIN	SANJEEV KUMAR JAIN	9068303324	Not Present		
	2001430100222	TANISH SAXENA	SUDHIR KUMAR SAXENA	9997634422	He is not fine. He has some health issue.		

Section - A

Sl. No.	Admission No.	Roll No.	Batch	Name	Father Name	Student No.	Marital Name	Site	Communication done with the candidate's parents
33	A2009C3E7781	2001430100033		AKSHIT SETHI	RAJEVEE DEHWAG	8171428073			He will do registration today. Lives in Hapur. He will come to college tomorrow.
34	A2009C3E7784	2001430100034		AMARJEANT PRITHAK	SURENDRA KUMAR	9040888990			Done pending. He will do registration in 2 days. He will come to college on 8th apr. Lives in Mathura.
35	A2009C3E7787	2001430100035		AMAR KUMAR	RAJ KUMAR	883079522			Out of network coverage area
36	A2009C3E77421	2001430100036		AMAR KUMAR CHAUHAN	DIYANU BABU CHAUHAN	8768170258			Candidate covered the call on this number
37	A2009C3E77071	2001430100037		AMAR KUMAR SHUKLA	SANJAY KUMAR SHUKLA	938992872			He will do registration today. He will come on 7th apr as per his reservation
38	A2009C3E7714	2001430100038		AMMAN UPADHYAY	PANJAJ KUMAR UPADHYAY	798298108			Done registration. He will come to college tomorrow
39	A2009C3E7722	2001430100039		AMRITDEEP KUMAR	SUNIL KUMAR	8780747487			waiting number
40	A2009C3E7751	2001430100040		AMRITYA RAI	GRISH CHAND RAI	7985961170			He will do registration today. He will come to college tomorrow
41	A2009C3E7743	2001430100041		ANAGH SHARMA	VIJAY PRAKASH	8387185481			Done registration. He will come to college tomorrow
42	A200977765	2001430100042		ANANYA GUPTA	SANJAY KUMAR GUPTA	7989888584			She will do registration tomorrow and come to college
43	A2009C3E7777	2001430100043		ANVITA VERMA	HADESH CHANDRA YADAV	8113988127			Done pending. We do registration tomorrow. We will come to college tomorrow
44	A2009C3E7754	2001430100044		ANVITA SINGH	RAJESH SINGH	7340354405			Candidate covered the call on this number
45	A2009C3E7778	2001430100045		ANURAJ YADAV	RAM VISHAL YADAV	7839068818			His elder brother talked on phone. He will do registration in 2-3 days.
46	A2009C3E7790	2001430100046		ANMOL MISHRA	ASHOK MISHRA	8182095623			Done registration. Lives in Lucknow. We will come on 9th apr.
47	A2009C3E7732	2001430100047		ANSHI SHARMA	SURENDRA KUMAR SHARMA	7355644408			Registration done. We will come to college on 8th apr.
48	A2009C3E7712	2001430100048		ANSHIKA SAINI	SANJAY SAINI	790048817			She will do registration tomorrow and come to college
49	A2009C3E7765	2001430100049		ANSHU SHARMA	DEEPA SHARMA	909828434			He will do registration tomorrow and come to college
50	A2009C3E7706	2001430100050		ANUSHAY KUMAR	SANJAY SINGH	800138126			Registration done. We will come to college tomorrow
51	A2009C3E7728	2001430100051		ANUSHAY KUMAR SINGH	ASHOK KUMAR SINGH	818337790			Done pending. We do registration in 2-3 days. We will come to college tomorrow.
52	A2009C3E7785	2001430100052		ANUSHAY VARDHNEY	ASHOK KUMAR	7981158975			Lives in Agra. We will come to college on 7th apr and then will do registration.
53	A2009C3E7730	2001430100053		ANUSHAY VARDHNEY	PRAMOD KUMAR VARDHNEY	7900888649			Done registration and will come to college tomorrow
54	A2009C3E77438	2001430100054		ANUSHA YADAV	HADESH YADAV	8386027482			Did not pick up multiple times
55	A2009C3E77376	2001430100055		ANUSHA YADAV	HADESH YADAV	8756488173			Registration done. Lives in Azamgarh. We will come to college on 7th.
56	A2009C3E77162	2001430100056		ANUSHA SHARMA	MANISH KUMAR SHARMA	798115848			Done registration and will come to college tomorrow
57	A2009C3E7154	2001430100057		ANUSHA SINGH	ASHWIN KUMAR JAIN	8440254818			Did not pick up multiple times
58	A2009C3E7137	2001430100058		ANUSHA SINGH	SANJAY KUMAR	838454888			Done registration and will come to college tomorrow
59	A2009C3E7747	2001430100059		ANUSHA SINGH	ANJU KUMAR	894043144			Done registration and will come to college tomorrow
60	A2009C3E7772	2001430100060		ANUSHA SINGH	SANDEEP KUMAR SINGH	793032407			He is in Lucknow. Graduation is very 8. He will come to college in 3-4 days and then get the registration done.
61	A2009C3E77305	2001430100061		ANUSHA SINGH	SANJAY AGRAWAL	729830298			Done registration. Lives in gorakhpur. We will come on 27th apr.
62	A2009C3E77448	2001430100062		ANUSHA SINGH	SANJAY AGRAWAL	845584154			Did not pick up multiple times
63	A2009C3E77263	2001430100063		ANUSHA SINGH	MOOLVI REHMAN FAROOQI	876584368			Did not pick up multiple times

B2

Ms. Vinita

(Handwritten signature)
 Vinita
 5/4/2023

Roll No.	Name	Father Name	Student Mobile	Admission Date	Remarks
200140120001	NAKUL PANCHAL	RAJESH PANCHAL	9820010101	01-04-2021	Conservation done with the students/parents
200140120002	NAKUL SHARMA	RAJESH SHARMA	9820010102	01-04-2021	Registration not done due to pending fee. will join classes from 5/4/2021.
200140120003	NAMAN KUMAR PANDEY	VIKASH PANDEY	9820010103	01-04-2021	Registration done. will join the classes from 5/4/2021
200140120004	NETISH KUMAR	VIKASH KUMAR	9820010104	01-04-2021	will join classes from 5/4/2021. not registered due to pending fee
200140120005	PIYUSH SHARMA	VIKASH SHARMA	9820010105	01-04-2021	will join classes from 5/4/2021. not registered due to pending fee
200140120006	PRAKASH TYAGI	VIKASH TYAGI	9820010106	01-04-2021	Registration done. will join from 5/4/2021 due to grandfather Terakki ceremony
200140120007	PRASHANT KUMAR	VIKASH KUMAR	9820010107	01-04-2021	will join classes from 5/4/2021. not registered due to pending fee
200140120008	PRINCE GUPTA	VIKASH GUPTA	9820010108	01-04-2021	Registration done, will join classes from 6/4/2021.
200140120009	PRINCE PRASAD	VIKASH PRASAD	9820010109	01-04-2021	Registration not done, No Pending Fee, will join classes from 5/4/2021.
200140120010	FRIYANK SEN	VIKASH SEN	9820010110	01-04-2021	Registration not done due to pending fee. will join classes from 6/4/2021.
200140120011	FRIYANSHU CHAUDHARY	VIKASH CHAUDHARY	9820010111	01-04-2021	Registration not done due to pending fee. will join classes from 5/4/2021.
200140120012	RAVI YADAV	VIKASH YADAV	9820010112	01-04-2021	Registration not done due to pending fee. will join classes from 6/4/2021.
200140120013	RISHAB SANGAL	VIKASH SANGAL	9820010113	01-04-2021	Registration not done due to pending fee. will join classes from 6/4/2021.
200140120014	RUDRA NARAYAN TRIPATHI	VIKASH TRIPATHI	9820010114	01-04-2021	Not picked
200140120015	SAKSHI SHUKLA	VIKASH SHUKLA	9820010115	01-04-2021	Not picked
200140120016	SHADAB KHAN	VIKASH KHAN	9820010116	01-04-2021	Registration done. will join the classes from 6/4/2021
200140120017	SHIVA BHARDWAJ	VIKASH BHARDWAJ	9820010117	01-04-2021	Registration not done due to pending fee. will join classes from 5/4/2021.
200140120018	SHREY DESHWAL	VIKASH DESHWAL	9820010118	01-04-2021	Registration not done, No pending fee, will join classes from 6/4/2021.
200140120019	SHUBHAM KUMAR PANDIT	VIKASH PANDIT	9820010119	01-04-2021	Registration not done, No pending fee, will join classes from 6/4/2021.
200140120020	SIDDHARTH KALSHAN	VIKASH KALSHAN	9820010120	01-04-2021	Registration done, Met an accident and will join after recovery.
200140120021	SPARSH AGARWAL	VIKASH AGARWAL	9820010121	01-04-2021	Registration not done due to pending fee. will join classes from 5/4/2021.
200140120022	SURAJ KHAN	VIKASH KHAN	9820010122	01-04-2021	Not picked
200140120023	TANISHA RAJ	VIKASH RAJ	9820010123	01-04-2021	Registration not done due to pending fee. will join classes from 5/4/2021.
200140120024	TARUN KUMAR CHAUDHARY	VIKASH CHAUDHARY	9820010124	01-04-2021	Registration done, will join classes from 6/4/2021.
200140120025	TUSHAR AGARWAL	VIKASH AGARWAL	9820010125	01-04-2021	Registration done, will join classes from 5/4/2021.
200140120026	UTKARSH SAXENA	VIKASH SAXENA	9820010126	01-04-2021	Registration done, will join classes from 5/4/2021.
200140120027	VIJAY CHAUDHARY	VIKASH CHAUDHARY	9820010127	01-04-2021	Registration not done, No pending fee, will join classes from 6/4/2021.
200140120028	VISHAV SHARAWAT	VIKASH SHARAWAT	9820010128	01-04-2021	Registration not done, No pending fee, will join classes from 5/4/2021.
200140120029	YASH GARG	VIKASH GARG	9820010129	01-04-2021	Registration done, will join classes from 5/4/2021.
200140120030	YASH JAIN	VIKASH JAIN	9820010130	01-04-2021	Registration done, will join classes from 5/4/2021.
200140120031	YASH SONIHAL	VIKASH SONIHAL	9820010131	01-04-2021	Registration done, will join classes from 5/4/2021.
200140120032	YASHIKA MISHRA	VIKASH MISHRA	9820010132	01-04-2021	Registration not done, No pending fee, will join classes from 6/4/2021.
200140120033	RISHAV KUMAR	VIKASH KUMAR	9820010133	01-04-2021	Registration not done, pending fee, will join classes from 5/4/2021.
200140120034	ROHAN KUMAR SACHDEV	VIKASH SACHDEV	9820010134	01-04-2021	Registration not done, No pending fee, will join classes from 6/4/2021.

Ms. Mayarika Saxena

(Handwritten signature) Ms. Mayarika Saxena

IMS ENGINEERING COLLEGE, GHAZIBABAD

Department of Mechanical Engineering

OFFICE ORDER

From: HOD (ME & CE) | To: Dr. B.N. Pathak, Associate Professor, ME department

Ref. No: ME/JAN/2021/ 01

Date: 11/01/2021


A new mentor- mentee committee has been constituted with all faculty members of ME and CE department as 'Academic mentors' and all students of the department as 'Mentees'

Dr. B.N. Pathak, Associate Professor has been entrusted with the responsibilities of Chief Mentor for 2nd, 3rd & 4th year students of B.Tech Mechanical Engineering and Civil Engineering branch.

Dr. B.N. Pathak, Chief Mentor shall;

- 1) Ascertain the attendance of students (Offline + Online classes) twice (once in 1st half and once in 2nd half) on all teaching days.
- 2) Collect the subject wise progress of all students through the concerned teachers.
- 3) Disseminate the summary of progress among all faculty members and ensure the followings:
 - a) At least one call has been made to each parent and each student every week by mentors. Details of communications must be properly recorded.
 - b) He will randomly make telephone calls to some students and parents to check on mentor- mentee communication.
 - c) He will also advise mentors to maintain a cordial and good relation with parents & students. He will ensure hand holding of students by mentors.
 - d) Records of all above activities are to be maintained on ERP + Attendance register. He will periodically check these entries on ERP & Attendance register. He will report progress on mentor – mentee system to HoD (ME&CE) every week and he will be responsible for this important activity.

It is approved by Director Sir,


(Dr. V.K. Saini)
HoD (ME&CE)

CC: The Director Sir (for kind information).

Dr. BN Pathak

HR to put this in personal file.

All faculty members through WhatsApp.

ERP Team: Mr. Amit Kumar to ensure Mentor- Mentee module is working.

STUDENT MENTORING SYSTEM

Responsibilities of Academic Mentor

Academic Mentor is Responsible towards his/ her Mentee for:

- Making initial contact with their Mentee to arrange to dates and time for proposed mentor session.
- Providing advice & support in matters related to their academic progress and proposal for development and support which mentee is identifying in order to get help as welfare issue.
- Providing professional guidance & advice for career development
- All round development & confidence building

NOTE : Mentor will be the local guardian to the mentee of his/her group

Proposed activities for Mentor

Following activities are proposed (not limited to) for academic mentors:

- To cross check of attendances of each subject on regular basis through ERP/concerned faculty.
- To interact with mentees on regular basis. A WhatsApp group may be Informed for all mentees for discussion.
- To discuss and maintain records for his/her academic progress, assessment & examination.
- To advise & support the mentee for developing suitable professional skills as per the need of the industry.
- To guidance & support there mentees in referring standard study material.
- To keep track of the participation of mentee in various engineering activities for all round development. At the same time sharing the details of professional certification programs and various engineering events to encourage and help them to participate in it. Involve them in debate/ presentation/ mock interviews /content development etc. Ask them to organize activities give them group tasks etc.
- If a Mentee has some difficulty in understanding of any subject, then mentor must coordinate with the concerned faculty to address this issue.
- To update and inform the parents of the mentee about his/her academic progress.

NOTE: In case the Mentor need then he /she can take the help of Happiness Committee.



HOD (ME&CE)

**Mentor List for Odd Semester(2020-21)**

1 message

HOD Mechanical Engineering <hodme@imsec.ac.in>

Thu, Sep 17, 2020 at 3:24 PM

To: Sumit Sharma <sumit.sharma@imsec.ac.in>, Mubina Shekh <mubina.shekh@imsec.ac.in>, Ajay Singh Parmar <ajay.parmar@imsec.ac.in>, Om Prakash Umrao <op.umrao@imsec.ac.in>, Abhishek Saxena <abhishek.saxena@imsec.ac.in>, Bibeka Nand Pathak <bn.pathak@imsec.ac.in>, Ankit Saxena <ankit.saxena@imsec.ac.in>, "Gaurav Kr. Mishra" <gauravkmishra@imsec.ac.in>, Amit Pandey <amk.pandey@imsec.ac.in>, Ravi Ranjan <ravi.ranjan@imsec.ac.in>, Pankul Goel <pankulgoel@imsec.ac.in>, Shivom Sharma <shivom123@gmail.com>

Mentor List for Odd Semester(2020-21)

			2019-2020	2020-2021		
Year	Section	Batch	Old Mentor Name	New Mentor Name	No of Students	
4th Year	ME1	B1 & B2	Mr. Amit Pandey	Mr. Sumit Sharma	35	
	ME2	B1 & B2	Mr. Gaurav Kr. Mishra	Mrs. Mubina Shekh	35	
3rd Year	ME	B1	Mr. Shiv Om Sharma	Mr. O. P. Umrao	25	
		B2	Mr. Ajay Singh Parmar	Mr. Ajay Singh Parmar	27	
2nd Year	ME	B1 & B2	Dr. B. N. Pathak	Mr. Gaurav Kumar Mishra	24	

Prof. (Dr.) V.K. Saini
 HOD, Mechanical Engineering
 IMS Engineering College
 Ghaziabad (U.P.)
 Phone: (91) 120-4940000, Extn - 827



IMS Engineering college, Ghaziabad
Department of Electronics and Communication Engineering

Mentor-Mentee List of ECE 2nd Year (Odd Sem. 2020-21)

S. No.	Roll No.	Student Name	Name of Mentor	Total Students
1	1901430100119	MOHD KASIB	Prof. Neeraj Jain	21
2	1901430310001	ABHISHEK KUMAR		
3	1901430310002	ABHISHEK KUMAR SINGH		
4	1901430310003	ADARSH SRIVASTAV		
5	1901430310004	AKASH KUMAR DWIVEDI		
6	1901430310005	ALOK KUMAR MISHRA		
7	1901430310006	ASHISH CHAUHAN		
8	1901430310007	ASHWINI PATEL		
9	1901430310008	ATUL PANDEY		
10	1901430310009	AVINASH KUMAR		
11	1901430310010	DEEPAK VERMA		
12	1901430310011	DIVYANSH RASTOGI		
13	1901430310012	FAHAD QBAL		
14	1901430310013	GYANESHWER TRIVEDI		
15	1901430310014	HRISHITA YADAV		
16	1901430310015	ISHAN SHARMA		
17	1901430310017	LALIT TOMAR		
18	1901430310018	MANVENDRA SINGH		
19	1901430310019	MEGHA KUMARI		
20	1901430310021	MOHIT KUMAR		
21	1901430310022	NIDHI MISHRA		
22	1901430310023	PARNIKA SINGH	Prof. Jaya Nidhi Vashishtha	20
23	1901430310024	RACHIT SHARMA		
24	1901430310025	RIDDHI AGARWAL		
25	1901430310026	RITESH TIWARI		
26	1901430310027	SATYAM SINGH		
27	1901430310028	SHIVAM SINGH		
28	1901430310029	SHOAIB ALAM		
29	1901430310030	SHRISHTI SINGH		
30	1901430310031	SHUBHAM TRIPATHI		
31	1901430310032	SUBHRANSHU PATRA		
32	1901430310033	SURYANSH PRATAP SINGH		
33	1901430310034	TEJASH KUMAR		
34	1901430310035	UTKARSH ADITYA		
35	1901430310036	UTKARSH GUPTA		
36	1901430310037	VARSHA		
37	1901430310038	VINIT MISHRA		
38	1901430310039	YASH SISODIA		
39	1901430310040	YASHI SINGH		
40	2001430319001	ATHAR KHAN		
41	2001430319002	HARSHIT SINGH		

Jain
05-10-21
Chief Mentor

IMS Engineering college, Ghaziabad
Department of Electronics and Communication Engineering

Mentor-Mentee List of ECE 3rd Year (Odd Sem. 2020-21)

S. No.	Roll No.	Student Name	Name of Mentor	Total Students
1	1814331042	RAHUL SINGH	Prof. Praveen Kumar	22
2	1814331002	AASHI SINGH		
3	1814331003	ABHISHEK KUMAR		
4	1814331004	ABHISHEK KANDPAL		
5	1814331005	ADITYA KUMAR		
6	1814331006	ADITYA PANDEY		
7	1814331007	AKHIL RUHELA		
8	1814331008	AKSHAY VERMA		
9	1814331009	ALI MAJAZ		
10	1814331010	AMAN SAIFI		
11	1814331011	ANIRUDH MANOJ		
12	1814331012	ANMOI SHARMA		
13	1814331013	ANSHUL SHARMA		
14	1814331014	ANTRIKSH SAXENA		
15	1814331015	ANUBHAV SINGH		
16	1814331016	ARBAZ AKHTAR		
17	1814331017	ARPIT SONI		
18	1814331018	ASHISH CHAUDHARY		
19	1814331019	ASHISH SHARMA		
20	1814331020	AYUSH SAINI		
21	1814331021	HARDIK RASTOGI		
22	1814331022	HARSH JAISWAL		
23	1814331023	JATIN AGARWAL	Prof. Sulekha Saxena	22
24	1814331024	JATIN RANA		
25	1814331025	JAYA SINHA		
26	1814331026	KRITIKA NATH		
27	1814331027	MANSI SAXENA		
28	1814331028	ARMAN SHAH		
29	1814331029	MUDIT PRATAP SINGH		
30	1814331030	MUKUL CHAUHAN		
31	1814331031	MUNESH KUMAR SINGH		
32	1814331032	MANIK CHOUDHARY		
33	1814331033	NIKHIL KUMAR		
34	1814331034	NISHA		
35	1814331035	NITESH UPADHYAY		
36	1814331036	PRABHAT MITTAL		
37	1814331037	PRADEEP DUBEY		
38	1814331038	PRAKHAR TRIVEDI		
39	1814331039	RACHIT GARG		
40	1814331040	RISHABH GUPTA		
41	1814331041	RIYA AGARWAL		
42	1814331042	SAKSHI VARSHNEY		
43	1814331043	SARANSH RAI		
44	1814331044	SARTHAK GUPTA		
45	1814331045	SAURABH GUPTA	Prof. RPS Chauhan	14
46	1814331046	SHASHWAT DWIVEDI		
47	1814331047	SHEENDRA RAGHAV		
48	1814331048	SHIVAM KATIYAR		
49	1814331049	SHIVANGI MISHRA		
50	1814331050	SUPREET DEOL		
51	1814331051	TANISH VARSHNEY		
52	1814331052	TANISHKA VATS		
53	1814331053	TUSHAR KUMAR		
54	1814331054	UTKARSH SINGH		
55	1814331055	VED PRAKASH SHARMA		
56	1814331056	VISHAL RANA		
57	1814331057	YASH DIXIT		
58	1814331058	YASHASVI SINGH		

[Signature]
 05-10-21
 Chief Mentor

**IMS ENGINEERING COLLEGE, GHAZIABAD
ACADEMIC CALENDAR (As per AKTU) (ODD SEM: 2020 - 21) [Version-1]**

Oct-20						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	
T/ W Days : 19/21						
















Nov-20						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						
T/ W Days : (16+3)/20						

Dec-20						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			
T/ W Days : 17/24						

Jan-21						
M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
T/ W Days : 15/22						

Feb-21						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
T/ W Days : 20/22						

Mar-21						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
T/ W Days : 5/23						

IMPORTANT DATES	HOLIDAYS	EXAMINATION / CLASS TEST
Commencement of Classes for 2nd, 3rd & 4th Yr: 5 th Aug 	14, 15 & 16 NOV (SAT, SUN & MON): Deepawali 	CT-1 : 2 nd -DEC to 8 th -DEC, 2020 
Commencement of Classes for 1st & 2nd (Lateral) 25 th NOV 	30-NOV (MON) : Guru Nanak's B'day 	CT-2 : 19, 21, 26, 28-DEC, 2, 4 JAN 2021 
	25-DEC (FRI) : Christmas Day 	PUT : 18 th JAN to 23 rd JAN, 2021 
	11-MAR (THU) : Maha Shivratri 	(3 rd & 4 th Year AKTU External)
Upload Assignment (Important Dates) 	28-MAR (SUN) : Holika Dahan 	AKTU End Sem Exam (01-FEB to 20-FEB, 2021) 
	29-MAR (MON) : Holi 	(1 st & 2 nd Year AKTU External)
		AKTU End Sem Exam (08-MAR to 20-MAR, 2021) 
		AKTU End Sem Practical Examination 

Total Teaching Days/Working Days (T/W) : 60/132 [95/132]

- Faculty members are requested to
- 1) Upload the attendance after completion of the class (L/T/P) itself on the same day.
 - 2) Upload / Check / Submit the assignment as per schedule (weekly).

IMS ENGINEERING COLLEGE, GHAZIABAD
ACADEMIC CALENDAR (As per AKTU) (EVEN SEM: 2020 - 21)




















Apr-21						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		
T/ W Days : 20/24						

May-21						
M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						
T/ W Days : 19/24						

Jun-21						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				
T/ W Days : 22/26						

Jul-21						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	
T/ W Days : 0/26						

Aug-21						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
T/ W Days : 0/24						

IMPORTANT DATES	HOLIDAYS	EXAMINATION/CLASS TEST
Date of Registration for B.Tech & MBA (1st April) 	14-APR (WED) : Ambedkar Jayanti 	CT1 and CT2 will be conducted by the respective department in consultation with COE
Commencement of Classes for B.Tech & MBA (1st April) 	21-APR (WED) : Ram Navmi 	PUT : 1st July to 7th July 2021 
Upload Assignment (Important Dates) 	14-MAY (FRI) : Id-UI-Fitar 	AKTU End Sem Theory Exam(16 July to 25 July 2021) 
Annual Intra College Sports fest (17th April, 18th April) 	26-MAY (WED) : Budh Purnima 	AKTU End Sem Practical Exam(26 July to 31 July 2021) 
Technical Fest (15th May, 29th May, 19th June) 	21-JUL (WED) : Eid-ul-Azha 	Summer Vacations/ Summer Internship (01 Aug 2021 to 31 Aug 2021) 
Farewell Party for final year students (26th June) 	15-Aug (Sun) : Independence Day 	
	19-Aug (THU) : Moharram 	
	22-Aug (Sun) : Raksha Bandhan 	
	30-Aug (Mon) : Janmasthami 	

Total Teaching Days/Working Days (T/W) : 61/124

Faculty members are requested to 1) Upload the attendance after completion of the class (L/T/P) itself on the same day.
 2) Upload / Check / Submit the assignment as per schedule (weekly).

IMS ENGINEERING COLLEGE, GHAZIABAD
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FACULTY LOAD ODD SEMESTER (SESSION 2020-21)

Sl.	Faculty Name	Subject Code	Subject	Univ. Load			Total	Actual Load			Total
				L	T	P		L	T	P	
1	Prof. (Dr.) R. P. S. Chauhan (HOD)	KEC-502	Microprocessor & Microcontroller	3	1	0	8	4	2	0	14
		KEC-552	Microprocessor & Microcontroller Lab	0	0	2		0	0	4	
		REC-751	Optical Communication Lab (EC-2)	0	0	2		0	0	4	
2	Prof. Pankaj Goel (Dean, DSW)	KEC-054	Advance Digital Design using Verilog	3	0	0	8	4	2	0	16
		REC-702	VLSI Design (EC1)	3	0	0		4	2	0	
		REC-752	Electronics Ckt Design Lab (EC1)	0	0	2		0	0	4	
3	Prof. Praveen Kumar	KEC-301	Electronics Devices	3	1	0	12	4	2	0	20
		KEC-351	Electronics Devices Lab	0	0	2		0	0	4	
		KEC-501	Integrated Circuits	3	1	0		4	2	0	
		KEC-551	Integrated Circuits Lab	0	0	2		0	0	4	
4	Prof. Praveen Chaurasia	REC-072	Digital Image Processing (EC-1)	3	0	0	8	4	2	0	16
		REC-072	Digital Image Processing (EC-2)	3	0	0		4	2	0	
		REC-751	Optical Communication Lab (EC-1)	0	0	2		0	0	4	
5	Prof. Balwant Singh	KEC-502	Digital Signal Processing	3	0	0	9	4	2	0	16
		KEC-553	Digital Signal Processing Lab	0	0	2		0	0	4	
		REC-701	Data Communication Networks (EC-2)	3	1	0		4	2	0	
6	Prof. (Dr.) Neeraj Jain	REC-702	VLSI Design (EC2)	3	0	0	10	4	2	0	20
		KEC-303	Network Analysis and Synthesis	3	0	0		4	2	0	
		REC-752	Electronics Ckt Design Lab (EC2)	0	0	2		0	0	4	
		KEC-353	Network Analysis and Synthesis Lab	0	0	2		0	0	4	
7	Prof. V. K. Agrawal	KEC-101T	Basic Electronics	6	0	0	10	12	0	0	20
		KEC-151P	Basic Electronics Lab	0	0	4		0	0	8	
8	Prof. Mayurika Saxena	KEC-101T	Basic Electronics	6	0	0	10	12	0	0	20
		KEC-151P	Basic Electronics Lab	0	0	4		0	0	8	
9	Prof. J. N. Vashishtha	KEC-302	Digital System Design	3	1	0	10	4	2	0	16
		REC-701	Data Communication Networks (EC-1)	3	1	0		4	2	0	
		KEC-352	Digital System Design Lab	0	0	2		0	0	4	
10	Prof. Sulekha Saxena (EN)	REC-075	Optical Communication (EC-1)	3	1	0	11	4	2	0	18
		REC-075	Optical Communication (EC-2)	3	1	0		4	2	0	
		KEC-058	Optical Communication	3	0	0		4	2	0	

AVG.= 17.6

HoD ECE

IMS ENGINEERING COLLEGE, GHAZIABAD
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FACULTY LOAD EVEN SEMESTER (SESSION 2020-21)

Sl.	Faculty Name	Subject Code	Subject	Univ. Load			Total	Actual Load			Total
				L	T	P		L	T	P	
1	Prof. (Dr.) R. P. S. Chauhan (HOD)	KEC-061	Microcontroller & Embedded System Design	3	0	0	16	6	0	0	16
		KEC-653C	Microcontroller & Embedded System Design	0	0	4		0	0	4	
		KCS-403	Microprocessor (CSE)	3	2	0		6	0	0	
		REC-852	Project	0	0	2		0	0	0	
		Edu+	Machine Learning Using Python (2nd Yr.)	2	0	0		0	0	0	
2	Prof. (Dr.) Pankaj Goel (Dean, DSW)	KOE-062	Embedded System	3	0	0	16	6	0	0	16
		KCS-403	Microprocessor	3	2	0		6	0	0	
		KCS-452	Microprocessor Lab	0	0	4		0	0	4	
		REC-852	Project	0	0	2		0	0	0	
		Edu+	VLSI Design (3rd Yr.)	2	0	0		0	0	0	
3	Prof. (Dr.) Praveen Kumar	KEC-402	Analog Circuit	3	2	0	18	8	0	0	22
		KEC-452	Analog Circuit Lab	0	0	4		0	0	4	
		KEC-602	Control System	3	2	0		6	0	0	
		KEC-652	Control System Lab	0	0	4		0	0	4	
4	Prof. Praveen Chaurasia	REC-080	Electronic Switching	3	2	0	15	3	0	0	16
		KEC-603	Antenna and Wave Propagation	3	2	0		8	0	0	
		REC-085	Wireless & Mobile Communication	3	0	0		3	0	0	
		KEC-451	Communication Engg. Lab (B-1)	0	0	2		0	0	2	
5	Prof. Balwant Singh	KEC-601	Digital Communication	3	2	0	18	6	0	0	20
		KEC-453	Signal System Lab	0	0	4		0	0	4	
		KEC-651	Digital Communication Lab	0	0	4		0	0	4	
		KEC-403	Signal System	3	2	0		8	0	0	
6	Prof. J. N. Vashishtha	KOE-044	Sensors and Instrumentation (CSE)	6	4	0	18	12	0	0	18
		REC-851	GD & Seminar	0	0	3		0	0	0	
		KOE-044	Sensor & Instrumentation (ECE)	3	2	0		6	0	0	
7	Prof. Sulekha Saxena	KCS-403	Microprocessor	3	2	0	18	6	0	0	22
		KCS-452	Microprocessor Lab	0	0	4		0	0	4	
		KCS-452	Microprocessor Lab	0	0	4		0	0	4	
		KEC-451	Communication Engg. Lab (B-2)	0	0	2		0	0	2	
		KEC-401	Communication Engg.	3	0	0		6	0	0	
8	Prof. Mayurika Saxena	KEC-201T	Emerging domain in Electronic Engg.	6	0	0	14	12	0	0	20
		KEC-251T	Emerging domain in Electronic Engg. Lab	0	0	8		0	0	8	
9	Prof. (Dr.) Neeraj Jain	KEC-201T	Emerging domain in Electronic Engg.	6	0	0	14	12	0	0	20
		KEC-251T	Emerging domain in Electronic Engg. Lab	0	0	8		0	0	8	
10	Prof. Jyoti Guglani	KCS-403	Microprocessor (CSE)	6	4	0	18	12	0	0	20
		KCS-452	Microprocessor Lab	0	0	8		0	0	8	
11	Prof. V. K. Agrawal		Victory Group								

Faculty from other Department

1	Prof Saroj	KNC602	Indian Tradition, Culture and Society	2	0	0	2	4	0	0	4
2	Prof. Mubina (ME)	KVE401	Universal Human Values	3	0	0	3	4	0	0	4
3	Prof Pawan (IT)	KNC401	Computer System Security	2	0	0	2	4	0	0	4
4	Prof Varun Singhal (EN)	ROE082	Entrepreneurship Development	3	0	0	3	3	0	0	3

HOD, ECE

IMS ENGINEERING COLLEGE				IMSEC/QF/08b			
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Prepared by:				Approved by: Director			
CLASS TT EC 2ND YEAR (C-303)							
Academic Session 2020-21 (ODD)							
DAY/TIME	Period-1 9:00-9:50	Period-2 10:00-10:50	Period-3 11:00-11:50	Period-4 12:00-12:50	Break 12:50-2:00 PM	Period-5 2:00-2:50 PM	Period-6 3:00-3:50
MON	KEC 303 (Remedial)	KAS 301	KEC 301	KAS302(Maths IV) (Remedial)	LUNCH	Electronics Devices Lab	
TUE	KEC 301 (Remedial)	KEC 301	KEC 302	KAS302(Maths IV)		Digital System Design Lab (B-1)	
WED	KEC 302 (Remedial)	KEC 303	KEC 303	KAS302(Maths IV)		Network Analysis and Synthesis Lab (B-1)	
THU	KEC 302	KEC 301	KEC 303	KAS 301 (EC+EN)		Network Analysis and Synthesis Lab (B-2)	
FRI	Python Programming (Lab)		KEC 302	KAS302(Maths IV)		Digital System Design Lab (B-2)	
SAT							
CODE	Subject	FACULTY	Code	Lab Name	FACULTY		
KAS 302	Math-IV	AS&H-1 _PS	KEC 351	Electronics Devices Lab	PRAVEEN KUMAR		
KAS 301	Technical Communication	AS&H-2_REN	KEC 352	Digital System Design Lab (C404)	JAYA NIDHI VASHISTHA		
KEC 301	Electronic Devices	PROF PRAVEEN KUMAR	KEC 353	Network Analysis and Synthesis Lab	NEERAJ JAIN		
KEC 302	Digital System Design	PROF JNV					
KEC 303	Network Analysis and Synthesis	DR NEERAJ JAIN	KNC 302	Python Programming (Lab-5)	Soumi Ghosh (CSE dept)		

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IMS ENGINEERING COLLEGE			IMSEC/QF/08b				
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CLASS T T EC 3RD YEAR (C-304)							
Academic Session 2020-21(ODD)							
DAY/TIME	Period-1 9:00-9:50	Period-2 10:00-10:50	Period-3 11:00-11:50	Period-4 12:00-12:50	Break 12:50-2:00 PM	Period-5 2:00-2:50 PM	Period-6 3:00-3:50
MON	KEC-503	KEC-503	KNC-501	KEC-058	Lunch	KNC-501	KEC-058 (Remedial)
TUE	KEC-503 (Remedial)	KEC-502	KEC-058	KNC-501		Integrated Circuits Lab	
WED	KEC-502 (Remedial)	KEC-058	KEC-501	KEC-054		Digital Signal Processing Lab	
THU	KEC-054 (Remedial)	KEC-502	KEC-503	KNC-501		KEC-501	KEC-054
FRI	KEC-501 (Remedial)	KEC-502	KEC-054	KEC-501		Microprocessor & Microcontroller Lab	
SAT							
CODE	SUBJECT	FACULTY	Code	Lab	FACULTY		
KEC-501	Integrated Circuits	PROF PRAVEEN KUMAR	KEC-551	Integrated Circuits Lab	Prof PRAVEEN KUMAR		
KEC-502	Microprocessor & Microcontroller	DR RPS CHAUHAN	KEC-552	Microprocessor & Microcontroller Lab	Dr RPS CHAUHAN		
KEC-058	Optical Communication	PROF SULEKHA SAXENA (EN)	KEC-553	Digital Signal Processing Lab (lab-5)	Prof BALWANT SINGH		
KEC-054	Advance Digital Design using Verilog	PROF PANKAJ GOEL					
KEC-503	Digital Signal Processing	PROF BALWANT SINGH					
KNC-501	Constitution of India, Law and Engineering	Prof RajKumar					
(Time Table Coordinator)				HoD ECE			

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CLASS TT EC-1 4th YEAR (C-305)							
Academic Session 2020-21 (ODD)							
DAY/TIME	Period-1	Period-2	Period-3	Period-4	Break	Period-5	Period-6
	9:00-9:50	10:00-10:50	11:00-11:50	12:00-12:50	12:50-2:00 PM	2:00-2:50 PM	3:00-3:50
MON	ROE 074	REC 075	REC 072	REC 702	Lunch	Optical Communication Lab	
TUE	REC 072 (Remedial)	REC 701	Electronics Circuit Design Lab (B-1)			Project-I	
WED	REC 075 (Remedial)	ROE 074	REC 702	REC 072		Electronics Circuit Design Lab (B-2)	
THU	REC 072	REC 702	REC 075	REC 701		REC 075	REC 701 (Remedial)
FRI	REC 701 (Remedial)	REC 702	ROE 074	ROE 074		Project-I	
SAT							
CODE	SUBJECT	FACULTY	Code	Lab	FACULTY		
ROE 074	UHHAAF	PROF SAMEER ANAND (EN)	REC 751	Optical Communication Lab	PRAVEEN CHAURASIA		
REC 072	Digital Image Processing	PROF PRAVEEN CHAURASIA	REC 752	Electronics Circuit Design Lab	PANKAJ GOEL		
REC 075	Optical Communication	PROF SULEKHA SAXENA (EN)	REC 754	Project-I	Balwant Singh		
REC 701	Data Communication Networks	PROF JNV					
REC 702	VLSI Design	PROF PANKAJ GOEL					

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Prepared by:			Approved by: Director				
CLASS TT EC-2 4th YEAR (C-306)							
Academic Session 2020-21 (ODD)							
DAY/TIME	Period-1	Period-2	Period-3	Period-4	Break	Period-5	Period-6
	9:00-9:50	10:00-10:50	11:00-11:50	12:00-12:50	12:50-2:00 PM	2:00-2:50 PM	3:00-3:50
MON	ROE 074	REC 075	REC 702	REC 701	Lunch	Project-I	
TUE	REC 702 (Remedial)	REC 702	Project-I			Electronics Circuit Design Lab (B-1)	
WED	REC 075 (Remedial)	ROE 074	REC 701	REC 701		REC 072	REC 072
THU	Electronics Circuit Design Lab (B-2)		REC 075	REC 072		REC 075	REC 701 (Remedial)
FRI	REC 072 (Remedial)	REC 702	ROE 074	ROE 074		Optical Communication Lab	
SAT							
SAT CODE	SUBJECT	FACULTY	CODE	Lab	FACULTY		
ROE 074	Understanding the human being Comprehensively Human Aspiration audits fulfilment	PROF SAMEER ANAND (EN)	REC 751	Optical Communication Lab	PROF SULEKHA SAXENA (EN)		
REC 075	Optical Communication	PROF SULEKHA SAXENA (EN)	REC 752	Electronics Circuit Design Lab	NEERAJ JAIN		
REC 701	Data Communication Networks	PROF BALWANT SINGH					
REC 702	VLSI Design	DR NEERAJ JAIN	REC 754	Project-I	Balwant Singh		
REC 072	Digital Image Processing	PROF PRAVEEN CHAURASIA					

(Time Table Coordinator)

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IMS ENGINEERING COLLEGE FORMAT	IMSEC/QF/08b Page 1 of 1 Issue No: 01 Issue Date: 1 May 2010 Approved by: Director
Time Table Prepared by:	

CLASS TT EC 2ND YEAR (C-301)

Academic Session 2020-21 (Even)

DAY/TIME	Period-1	Period-2	Period-3	Period-4	Period-5	Break	Period-6	Period-7	Period-8
	8:50-09:50	09:50-10:40	10:40-11:30	11:30-12:20	12:20-01:10	01:10-02:00	02:00-02:50	02:50-03:40	03:40-04:30
MON (B-1)	KEC452 B-1		KEC403 (Remedial)	KOE-044	KVE401	LUNCH	KEC401 (Remedial)	KEC451 B-1 PC	
TUE (B-2)	KEC452 B-2		KEC403 (Remedial)	KOE-044	KVE401		KEC401 (Remedial)	KEC451 B-2 SS	
WED (B-1)	KEC453 B-1 _Lab 5		KOE-044	KEC402	KEC401		KEC403	KNC401	KEC402
THU (B-2)	KEC453 B-2 _Lab 5		KOE-044	KEC402	KEC401		KEC403	KNC401	KEC402
FRI (B-1)	KEC402 (Remedial)	KEC401	KEC403	KVE401	KEC403		KNC401	KEC402	KOE-044 (Remedial)
SAT (B-2)	KEC402 (Remedial)	KEC401	KEC403	KVE401	KEC403		KNC401	KEC402	KOE-044 (Remedial)

CODE	Subject	FACULTY	Code	Lab Name	FACULTY
KEC401	Communication Engineering	PROF SULEKHA SAXENA	KEC451	Communication Engineering Lab (B-1)	Prof. Praveen Chaurasia
KEC402	Analog Circuits	Prof. (Dr.)Praveen Kumar	KEC451	Communication Engineering Lab (B-2)	PROF SULEKHA SAXENA
KEC403	Signal System	Prof. Balwant Singh	KEC452	Analog Circuits Lab	Prof. (Dr.)Praveen Kumar
KNC401	Computer System Security	Prof Shipa Singhal (IT)	KEC453	Signal System Lab _Lab 5	Prof. Balwant Singh
KOE-044	Sensor & Instrumentation (ECE)	Prof. J. N. Vashishtha			
KVE401	Universal Human Values	Prof. Mubina			

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CLASS TT EC 3rd YEAR (C-303)									
Academic Session 2020-21(Even)									
DAY/TIME	Period-1	Period-2	Period-3	Period-4	Period-5	Break	Period-6	Period-7	Period-8
	8:50-09:50	09:50-10:40	10:40-11:30	11:30-12:20	12:20-01:10	01:10-02:00	02:00-02:50	02:50-03:40	03:40-04:30
MON (B-1)	KEC-601 (Remedial)	KEC-603	KEC-603	KOE-062	KNC602	LUNCH	KEC-061	KEC-061 (Remedial)	KEC-602
TUE (B-2)	KEC-601 (Remedial)	KEC-603	KEC-603	KOE-062	KNC602		KEC-061	KEC-061 (Remedial)	KEC-602
WED (B-1)	KEC-602 (Remedial)	KEC-602	KEC-603	KNC602	KEC-601		KOE-062	KEC-651 B-1	
THU (B-2)	KEC-602 (Remedial)	KEC-602	KEC-603	KEC-601	KNC602		KOE-062	KEC-651 B-2	
FRI (B-1)	KEC-601	KEC-652 B-1 _Lab 5		KEC-603	KEC-061		KOE-062 (Remedial)	KEC-653C B-1	
SAT (B-2)	KEC-601	KEC-652 B-2 _Lab 5		KEC-603	KEC-061		KOE-062 (Remedial)	KEC-653C B-2	
CODE	SUBJECT	FACULTY	Code	Lab	FACULTY				
KEC-601	Digital Communication	Prof. Balwant Singh	KEC-651	Digital Communication Lab	Prof. Balwant Singh				
KEC-602	Control System	Prof. (Dr.)Praveen Kumar	KEC-652 _Lab 5	Control System Lab	Prof. (Dr.) Praveen Kumar				
KEC-603	Antenna and Wave Propagation	Prof. Praveen Chaurasia	KEC-653C	Microcontroller & Embedded System Design	Dr RPS CHAUHAN				
KEC-061	Microcontroller & Embedded System Design	Dr RPS CHAUHAN							
KNC602	Indian Tradition, Culture and Society	prof Saroj Sir EN							
KOE-062	Embedded System	Prof Pankaj Goel							
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Prepared by:					Issue Date: 1 May 2010				
Approved by: Director					Approved by: Director				
CLASS TT EC 4TH YEAR (C-304)									
Academic Session 2020-21 (Even)									
DAY/TIME	Period-1 8:50-09:50	Period-2 09:50-10:40	Period-3 10:40-11:30	Period-4 11:30-12:20	Period-5 12:20-01:10	Break 01:10-02:00	Period-6 02:00-02:50	Period-7 02:50-03:40	Period-8 03:40-04:30
MON					REC085	LUNCH	REC080	ROE082 ECE	REC085 (Remedial)
TUE									
WED					REC080 (Remedial)		REC085	ROE082 ECE	REC080
THU									
FRI							REC085	ROE082 ECE	REC080
SAT									
CODE	SUBJECT	FACULTY	Code	Lab	FACULTY				
ROE082 ECE	Entrepreneurship Development	Prof Varun							
REC080	Electronic Switching	Prof. Praveen Chaurasia							
REC085	Wireless & Mobile Communication	Prof. Praveen Chaurasia							

(Time Table Coordinator)

HoD ECE



LESSON PLAN

Department: Electronics & Communication Engineering

Subject & Code: VLSI Design (REC-702)

Name of Faculty: Parvaz Gul

Text Book: TI: McQuinn, David N. Morris, CMOS VLSI Design: A Logic System Approach, Pearson Education

T2: Sing-mu King + Yusef Iktelbi, CMOS digital IC: Analysis, Design & Simulation, Wiley

Topics to be covered

Lecture No.	Unit	Topics to be covered
1	1	Introduction to VLSI Design, History, Reviews
2	1	VLSI Design flow - ASK & FPGA
3	1	CMOSET working, Types of MOSFETs
4	1	CMOS Logic - Introduction
5	1	CMOS Logic gates implt - Combinational ckt
6	1	" " " " " " " " " " " "
7	1	" " " " " " " " " " " "
8	1	" " " " " " " " " " " "
9	1	" " " " " " " " " " " "
10	1	CMOS fabrication Process using standard
11	1	" " " " " " " " " " " "
12	1	Layout design rules, layout of CMOS Inverter
13	1	CMOS layout of 2-input NAND, NOR gates
14	1	" " " " " " " " " " " "
15	1	Stick diagram
16	1	Design Rule book, Y-chart
17	1	Logic design, ESD design, Physical design
18	1	Design Verification, Fabrication, Packaging, Testing
19	2	Delay - Introduction, Propagation delay, Contamination delay
20	2	Transient response
21	2	RC delay model - Introduction, Inverter model
22	2	Analysis of 2-input logic gates (NAND) using RC model
23	2	" " " " " " " " " " " "
24	2	Linear delay model
25	2	" " " " " " " " " " " "
26	2	Logical effort of paths



LESSON PLAN

Year: 4th Semester: 3rd Section: 1724

Reference Books: R1: D.A. Pucknell and K. Chakrabartty, "Basic VLSI Design: System and Circuits", Prentice Hall, 1999

R2: R3: W. Wolf, "Modern VLSI Design: System Level", 3rd edition, Prentice Hall, 2001

Text Book Ref. Book Page No. & Sources	Date of Lecture Scheduled	Remarks
Test Book TI Page nos 1-6	10-08-20	10-08-20
Test Book TI Page nos 7-12	14-08-20	14-08-20
Test Book TI Page nos 13-15	17-08-20	17-08-20
TI Page nos 16-19	19-08-20	19-08-20
TI Page nos 20-21	21-08-20	21-08-20
TI Page nos 22-24	24-08-20	24-08-20
TI Page nos 25-27	26-08-20	26-08-20
TI Page nos 28-29	28-08-20	28-08-20
TI Page nos 30-31	31-08-20	31-08-20
TI Page nos 32-34	02-09-20	02-09-20
TI Page nos 35-37	07-09-20	07-09-20
TI Page nos 38-40	09-09-20	09-09-20
TI Page nos 41-43	11-09-20	11-09-20
TI Page nos 44-46	14-09-20	14-09-20
TI Page nos 47-49	15-09-20	15-09-20
TI Page nos 50-51	16-09-20	16-09-20
TI Page nos 52-55	18-09-20	18-09-20
TI Page nos 56-58	21-09-20	21-09-20
TI Page nos 59-61	23-09-20	23-09-20
TI Page nos 62-64	25-09-20	25-09-20
TI Page nos 65-67	28-09-20	28-09-20
TI Page nos 68-70	30-09-20	30-09-20
TI Page nos 71-73	02-10-20	02-10-20
TI Page nos 74-76	07-10-20	07-10-20
TI Page nos 77-79	09-10-20	09-10-20

Signature of Subject Teacher

Signature of HOD



LESSON PLAN

Department: Electronics & Communicati. Engineering

Subject & Code : VLSI Design (EEEC-702)

Name of Faculty: Prabhat Goyal

Text Book : T1:
T2:

Lecture No.	Unit	Topics to be covered
1	2	logical effect of Sathe - Examples
2	2	Timing Analysis Delay Model
3	2	Power - Intra function
4	2	Components of Dynamic Power dissipation
5	2	Techniques to reduce " " "
6	2	Components of Static Power Techniques to reduce " " " " " " " " " " " " " " " "
7	2	Energy delay optimization
8	3	Low Power Architecture
10	3	Interconnect : Introduction
11	3	" " Modelling
12	3	" " Impact
13	3	" " Engineering - Techniques to minimize
14	3	" " " " Techniques " Capacitance
15	3	Logical effect with wires
16	3	Design for Testability - Introduction
17	5	Controllability, observability, fault hygiene & inside
18	5	Scan based technique
19	5	" " " "
20	5	BIST technique, I.F.S.R.
21	5	Low-Power CMOS - Introduction
22	5	Overview of Power Concepts, Power Design Rough
23	5	Voltage Scaling, Switching Activity, Switched Capacitance
24	5	Adiabatic Logic
25	5	Dynamic logic cells - Basic Principle of Pass Dr
26	4	



LESSON PLAN

Year : 4th

Semester : 7th

Section : ECL1

Reference Books R1:

R2:

R3:

Test Book/Ref. Book Page No./e-Sources	Date of Lecture		Remarks
	Scheduled	Held	
Test Book T1 Page nos 165-167	12-10-20	12-10-20	
T1 Page nos 171,173-174	16-10-20	16-10-20	
T1 Page nos 181-182	16-10-20	16-10-20	
T1 Page nos 184-185	21-10-20	21-10-20	
T1 Page nos 186-188,189	25-10-20	25-10-20	
T1 Page nos 191-193	28-10-20	28-10-20	
T1 Page nos 199-200	30-10-20	30-10-20	
T1 Page nos 197-198	02-11-20	02-11-20	
T1 Page nos 200-201	04-11-20	04-11-20	
T1 Page nos 207-208	06-11-20	06-11-20	
T1 Page nos 211-212	07-11-20	07-11-20	
T1 Page nos 213-218	11-11-20	11-11-20	
T1 Page nos 220-224	18-11-20	18-11-20	
T1 Page nos 229-232	20-11-20	20-11-20	
T1 Page nos 233-234	09-12-20	09-12-20	
T1 Page nos 236-238	10-12-20	10-12-20	
(HOD) Test Book T2 Page nos 622-623	11-12-20	11-12-20	
T2 Page nos 626-628	11-12-20	11-12-20	
T2 Page nos 630-632	16-12-20	16-12-20	
T2 Page nos 634-634	17-12-20	17-12-20	
T2 Page nos 637-637	18-12-20	18-12-20	
T2 Page nos 640-640	30-12-20	30-12-20	
T2 Page nos 641-642	31-12-20	31-12-20	
T2 Page nos 643-643	01-01-21	01-01-21	
T2 Page nos 644-644	04-01-21	04-01-21	
T2 Page nos 645-645	07-01-21	07-01-21	

Signature of Subject Teacher

Signature of HOD



LESSON PLAN

Department: Electronics & Communication Engineering

Subject & Code: VLSI Design (REC-702)

Name of Faculty: Pantay Gopal

Text Book: T1:

T2:

Lecture No.	Unit	Topics to be covered
1	4	Synchronous dynamic CMOS techniques
2	4	dynamic CMOS "
3	4	Dynamic CMOS "
4	4	Semiconductor Procession-substrate
5	4	Dynamic CMOS
6	4	Static "
7	4	ROM, Flash memory
8		
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21		
22		
23		
24		
25		
26		

Signature of Subject Teacher

Signature of HOD



LESSON PLAN

Year: 4th Semester: 7th Section: 164

Reference Books R1:

R2:

R3:

Text Book/Ref. Book Page No./e-Sources	Date of Lecture		Remarks
	Scheduled	Held	
T2 Page nos. 374-378	04-01-24	07-01-24	
T2 Page nos. 379-380	07-01-24	08-01-24	
T2 Page nos. 381-383	08-01-24	11-01-24	
T2 Page nos. 405-407	11-01-24	13-01-24	
T2 Page nos. 410-415	13-01-24	14-01-24	
T2 Page nos. 418-450	14-01-24	18-01-24	
T2 Page nos. 451-470	15-01-24	20-01-24	



COURSE FILE

OF

Integrated Circuits

(KEC 501)

2020-2021

DEPARTMENT OF
ELECTRONICS & COMMUNICATION
ENGINEERING

IMS ENGINEERING COLLEGE, GHAZIABAD

Faculty Name: Praveen Kumar

Branch: Electronics and Communication *Engineering*

Semester: 5th

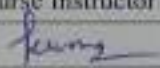
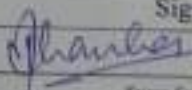
Session: 2020-21

Subject Name: Integrated Circuits

Subject Code: KEC 501

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Course File Cover Page	Issue No: 02
Prepared by: MR	Issue Date: 1 May 2010
	Approved by: Director

Particulars	
1.	Quality Policy (on left inside cover of Course File)
2.	Institute Mission and Vision
3.	Departmental Mission and Vision
5.	Program Outcomes (PO)
6.	Program Educational Objectives (PEO) and Program Specific Outcomes (PSO)
7.	Academic Calendar
8.	Time Table
9.	Student List
10.	University Evaluation Scheme
11.	Syllabus (Theory)
12.	Course Outcome, Mapping with PO/PSO
13.	Syllabus (Practical) with Experiment List mapped with Course Outcomes
14.	Topics beyond Syllabus
15.	Quiz/Assignment/Tutorial Records
16.	CT Question Paper (mapped with CO)
17.	Sessional Marks Analysis
18.	Lecture Notes/PPT
19.	Question Bank
20.	Last three years University Question Paper (AKTU) with Solution
21.	Attendance Register

Name and Signature of Course Instructor	Signature of HoD
Praveen K. 	
Space for Internal Auditor's Use	

IMSEC, GHAZIABAD

Department of Electronics and Communication Engineering

Vision of the Institution

Our vision is to impart vibrant, innovative and global education to make IMS the world leader in terms of excellence of education, research and to serve the nation in the 21st century.

Mission of the Institution:

- To develop IMSEC as a centre of Excellence in Technical and Management education.
- To inculcate in its students the qualities of Leadership, Professionalism, Executive competence and corporate understanding.
- To imbibe and enhance Human Values, Ethics and Morals in our students.
- To transform students into Globally Competitive professionals.

Vision (Department):

To produce highly competent engineers by imparting innovative and accomplished information through global education and adequately prepare them to face the challenges of outside world by fulfilling the requirements of Electronics & Communication industries.

Mission (Department):

- To make the department a centre of excellence in Electronics & Communication Engineering and to produce eminent engineers.
- To inculcate professionalism, team work, leadership qualities by imbibing high human values and professional ethics, in students.
- To enhance the employability of students by giving inter-disciplinary knowledge to meet the need of society and become globally competitive professionals.
- To become a centre for research in the stream of Electronics & Communication Engineering and to provide excellent learning environment for researchers by promoting research activities in the department.

IMSEC, GHAZIABAD

Department of Electronics and Communication Engineering

PROGRAM OUTCOMES (POs)

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.
2. **Problems analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design development and solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety and cultural, societal and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources and modern engineering IT tools, including prediction and limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
8. **Ethics:** Apply ethical principles, commit to professional ethics, responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, as a member or leader in diverse teams and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with the society at large. To be able to comprehend and write effective reports, design documentation, make presentations, give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge, understanding of the engineering and management principles. Apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for and have the preparation, ability to engage in independent and life-long learning in the broadest context of technological change.

IMSEC, GHAZIABAD

Department of Electronics and Communication Engineering

Program Educational Objectives (PEOs)

- PEO1: Graduates will excel in Electronics & Communication Engineering, both in industrial and academic sector by applying their technical skills and knowledge in a professional manner.
- PEO2: Graduates will be capable of effectively analyzing and solving engineering problems utilizing appropriate techniques and advanced engineering tools.
- PEO3: Graduates will be capable of applying their knowledge both in individual and multidisciplinary environments. They will also demonstrate excellent communication skills and caliber to work as a team.
- PEO4: Graduates will realize the significance of environmental concerns while keeping safety, ethical and societal values into consideration.
- PEO5: Graduates will be capable of implementing outputs derived from research based knowledge in projects, analysis and interpretation of data leading to development of new processes and systems.

IMSEC, GHAZIABAD

Department of Electronics and Communication Engineering

PROGRAM SPECIFIC OUTCOMES (PSOs)

At the end of the program, the students will have:

1. An ability to exhibit knowledge acquired from mathematics, *engineering fundamentals*, Electronics & Communication engineering and related fields for *professional excellence* in industry and research organizations.
2. An ability to solve and communicate complex Electronics and Communication Engineering problems, using latest hardware and software tools, along with analytical skills to arrive at cost effective and appropriate solutions.
3. Wisdom of social and environmental awareness along with ethical responsibility to have a successful career and to sustain passion and zeal for real-world applications using optimal resources as an Entrepreneur.
4. An ability to select appropriate techniques , resources for execution of projects and function effectively as an individual as well as a team member in multidisciplinary *course* environments.

**IMS ENGINEERING COLLEGE, GHAZIABAD
ACADEMIC CALENDAR (As per AKTU) (ODD SEM: 2020 - 21) [Version-1]**

Oct-20						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	
T/W Days : 19/21						

Nov-20						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						
T/W Days : (16+3)/20						

Dec-20						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	
T/W Days : 17/24						

Jan-21						
M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
T/W Days : 15/22						

Feb-21						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29						
T/W Days : 20/22						

Mar-21						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
T/W Days : 5/23						

IMPORTANT DATES	HOLIDAYS	EXAMINATION / CLASS TEST
Commencement of Classes for 2nd, 3rd & 4th Yr: 5 th Aug <input type="checkbox"/> Commencement of Classes for 1st & 2nd (Later) 25 th NOV <input type="checkbox"/> Upload Assignment (Important Dates) <input type="checkbox"/>	14, 15 & 16 NOV (SAT, SUN & MON): Deepawali 30-NOV (MON) : Guru Nanak's B'day 25-DEC (FRS) : Christmas Day 11-MAR (THU) : Maha Shivratri 28-MAR (SUN) : Holika Dahan 29-MAR (MON) : Holi	CT-1 : 2 nd DEC to 8 th DEC, 2020 <input type="checkbox"/> CT-2 : 19, 21, 26, 28-DEC, 1, 4 JAN 2021 <input type="checkbox"/> PUT : 16 th JAN to 23 rd JAN, 2021 <input type="checkbox"/> (3 rd & 4 th Year AKTU External) AKTU End Sem Exam (01-FEB to 20-FEB, 2021) <input type="checkbox"/> (1 st & 2 nd Year AKTU External) AKTU End Sem Exam (08-MAR to 26-MAR, 2021) <input type="checkbox"/> AKTU End Sem Practical Examination <input type="checkbox"/>

Total Teaching Days/Working Days (T/W) : 60/132 [95/132]

Faculty members are requested to 1) Upload the attendance after completion of the class (L/T/P) itself on the same day.
2) Upload / Check / Submit the assignment as per schedule (weekly).

IMS ENGINEERING COLLEGE
 FORMAT
 IMSEC/QF/08b
 Page 1 of 1
 Issue No: 01
 Time Table
 Issue Date: 1 May 2010
 Prepared by:
 Approved by: Director
CLASS TT EC-2 4th YEAR (C-306)
 Academic Session 2020-21 (ODD)

DAY/TIME	Period-1	Period-2	Period-3	Period-4	Break	Period-5	Period-6
MON	9:00-9:50	10:00-10:50	11:00-11:50	12:00-12:50	12:50-2:00 PM	2:00-2:50 PM	3:00-3:50 PM
TUE	KEC-501	KEC-501	KEC-501			Electronics Devices Lab	
WED			KEC-501				
THU		KEC-501				KEC-501	
FRI	KEC-501			KEC-501			
SAT							

CODE	Subject	FACULTY	Code	Lab Name
KEC-501	Integrated Circuits	PROF PRAVEEN KUMAR	KEC 351	Electronics Devices Lab
		PROF PRAVEEN KUMAR	KEC 351	Integrated Circuits Lab

IMS ENGINEERING COLLEGE GHAZIABAD
ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

EC 3rd year

S.No.	Roll No.	Name	Student No.	Father No.
1	1714331042	RAHUL SINGH	8512846443	
2	1814331002	AASHI SINGH	9760844799	7253090799
3	1814331004	ABHISHEK KANDPAL	8929297923	9810334103
4	1814331003	ABHISHEK KUMAR	7352133304	9348555526
5	1814331005	ADITYA KUMAR	7524056794	9598271523
6	1814331006	ADITYA PANDEY	9628647442	9005808762
7	1814331007	AKHIL RUHELA	7838954908	9953004133
8	1814331008	AKSHAY VERMA	7017889514	9410267058
9	1814331009	ALI MAJAZ	8191919749	9634371978
10	1814331010	AMAN SAIFI	9897940786	9897940786
11	1814331011	ANIRUDH MANOJ	8006060404	8006060404
12	1814331012	ANMOL SHARMA	8588861488	9871589567
13	1814331013	ANSHUL SHARMA	9899062918	7428572447
14	1814331014	ANTRIKSH SAXENA	8057290569	9639971946
15	1814331015	ANUBHAV SINGH	9536712418	6396061138
16	1814331016	ARBAZ AKHTAR	7905325543	9540080461
17	1814331028	ARMAN SHAH	9910636028	9958139757
18	1814331017	ARPIT SONI	7607524723	8423002715
19	1814331018	ASHISH CHAUDHARY	7453039250	9719057509
20	1814331019	ASHISH SHARMA	9105212161	9927365600
21	1814331020	AYUSH SAINI	7060050264	9368007688
22	1814331021	HARDIK RASTOGI	8265983373	9837048602
23	1814331022	HARSH JAISWAL	7651966994	9450630124
24	1814331023	JATIN AGARWAL	8171008360	9897046135
25	1814331024	JATIN RANA	9311663355	9871023868
26	1814331025	JAYA SINHA	9354773714	8966841558
27	1814331026	KRITIKA NATH	7530845511	9971381759
28	1814331032	MANIK CHOUDHARY	8082640017	9055072582
29	1814331027	MANSI SAXENA	9794790063	9044879071
30	1814331029	MUDIT PRATAP SINGH	9415998182	9451466553

31	1814331030	MUKUL CHAUHAN	8859977600	8859977600
32	1814331031	MUNESH KUMAR SINGH	7007912346	9952709172
33	1814331033	NIKHIL KUMAR	8192828586	9410653845
34	1814331034	NISHA	9821151993	9716598366
35	1814331035	NITESH UPADHYAY	8006041323	8006041323
36	1814331036	PRABHAT MITTAL	9457625151	9410224751
37	1814331037	PRADEEP DUBEY	9598900234	7532989975
38	1814331038	PRAKHAR TRIVEDI	9554604065	9415474508
39	1814331039	RACHIT GARG	9717182905	9667223326
40	1814331040	RISHABH GUPTA	7081168512	9026374265
41	1814331041	RIYA AGARWAL	9412659808	9837654012
42	1814331042	SAKSHI VARSHNEY	7455007178	9058464594
43	1814331043	SARANSH RAI	9682290100	9532706590
44	1814331044	SARTHAK GUPTA	9784546866	9887859633
45	1814331045	SAURABH GUPTA	8382814157	9984160785
46	1814331046	SHASHWAT DWIVEDI	9161133639	9090973080
47	1814331047	SHELENDRA RAGHAV	9868937012	8130603668
48	1814331048	SHIVAM KATIYAR	9354483513	9654958542
49	1814331049	SHIVANGI MISHRA	9532215002	8800108462
50	1814331050	SUPREET DEOL	8160586479	9927647574
51	1814331051	TANISH VARSHNEY	7906229438	9219758815
52	1814331052	TANISHKA VATS	8810335918	9599612689
53	1814331053	TUSHAR KUMAR	7906365288	7060153909
54	1814331054	UTKARSH SINGH	6351611541	7228888653
55	1814331055	VED PRAKASH SHARMA	9472207260	9631623631
56	1814331056	VISHAL RANA	7839801507	8650664356
57	1814331057	YASH DIXIT	8279724868	9917022660
58	1814331058	YASHASVI SINGH	9956441270	9918164501

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		
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)										
Total											950	22

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

Course Code

Course Title

Department Elective-I

- KEC-051 Computer Architecture and Organization
- KEC-052 Industrial Electronics
- KEC-053 VLSI Technology
- KEC-054 Advance Digital Design using Verilog

Department Elective-II

- KEC-055 Electronics Switching
- KEC-056 Advance Semiconductor Device
- KEC-057 Electronics Measurement & Instrumentation
- KEC-058 Optical Communication

ELECTRONICS AND COMMUNICATION ENGINEERING

KEC-501	INTEGRATED CIRCUITS	3L:1T:0P	4 Credits
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Unit	Topics	Lectures
I	The 741 IC Op-Amp: General operational amplifier stages (bias circuit, the input stage, the second stage, the output stage, short circuit protection circuitry), device parameters, DC and AC analysis of input stage, second stage and output stage, gain, frequency response of 741, a simplified model, slew rate, relationship between ft and slew rate.	8
II	Linear Applications of IC Op-Amps: Op-Amp based V-I and I-V converters, instrumentation amplifier, generalized impedance converter, simulation of inductors. Active Analog filters: Sallen Key second order filter, Designing of second order low pass and high pass Butterworth filter, Introduction to band pass and band stop filter, all pass active filters, KHN Filters. Introduction to design of higher order filters.	8
III	Frequency Compensation & Nonlinearity: Frequency Compensation, Compensation of two stage Op-Amps, Slewing in two stage Op-Amp, Nonlinearity of Differential Circuits, Effect of Negative feedback on Nonlinearity. Non-Linear Applications of IC Op-Amps: Basic Log-Anti Log amplifiers using diode and BJT, temperature compensated Log-Anti Log amplifiers using diode, peak detectors, sample and hold circuits. Op-amp as a comparator and zero crossing detector, astable multivibrator & monostable multivibrator. Generation of triangular waveforms, analog multipliers and their applications.	4 8
IV	Digital Integrated Circuit Design: An overview, CMOS logic gate circuits basic structure, CMOS realization of inverters, AND, OR, NAND and NOR gates. Latches and Flip flops: the latch, CMOS implementation of SR flip-flops, a simpler CMOS implementation of the clocked SR flip-flop, CMOS implementation of J-K flip-flops, D flip-flop circuits.	6
V	Integrated Circuit Timer: Timer IC 555 pin and functional block diagram, Monostable and Astable multivibrator using the 555 IC. Voltage Controlled Oscillator: VCO IC 566 pin and functional block diagram and applications. Phase Locked Loop (PLL): Basic principle of PLL, block diagram, working, Ex-OR gates and multipliers as phase detectors, applications of PLL.	6

Text Book:

1. Microelectronic Circuits, Sedra and Smith, 7th Edition, Oxford, 2017.
2. Behzad Razavi: Design of Analog CMOS Integrated Circuits, TMH

Reference Books:

1. Gayakwad: Op-Amps and Linear Integrated Circuits, 4th Edition Prentice Hall of India, 2002.
2. Franco, Analog Circuit Design: Discrete & Integrated, TMH, 1st Edition.
3. Salivahnan, Electronics Devices and Circuits, TMH, 3rd Edition, 2015
4. Millman and Halkias: Integrated Electronics, TMH, 2nd Edition, 2010

Course Outcomes: At the end of this course students will demonstrate the ability to:

1. Explain complete internal analysis of Op-Amp 741-IC.
2. Examine and design Op-Amp based circuits and basic components of ICs such as various types of filter.
3. Implement the concept of Op-Amp to design Op-Amp based non-linear applications and wave-shaping circuits.
4. Analyse and design basic digital IC circuits using CMOS technology.
5. Describe the functioning of application specific ICs such as 555 timer, VCO IC 566 and PLL.

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		Issue No: 02	
Tutorials/ Assignments/ Quizzes		Issue Date: 1 May 2010	
Prepared by: MR		Approved by: Director	
Subject Name : Integrated Circuit		Subject Code	KEC-501
Date of Handout : 21-08-2020		Max Marks	
Date of Submission : 27-08-2020			

ASSIGNMENT 1

- Q.1** Explain the virtual short circuit concept in op-amp.
- Q.2** Define the following term with reference to op-amp
- (i) CMRR (ii) Slew rate (iii) PSRR
- (iv) Input offset voltage (v) Bias current
- Q.3** Realize generalized impedance converter (GIC) with op-amp. How the inductor is simulated using this GIC.
- Q.4** Draw the following Circuit using op-amp
- (i) Weighted Summer (ii) Difference Amplifier
- (iii) V-I converter (iv) I-V Converter

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	Issue No: 02	
Tutorials/ Assignments/ Quizzes	Issue Date: 1 May 2010	
Prepared by: MR	Approved by: Director	
Subject Name : Integrated Circuit	Subject Code	KEC-501
Date of Handout : 04-09-2020	Max Marks	
Date of Submission : 15-09-2020		

ASSIGNMENT 2

- Q.1 Draw a second order low-pass and high pass filter and derive its transfer function.
- Q.2 Design a second order low pass butterworth filter having upper cut-off frequency of 1KHz and a passband gain of 2.
- Q.3 What do you understand by band pass filter? Explain the designing of 2nd order band pass filter using 1st order high pass and low pass filter.
- Q.4 Draw the single op-amp narrow band pass filter circuit and derive its transfer function. Determine the expression of its center frequency, quality factor and bandwidth in terms of filter components.
- Q.5 What is a notch filter? Draw and explain the circuit diagram of a notch filter

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	Issue No: 02	
Tutorials/ Assignments/ Quizzes	Issue Date: 1 May 2010	
Prepared by: MR	Approved by: Director	
Subject Name : Integrated Circuit	Subject Code	KEC-501
Date of Handout : 11-09-2020	Max Marks	
Date of Submission : 18-09-2020		

ASSIGNMENT 3

- Q.1 Draw and explain the circuit diagram of two integrator loop biquad filter (KHN filter)
- Q.2 Draw and explain the circuit of temperature compensated logarithmic amplifier.
- Q.3 Draw and explain the circuit of temperature compensated anti-logarithmic amplifier.
- Q.4 Write short note on analog multiplier.

IMS ENGINEERING COLLEGE	IMSEC/QF/48	
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	Issue No: 02	
Tutorials/ Assignments/ Quizzes	Issue Date: 1 May 2010	
Prepared by: MR	Approved by: Director	
Subject Name : Integrated Circuit	Subject Code	KEC-501
Date of Handout : 06-11-2020	Max Marks	
Date of Submission : 12-11-2020		

ASSIGNMENT 4

- Q.1** Draw and explain the circuit of square wave generator using op-amp.
- Q.2** Explain monostable multivibrator using op-amp.
- Q.3** Draw the circuit diagram of CMOS inverter and explain its transfer characteristics.
- Q.4** List the advantage of CMOS logic family
- Q.5** Draw the CMOS realization of the following Boolean expression
- a) $Y = \overline{A + B(C + D)}$ b) $Y = \overline{(A + B).C + D}$
- c) $Y = \overline{A + (B + C) + D.E}$ d) $Y = AB + \overline{A}\overline{B}$ e) $Y = AB + C$
- Q.6** Discuss the features of CMOS circuit. Realize one AND-OR-INVERT (AOI) and one OR- AND-INVERT (OAI) function using CMOS logic circuit.

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Tutorials/ Assignments/ Quizzes		Issue Date: 1 May 2010	
Prepared by: MR		Approved by: Director	
Subject Name	: Integrated Circuit	Subject Code	KEC-501
Date of Handout	: 12-11-2020	Max Marks	
Date of Submission	: 18-11-2020		

ASSIGNMENT 5

- Q.1** Give a CMOS logic circuit that realizes the function of three input odd parity checker. Specifically, the output is to be high when an odd number (1 or 3) of the input are high. Attempt a design with 10 transistors (not counting those in the inverters) in each of the PUN and PDN.
- Q.2** Design a CMOS full adder circuit with three inputs A, B, C and two output S and C_0 .
- Q.3** Sketch the CMOS implementation of SR flip-flop and explain its working.
- Q.4** Draw the D-flip flop using CMOS. Also draw and explain its master slave configuration.

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		Issue No: 02	
Tutorials/ Assignments/ Quizzes		Issue Date: 1 May 2010	
Prepared by: MR		Approved by: Director	
Subject Name	: Integrated Circuit	Subject Code	KEC-501
Date of Handout	: 08-01-2021	Max Marks	
Date of Submission	: 14-01-2021		

ASSIGNMENT 6

- Q.1** Explain the functional circuitry of 555 timer IC. Also list the application of 555 IC.
- Q.2** Describe the operation of monostable multivibrator using 555 timer and derive the expression for time delay.
- Q.3** Explain the operation of astable multivibrator using 555 timer and derive the expression for output frequency.
- Q.4** Explain the working of PLL with suitable diagram.

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	Issue No: 02	
Tutorials/ Assignments/ Quizzes	Issue Date: 1 May 2010	
Prepared by: MR	Approved by: Director	
Subject Name : Integrated Circuit	Subject Code	KEC-501
Date of Handout : 15-01-2021	Max Marks	
Date of Submission : 21-01-2021		

ASSIGNMENT 7

- Q.1** Define the following terms in reference to PLL-
(a) Capture range (b) Lock in range (c) Pull in time
- Q.2** Write a short note on Ex-OR phase detector.
- Q.3** How the short circuit protection is achieved in the output stage of 741 op-amp?
- Q.4** Draw and explain the frequency response of 741 IC.
- Q.5** Define the slew rate. Also derive the relationship between f_t and slew rate for the IC 741.

Dashboard
(http://52.66.16.110/user#/dashboard)

Module (http://52.66.16.110/user#/module_list)

Assignment

Assignment

Student Wise Assignment Report

Faculty Wise Assignment Report

Section Wise Assignment Report

Course

B.Tech

Stream

Electronics & Communication

Year

3 Year

Subject

Integrated Circuits (KEC 501)

Section

EC1

#	Registered	Batch	Status	Roll No	Student Name	Assignment 07	Assignment 06	Assignment 05	Assignment 04	Assignment 03	Assignment 02	Assignment 01	Total
1	Yes	EC1	Regular	1714331042	RAHUL SINGH	1	0	1	1	1	1	1	6
2	Yes	EC1	Regular	1814331002	AASHI SINGH	1	1	0	1	1	1	1	6
3	Yes	EC1	Regular	1814331003	ABHISHEK KUMAR	1	1	1	1	1	1	1	7
4	Yes	EC1	Regular	1814331004	ABHISHEK KANDPAL	1	1	1	1	1	1	1	7
5	Yes	EC1	Regular	1814331005	ADITYA KUMAR	1	1	1	1	1	1	0	6
6	Yes	EC1	Regular	1814331006	ADITYA PANDEY	1	1	1	1	1	1	1	7
7	Yes	EC1	Regular	1814331007	AKHIL RUHELA	1	1	1	1	1	1	1	7
8	Yes	EC1	Regular	1814331008	AKSHAY VERMA	1	1	1	0	1	1	1	6
9	Yes	EC1	Regular	1814331009	ALI MAJAZ	1	1	1	1	1	1	1	7
10	Yes	EC1	Regular	1814331010	AMAN SAIFI	1	1	1	1	1	1	1	7
11	Yes	EC1	Regular	1814331011	ANIRUDH MANOJ	0	0	0	1	1	1	1	4
12	Yes	EC1	Regular	1814331012	ANMOL SHARMA	1	1	1	1	1	1	1	7
13	Yes	EC1	Regular	1814331013	ANSHUL SHARMA	1	1	1	1	1	1	1	7
14	Yes	EC1	Regular	1814331014	ANTRIKSH SAXENA	1	1	1	1	1	1	1	7
15	Yes	EC1	Regular	1814331015	ANUBHAV SINGH	1	1	1	1	1	1	1	7
16	Yes	EC1	Regular	1814331016	ARBAZ AKHTAR	1	1	1	1	1	1	1	7
17	Yes	EC1	Regular	1814331017	ARPIT SONI	1	1	1	1	1	1	1	7
18	Yes	EC1	Regular	1814331018	ASHISH CHAUDHARY	1	1	0	1	1	1	1	6
19	Yes	EC1	Regular	1814331019	ASHISH SHARMA	1	1	1	1	1	1	1	7
20	Yes	EC1	Regular	1814331020	AYUSH SAINI	0	1	0	0	1	1	1	4
21	Yes	EC1	Regular	1814331021	HARDIK RASTOGI	1	1	1	1	1	1	1	7
22	Yes	EC1	Regular	1814331022	HARSH JAISWAL	1	1	1	1	1	1	1	7
23	Yes	EC1	Regular	1814331023	JATIN AGARWAL	1	1	1	1	1	1	1	7
24	Yes	EC1	Regular	1814331024	JATIN RANA	1	1	1	1	1	1	1	7

(http://52.66.16.110)

Dashboard
(http://52.66.16.110/user#/dashboard)

Module (http://52.66.16.110/user#/module_list)

Assignment

Assignment

Student Wise Assignment Report

Faculty Wise Assignment Report

Section Wise Assignment Report

#	Registered	Batch	Status	Roll No	Student Name	Assignment 07	Assignment 06	Assignment 05	Assignment 04	Assignment 03	Assignment 02	Assignment 01	Total
25	Yes	EC1	Regular	1814331025	JAYA SINHA	1	1	1	1	1	1	1	7
26	Yes	EC1	Regular	1814331026	KRITIKA NATH	1	1	1	1	1	1	0	6
27	Yes	EC1	Regular	1814331027	MANSI SAXENA	1	1	1	1	1	1	1	7
28	Yes	EC1	Regular	1814331028	ARMAN SHAH	1	1	1	1	1	1	1	7
29	Yes	EC1	Regular	1814331029	MUDIT PRATAP SINGH	1	1	1	1	1	1	1	7
30	Yes	EC1	Regular	1814331030	MUKUL CHAUHAN	1	1	1	1	1	1	1	7
31	Yes	EC1	Regular	1814331031	MUNESH KUMAR SINGH	1	1	0	1	0	1	1	5
32	Yes	EC1	Regular	1814331032	MANIK CHOUDHARY	1	1	1	1	1	1	1	7
33	Yes	EC1	Regular	1814331033	NIKHIL KUMAR	0	1	1	1	1	1	1	6
34	Yes	EC1	Regular	1814331034	NISHA .	1	1	1	1	1	1	1	7
35	Yes	EC1	Regular	1814331035	NITESH UPADHYAY	1	1	1	1	1	1	1	7
36	Yes	EC1	Regular	1814331036	PRABHAT MITTAL	1	1	1	1	1	1	1	7
37	Yes	EC1	Regular	1814331037	PRADEEP DUBEY	1	1	1	1	1	1	1	7
38	Yes	EC1	Regular	1814331038	PRAKHAR TRIVEDI	1	0	0	0	1	1	0	3
39	Yes	EC1	Regular	1814331039	RACHIT GARG	1	1	1	1	1	1	1	7
40	Yes	EC1	Regular	1814331040	RISHABH GUPTA	1	0	1	1	1	1	1	6
41	Yes	EC1	Regular	1814331041	RIYA AGARWAL	1	1	1	1	1	1	1	7
42	Yes	EC1	Regular	1814331042	SAKSHI VARSHNEY	1	1	1	1	1	1	1	7
43	Yes	EC1	Regular	1814331043	SARANSH RAI	1	1	1	1	1	1	1	7
44	Yes	EC1	Regular	1814331044	SARTHAK GUPTA	1	1	1	1	1	1	1	7
45	Yes	EC1	Regular	1814331045	SAURABH GUPTA	1	1	1	1	1	1	1	7
46	Yes	EC1	Regular	1814331046	SHASHWAT DWIVEDI	0	1	1	1	1	1	1	6
47	Yes	EC1	Regular	1814331047	SHELENDRA RAGHAV	1	0	0	0	1	1	0	3
48	Yes	EC1	Regular	1814331048	SHIVAM KATIYAR	1	1	1	1	1	1	1	7
49	Yes	EC1	Regular	1814331049	SHIVANGI MISHRA	1	1	1	1	1	1	1	7
50	Yes	EC1	Regular	1814331050	SUPREET DEOL	1	1	1	1	1	1	1	7
51	Yes	EC1	Regular	1814331051	TANISH VARSHNEY	1	1	1	1	1	1	1	7
52	Yes	EC1	Regular	1814331052	TANISHKA VATS	1	1	1	1	1	1	1	7
53	Yes	EC1	Regular	1814331053	TUSHAR KUMAR	1	1	1	1	1	1	1	7
54	Yes	EC1	Regular	1814331054	UTKARSH SINGH	0	1	1	1	1	1	1	6
55	Yes	EC1	Regular	1814331055	VED PRAKASH SHARMA	1	1	1	1	1	1	1	7
56	Yes	EC1	Regular	1814331056	VISHAL RANA	1	1	1	1	1	1	1	7

IMS ENGINEERING COLLEGE, GZB									
Sessional Question Paper					IMSEC/QF/49				
					Page 1 of 1				
					Issue no: 02				
					Issue date: 1 May 2010				
1 st Sessional Examination (CT-1), Odd Sem. 2020-21									
Subject Name: Integrated Circuits					Subject code		KEC 501		
Roll No. of student					Max Marks		30		
					Max time		1:30hrs		
For ECE 3 rd Year					Approved By Director				

Note: Attempt any *six* questions

(6×5=30)

- Q.1** Explain the circuit of instrumentation amplifier in detail.
- Q.2** Realize generalized impedance converter (GIC) with op-amp. How the inductor is simulated using this GIC.
- Q.3** Draw the circuit of KHN biquad filter and derive the expression of its voltage gain.
- Q.4** What is a notch filter? Draw and explain the circuit diagram of a notch filter.
- Q.5** (i) Design a wide band pass filter with $f_L = 200\text{Hz}$, $f_H = 1\text{KHz}$ and a pass band gain of 4.
(ii) Design a second order Butterworth high pass filter with cut-off frequency of 1KHz.
- Q.6** Draw and explain the circuit of temperature compensated logarithmic amplifier.
- Q.7** Draw and explain the circuit of square wave generator (astable multivibrator) using op-amp and derive the expression of output frequency.
- Q.8** Explain the circuit of monostable multivibrator using op-amp and derive the expression of pulse width.

For office use only				
Course Outcomes and Question mapping matrix				
CO1	CO2	CO3	CO4	CO5
-	Q1, Q.2, Q.3, Q.4, Q.5	Q.6, Q.7, Q.8	-	-

IMS ENGINEERING COLLEGE, GZB						
Sessional Question Paper				IMSEC/QF/49		
				Page 1 of 1		
				Issue no: 02		
				Issue date: 1 May 2010		
Sessional Examination (CT-2), Odd Sem. 2020-21						
Subject Name: Integrated Circuits				Subject code		KEC 501
Roll No. of student				Max Marks		30
					Max time	1:30hrs
For ECE 3 rd Year				Approved By Director		

Note: Attempt any *Five* questions

(3×5=15)

- Q.1** What are the advantages of CMOS logic family/
Q.2 Why NAND Gate is preferred over NOR Gate in CMOS logic design?
Q.3 Draw the Pin diagram of 555 IC and also list the application of 555 IC.
Q.4 Draw the block diagram of PLL and also write the application of PLL.
Q.5 Define Lock in range, Capture range and Pull in time.
Q.6 Give the CMOS implementation of the Boolean expression- $Y = \overline{BC + A(D + E)}$.
Q.7 Realize the following Boolean expression using CMOS.
 $Y = \overline{(A + B). (C + D). (E + G + (G.H))}$

For office use only				
Course Outcomes and Question mapping matrix				
CO1	CO2	CO3	CO4	CO5
-	-	-	Q1, Q.2, Q.6, Q.7	Q.3, Q.4, Q.5

IMS ENGINEERING COLLEGE, GZB									
Sessional Question Paper					IMSEC/QF/49				
					Page 1 of 1				
					Issue no: 02				
					Issue date: 1 May 2010				
Pre-University Test, Odd Sem. 2020-21									
Subject Name: Integrated Circuits					Subject code		KEC 501		
Roll No. of student					Max Marks		100		
					Max time		3 hrs		
For ECE 3 rd Year					Approved By Director				

Time: 3 hours

Total Marks: 100

Note: - All sections are compulsory. If require any missing data; then choose suitably.

Section-A

Q.1 This question consists of short answer questions. Attempt **all parts** of this question. All parts carry equal marks. *(2×10 = 20)*

- a. Define and give significance of Slew Rate.
- b. Write the advantage of voltage follower circuit.
- c. Write the advantage of active filter over passive filter.
- d. What do you mean by a frequency response of a filter circuit?
- e. Write the application of analog multiplier.
- f. Draw the circuit of comparator circuit using op-amp.
- g. What are the advantages of CMOS logic family?
- h. Draw the basic structure of CMOS inverter.
- i. What is the chip number of phase locked loop and voltage controlled oscillator?
- j. List the application of PLL.

Section-B

Q.2 Attempt **any Three** parts of this question. All parts carry equal marks. *(10×3 = 30)*

- a. Determine the small-signal model of the second stage of the 741 op-amp.
- b. Draw the generalized impedance converter and derive its impedance equation. Also simulate an Inductor.
- c. Draw and explain the circuit of temperature compensated logarithmic amplifier.
- d. Give CMOS implementation of a SR flip-flop and explain its working.
- e. Draw the block diagram of a PLL and explain its operation. Explain lock-in-range, capture range and pull-in time of a PLL.

Section-C

Q.3 Attempt any one part of the following: *(10×1 =10)*

- a. Find out the overall gain of the 741 IC op-amp giving its cascaded equivalent circuit derived for its three stages. Also derive the relationship between f_T and slew rate for IC 741.
- b. (i) How the short circuit protection is achieved in the output stage of 741 IC.
(ii) Draw and explain the frequency response of 741 IC.

Q.4 Attempt any one part of the following: *(10×1 =10)*

- a. Draw the circuit of KHN filter and derive the expression for its voltage gain.
- b. Design a wide band pass filter with lower and upper 3dB frequency of 200Hz and 1kHz respectively and pass band gain of 4.

Q.5 Attempt any one part of the following: *(10×1 =10)*

- a. Give the CMOS realization of the following
 - (i) Two input Ex-OR gate
 - (ii) $Y = ABC+D$
 - (iii) $Y = \overline{(A + B).C + D}$
- b. Draw the D-flip flop using CMOS. Also draw and explain its master slave configuration.

Q.6 Attempt any one part of the following: *(10×1 =10)*

- a. Draw and explain the square wave generator (astable multivibrator) using op-amp and derive the expression of the frequency of output.
- b. (i) Draw and explain the circuit of peak detector using op-amp.
(ii) Draw and explain the circuit of sample and hold circuit using op-amp.

Q.7 Attempt any one part of the following: *(10×1 =10)*

- a. Explain the functional diagram of IC 555. Derive the expression of time delay of mono stable multivibrator using 555 IC.
- b. Design a 555 timer as astable multivibrator giving its block diagram which provide an output signal frequency of 2 kHz and 75 % duty cycle.

For office use only				
Course Outcomes and Question mapping matrix				
CO1	CO2	CO3	CO4	CO5
Q.1 (a), Q.2(a), Q.3	Q.1 (b), Q.1(c), Q.(d), Q.2(b), Q.4	Q.1 (e), Q.1(f), Q.2(c), Q.5	Q.1 (g), Q.1(h), Q.2(d), Q.6	Q.1 (i), Q.1(j), Q.2(e), Q.7

IMS Engineering College, Ghaziabad
Department of Electronics and Communication Engineering

Question Bank of Integrated Circuits (KEC-501)

1. Describe what is meant by output circuit protection and explain how it is achieved in the output stage of IC 741.
2. Determine the small-signal model of the second stage of the 741 op-amp.
3. Find the overall gain of of an IC 741 giving it cascaded equivalent circuit derived for its three stages.
4. Discuss the frequency response of 741opamp.
5. Derive the relation between unity-gain bandwidth and slew rate.
6. Draw the V-I converter and derive its output voltage equation.
7. What is Sallen key filter? Explain its working as low-pass equal component filter.
8. Draw a second order low-pass filter and drive its transfer function. Design a second order low pass butterworth filter having upper cut-off frequency of 1kHz and passband gain of 2.
9. Draw a second order high -pass filter and drive its transfer function. Design a second order high pass butterworth filter having lower cut-off frequency of 1kHz and passband gain of 2.
10. What do you understand by band pass filter? Draw the single op-amp narrow band pass filter circuit and derive its transfer function. Calculate its center frequency, quality factor and bandwidth in terms of filter components.
11. What is a notch filter? Draw and explain the circuit diagram of a notch filter.
12. Derive the expression of voltage gain in KHN biquad filter.
13. Draw the circuit diagram of CMOS inverter and explain its transfer characteristics. What are the advantages of CMOS technology?
14. Discuss the feature of CMOS circuit. Realize one AND-OR-INVERT (AOI) and one OR-AND-INVERT (OAI) function using CMOS logic circuit.
15. Sketch the CMOS realization of the following Boolean function
 - 1) $y = \overline{A(B+CD)}$ 2) Sum and Carry output of Full adder 3) X-OR function
 - 4) NAND and NOR function

- 16.** Give a CMOS logic circuit that realizes the function of three input odd parity checker. Specifically, the output is to be high when an odd number (1 or 3) of the input are high. Attempt a design with 10 transistors (not counting those in the inverters) in each of the PUN and PDN.
- 17.** For a process technology with $L=0.5\mu\text{m}$, $n=1.5$, $p=6$. Give size of all transistors in (i) a four input NOR and (ii) a four input NAND Gate. Also give the relative area of two Gates.
- 18.** Sketch the CMOS implementation of SR flip-flop and explain its working.
- 19.** Sketch the CMOS implementation of JK flip-flop and explain its working.
- 20.** Draw the D-flip flop using CMOS. Also draw and explain its master slave configuration.
- 21.** Draw and explain the circuit of temperature compensated logarithmic and anti-logarithmic amplifier.
- 22.** Draw and explain the circuit of square wave generator (Astable Multivibrator) and explain its working.
- 23.** Explain the circuit of monostable multivibrator using op-amp.
- 24.** Explain analog multiplier circuit.
- 25.** Draw and explain the operation of triangular wave generator.
- 26.** Explain the functional block diagram of 555 timer IC. List the application of 555 IC.
- 27.** Implement the Monostable multivibrator using 555 IC and derive the expression of pulse width.
- 28.** Draw the circuit of astable multivibrator circuit using 555 IC and derive the expression for the frequency of output.
- 29.** Explain the block diagram of PLL and its application.
- 30.** Define Capture range, Lock in range and Pull in time.

PUT Marks of Integrated Circuits (KEC 501)

S.No.	Roll No.	Name	CT-1 Marks (30)	CT-2 Marks (30)	PUT Marks (100)
1	1714331042	RAHUL SINGH			
2	1814331002	AASHI SINGH	ABSENT	13	50
3	1814331003	ABHISHEK KUMAR	ABSENT	27	76
4	1814331004	ABHISHEK KANDPAL	ABSENT	21	75
5	1814331005	ADITYA KUMAR	ABSENT	28	78
6	1814331006	ADITYA PANDEY	ABSENT	13	72
7	1814331007	AKHIL RUHELA	ABSENT	22	77
8	1814331008	AKSHAY VERMA	ABSENT	25	68
9	1814331009	ALI MAJAZ	2	23	74
10	1814331010	AMAN	ABSENT	26	73
11	1814331011	ANIRUDH MANOJ	ABSENT	25	58
12	1814331012	ANMOL SHARMA	ABSENT	26	69
13	1814331013	ANSHUL SHARMA	ABSENT	13	53
14	1814331014	ANTRIKSH SAXENA	ABSENT	16	50
15	1814331015	ANUBHAV SINGH	ABSENT	25	62
16	1814331016	ARBAZ AKHTAR	ABSENT	26	74
17	1814331017	ARPIT SONI	ABSENT	22	73
18	1814331018	ASHISH CHAUDHARY	ABSENT	24	75
19	1814331019	ASHISH SHARMA	ABSENT	25	54
20	1814331020	AYUSH SAINI	ABSENT	28	73
21	1814331021	HARDIK RASTOGI	ABSENT	27	45
22	1814331022	HARSH JAISWAL	15	28	78
23	1814331023	JATIN AGARWAL	ABSENT	23	60
24	1814331024	JATIN RANA	ABSENT	26	74
25	1814331025	JAYA SINHA	ABSENT	24	62
26	1814331026	KRITIKA NATH	ABSENT	26	83
27	1814331027	MANSI SAXENA	9	27	78
28	1814331028	ARMAN SHAH	10	27	80
29	1814331029	MUDIT PRATAP SINGH	ABSENT	25	41
30	1814331030	MUKUL CHAUHAN	ABSENT	23	65
31	1814331031	MUNESH KUMAR SINGH	ABSENT	24	75
32	1814331032	MANIK CHOUDHARY	0	23	63
33	1814331033	NIKIL KUMAR	ABSENT	28	67
34	1814331034	NISHA	ABSENT	28	72
35	1814331035	NITESH UPADHYAY	13	23	66
36	1814331036	PRABHAT MITTAL	ABSENT	23	53
37	1814331037	PRADDEEP DUBEY	ABSENT	22	69
38	1814331038	PRADEEP DUBEY	ABSENT	21	74
39	1814331039	PRAKHAR TRIVEDI	ABSENT	21	54
40	1814331040	RACHIT GARG	ABSENT	20	75
41	1814331041	RISHABH GUPTA	ABSENT	23	76
42	1814331042	RIYA AGARWAL	ABSENT	26	79
	1814331042	SAKSHI VARSHNEY	ABSENT	28	86

Sum
16-02-21

Pranab
01/03/21

43	1814331043	SARANSH RAI	ABSENT	25	74
44	1814331044	SARTHAK GUPTA	15	27	81
45	1814331045	SAURABH GUPTA	ABSENT	25	54
46	1814331046	SHASHWAT DWIVEDI	5	19	68
47	1814331047	SHELENDRA RAGHAV	ABSENT	15	51
48	1814331048	SHIVAM KATIYAR	ABSENT	22	57
49	1814331049	SHIVANGI MISHRA	24	28	72
50	1814331050	SUPREET DEOL	ABSENT	23	75
51	1814331051	TANISH VARSHNEY	ABSENT	28	73
52	1814331052	TANISHKA VATS	ABSENT	21	67
53	1814331053	TUSHAR KUMAR	ABSENT	20	55
54	1814331054	UTKARSH SINGH	2	25	68
55	1814331055	VED PARKASH SHARMA	ABSENT	23	73
56	1814331056	VISHAL RANA	16	23	72
57	1814331057	YASH DIXIT	ABSENT	24	63
58	1814331058	YASHASVI SINGH	25	25	78

	CT-1	CT-2	PUT
Total Students	58	58	58
Present Student	12	58	58
No of Students having Marks > 40%	6	58	58
Pass %	50%	100%	100%
Average	11.33	23.57	67.75

Peema
16-02-21
Subject Teacher

Sharma
HOD, ECE 01/03/21

IMS ENGINEERING COLLEGE, GHAZIABAD

Department of Electronics & Communication Engineering

Result Analysis for EC1 3rd Year (5th Sem.) 2020-21

Subject Name	Subject Code	Session: 2018-19				Session: 2019-20				Session: 2020-21					Avg Diff. wrt 2018-19	Avg Diff. wrt 2019-20
		Students	Average	Pass %	CP	Students	Average	Pass %	CP	Students	Result Declared	Average	Pass %	CP		
Integrated Circuits	KEC501	50	52.12	94	3	35	59.67	100	0	58	57	45.21	94.74	3	-6.91	-14.46
Microprocessors & Microcontroller	KEC502	N.A.				N.A.				58	57	49.67	98.24	1	N.A.	N.A.
Digital Signal Processing	KEC503	50	51.23	94	3	35	53.14	97.14	1	58	57	47.09	92.98	4	-4.14	-6.05
Advance Digital Design using Verilog	KEC054	N.A.				N.A.				58	56	48.80	100	0	N.A.	N.A.
Optical Communication	KEC058	N.A.				N.A.				58	57	55.26	98.24	1	N.A.	N.A.
Constitution of India, Law and Engineering	KNC501	N.A.				N.A.				58	57	46.10	100	0	N.A.	N.A.
Class Average		53.08				54.04				48.69					-4.39	-5.35
Clear Pass (%)		82.00				85.71				87.71					5.71	2.00

Subject Name	Code	Faculty Name
Integrated Circuits	KEC501	Prof. Praveen Kumar
Microprocessors & Microcontroller	KEC502	Prof. R.P.S. Chauhan
Digital Signal Processing	KEC503	Prof. Balwant Singh
Advance Digital Design using Verilog	KEC054	Prof. Pankaj Goel
Optical Communication	KEC058	Prof. Sulekha Saxena
Constitution of India, Law and Engineering	KNC501	Prof. Raj Kumar Singh

