

1029
DAIRY No
09/09/2022
OFFICE

GOVT.POLYTECHNIC NANAHPUR
TIME-TABLE- (1st Semester) SESSON (2022-23)

w.e.f. 11/10/2022

Day	Time 9:00 AM TO 5:00 PM	Prd.	CIVIL	COMPUTER	ELECTRICAL	MECHANICAL	ECE	
MONDAY	09.00-10.00	1	MATHS GF-2 (K)/305	SCA/IT (HrK)	ENG GF1(SS)/GF2(K)	PHY GF3(PS)/311	SCA/IT (PD)	
	10.00-11.00	2	SCA (MD)		PHY GF2 (K)/303	IT (CS)/311		
	11.00-12.00	3	ENG /PHY	MATH GF-2 (K) / 305	PEE/IT GF/(CS)	EVS (MD)/311	SCA/FEEE (GF)	
	12.00-01.00	4	GF-1 (SS)/ GF3-(PS)	IT (HrK) / 305		MATHS GF-2 (K)/311		
	RECESS							
	02.00-03.00	5	ENGG.GRAPHICS GF7-(MK)/GF-(C1)	PHY GF3(PS) /303	ENG /PHY GF-1 (SS)/ GF2-(K)	SCA/IT (CS)	SCA/ FEEE (GF)	
	03.00-4.00	6		PHY GF3(PS) /303				
04.00-5.00	7	ENG. (MD) /305		IT (CS)	ENG GF1(SS)/311	MATH GF2(K)/303		
TUESDAY	09.00-10.00	1	MATH GF 2 (K)/305	COMP W/SHOP (DS)	PEE GF3-(PS)/303	IT (CS)/311	SCA/IT (PD)	
	10.00-11.00	2	CHEM (MD)/305		PEE GF3-(PS)/303	MATHS GF-2 (K) /311		
	11.00-12.00	3	ENG /PHY GF-1 (SS) / GF3-(PS)		MATHS GF2(K) /303	PEE/SCA GF	SCA/IT (CS)	FEEE / IT GF/(PD)
	12.00-01.00	4						
	RECESS							
	02.00-03.00	5	SCA (MD)	Electronics W/SHOP GF	ENGG. GRPH GF6-(AK)/GF-(C2)	ENG/PHY. GF1(S.S)/GF3 (PS)	MATH GF 2 (K)/303	
	03.00-4.00	6	MATH GF 2 (K) /305				SCA (CS)	
04.00-5.00	7	ENG GF1(SS) / 305	EVS (MD) /311				FEEE GF3-(PS)/303	
WEDNESDAY	09.00-10.00	1	ENG GF1(SS) / 305	IT (HrK)/303	ENGG. GRPH GF6-(AK)/GF-C1	MATHS GF-2 (K) /311	ELE & EC WORKSHOP HK/ GF	
	10.00-11.00	2	ENGG.GRAPHICS GF17-(DK)/GF-C1	MATHS GF2(K) /303				
	11.00-12.00	3		ENG/PHY (MD)/GF3-(PS)				W/SHOP PG(GF15)/VP(GF16)
	12.00-01.00	4				MATH GF 2 (K)/303		
	RECESS							
	02.00-03.00	5	W/SHOP HK/PG(GF15)/VP(GF16)	COMP W/SHOP (HrK)	PEE/IT GF/(CS)	ENG GF1(SS)/311	MATH GF2(K)/303	
	03.00-4.00	6				MATH GF2(K)/311	PHY GF3(PS)/303	
04.00-5.00	7				MATH GF 2 (K)/303	IT(Lab) CS	SCA (MD)	
THURSDAY	09.00-10.00	1	PHY GF3(PS) / 305	SCA (CS)	ENG/PHY GF1(S.S)/GF2-(K)	ENGG.GRAPHICS GF8-(SK)/GF (M2)	IT (PS)/303	
	10.00-11.00	2	CHEM/SCA (MD)	Electronics W/SHOP GF			PEE GF3-(PS)/303	FEEE GF3-(PS)/303
	11.00-12.00	3						MATH GF2(K)/311
	12.00-01.00	4	CHEM (MD)/ 305				MATH GF2(K)/303	PHY GF3(PS)
	RECESS							
	02.00-03.00	5	CHEM (MD) / 305	SCA/IT (HrK)	IT (CS)/SCA	W/SHOP HK/PG(GF15)/VP(GF16)	ENG /PHY GF-1 (SS) /GF 3(PS)	
	03.00-4.00	6	PS GF5-(SK) / 305				MATH GF-2 (K) /303	ENG GF 1 (SS)/311
04.00-5.00	7	PS GF5-(SK) / 305						
FRIDAY	09.00-10.00	1	W/SHOP (HK) / (PG) / (GF15) / VP (GF16)	ENG/PHY (MD)/GF2-(K)	SCA/PEE (GF)	ENG/PHY GF1(S.S) /GF3(PS)	FEEE / IT GF/(PD)	
	10.00-11.00	2		SCA/IT (MD)/(HrK)	PHY GF2- (K)/303	SCA/IT (CS)	ENG GF 1 (SS)/311	
	11.00-12.00	3						IT (PD)/311
	12.00-01.00	4			PHY GF3(PS) / 305		MATH GF-2 (K)/303	
	RECESS							
	02.00-03.00	5	CHEM/SCA (MD)	SCA/IT (HrK)	IT (CS) /SCA	ENGG.GRPH./GF8-(SK)/GF (M2)	ENG/PHY GF1(SS)/GF3(PS)	
	03.00-4.00	6						FEEE GF3-(PS)/311
04.00-5.00	7	MATH GF-2 (K) / 305					ENG (MD)/303	IT (CS)
Tutor			KAVITA / POOJA SAINI	SHARMILA SHARMA	KAVITA	POOJA SAINI	SHARMILA SHARMA	

Faculty	Th.	Pr.	Total Load	Faculty	Th.	Pr.	Total Load
1. Dharamvir Saini Progr.	0	3	3	7. Sharmila Sharma, GF1- English	8	16	24
2. Charanjeet Singh, Lect.	4	17	21	8. Kavita, GF2-Maths	22	6	28
3. Hardeep Kumar Lect.	2	11	13	9. Pooja Saini, GF3-Physics	14	14	28
4. Manju Dahiya, (O/I App. Sc.)	7	13	20	10. Amit Kumar, GF6-Mech Engg.	0	6	6
5. Poonam Dahiya Lect.	2	8	10	11. Sanjay Kumar, GF8-Mech	0	6	6
5. Harish Khanna, O/I w/s	0	13	13	12. Manoj Kumar, GF7-Civil	0	3	3
				13. Pradeep Gill, GF-15, GI	0	12	12
				14. Vijay Pal, GF16, GI	0	12	12
				15. Dinesh Kumar, GF17-Civil	0	3	3
				16. Sachin, GF5-Civil	2	0	2

HOD Applied Science

O/I Time Table

PRINCIPAL

CIVIL ENGINEERING DEPARTMENT GOVT. POLYTECHNIC NANAKPUR

TIME TABLE

w.e.f: 15-09-2022

DAYS	TIMING	3RD SEM	5TH SEM
MON	09:00-10:00	CM (MK) (501)	RCC (SK) (512)
	10:00-11:00	BC (SK) (501)	HE (DK) (512)
	11:00-12:00	SUR-I (DK) (501)	RBT (SK) (512)
	12:00-01:00	SM (MK) (501)	RMB (DK) (512)
	01:00-02:00	LUNCH	
	02:00-03:00	FM (SK) (501)	CAD LAB (GFC1) G1&G2 (509)
	03:00-04:00	SUR LAB G1 (DK)(402)/	
	04:00-05:00	BC LAB G2 (SK)(410)	
TUE	09:00-10:00	CM (MK) (501)	RCC (SK) (512)
	10:00-11:00	SUR-I (DK) (501)	RBT (SK) (512)
	11:00-12:00	BC (SK) (501)	HE LAB (GFC2)G1 (401)/
	12:00-01:00	FM (SK) (501)	PS LAB G2(MK)G2 (410)
	01:00-02:00	LUNCH	
	02:00-03:00	SM (MK) (501)	RCC DRG.(SK)G1 (512)/ CAD LAB (DK) (509)
	03:00-04:00	SS-I G1 (GFC1) (501) /	
	04:00-05:00	CM LAB G2 (MK) (402)	
WED	09:00-10:00	FM (SK) (501)	HE (DK) (512)
	10:00-11:00	SM (MK) (501)	RBT (SK) (512)
	11:00-12:00	BC LAB G1 (SK) (410)/	PS (MK) (512)
	12:00-01:00	FM LAB G2 (GFC1) (409)	PS (MK) (512)
	01:00-02:00	LUNCH	
	02:00-03:00	CM (MK) (501)	CAD LAB (GFC1)G1 (509) /RCC DRG.(SK)G2 (512)
	03:00-04:00	SM LAB G1 (MK) (403)/	
	04:00-05:00	SUR LAB G2 (DK) (402)	
THU	09:00-10:00	SUR (DK) (501)	RCC (SK) (512)
	10:00-11:00	BC (SK) (501)	RMB (DK) (512)
	11:00-12:00	FM LAB G1 (GFC1) (409)/	RCC (SK) (512)
	12:00-01:00	SM LAB G2(MK) (403)	HE (DK) (512)
	01:00-02:00	LUNCH	
	02:00-03:00	BD G1(GFC1) (512)/ SUR LAB G2(DK) (402)	RBT (SK) (512)
	03:00-04:00		SOFT SKILL-IV (MK) (512)
	04:00-05:00		
FRI	09:00-10:00	SM (MK) (501)	RCC (SK) (512)
	10:00-11:00	BC (SK) (501)	RMB (DK) (512)
	11:00-12:00	CM LAB G1 (MK) (402)/	RBT (SK) (512)
	12:00-01:00	SS-I G2 (GFC1) (512)	HE (DK) (512)
	01:00-02:00	LUNCH	
	02:00-03:00	SUR LAB G1 (DK) (402)/ BD G2 (GFC1) (502)	PS (MK) (512)
	03:00-04:00		PS LAB G2(MK)G1 (410)/
	04:00-05:00		HE LAB (GFC2)G2 (401)

Name	Semester	Subject	Theory	Practical	Total	G.Total
Sh. Sachin	3rd	FLUID MECHANICS	3	—	3	27
		BUILDING CONSTRUCTION	4	4	8	
	5th	REINFORCED CEMENT CONC.	5	6	11	
		RAILWAY BRIDGE & TUNNEL	5	—	5	
Sh. Manoj Kumar	3rd	STRUCTURE MECHANICS	4	4	8	24
		CONSTRUCTION MATERIAL	3	4	7	
	5th	PLUMBING SERVICE	3	4	7	
		SOFT SKILL-III	—	2	2	
Sh. Dinesh Kumar	3rd	SURVEY-I	3	10	13	23
	5th	HIGHWAY ENGINEERING	4	—	4	
		REPAIR & MAINTENANCE	3	—	3	
		CAD	—	3	3	
GFC1	3rd	FLUID MECHANICS	—	4	4	20
		SOFT SKILL-I	—	4	4	
		BUILDING DRAWING	—	6	6	
	5th	CAD	—	6	6	
GFC2	5th	HIGHWAY ENGINEERING	—	4	4	4

O/I TIME TABLE

HOD (CIVIL)

PRINCIPAL

GOVT. POLYTECHNIC, NANAKPUR (PANCHKULA)-250
ACADEMIC SESSION (2022-23)

THIRD SEMESTER (OFF-LINE) TIME TABLE (COMPUTER ENGG.) w.e.f 15-Sept-2022

TIME	(9:00 AM to 10:00 AM)	(10:00 AM to 11:00 AM)	(11:00 AM to 12:00 AM)	(12:00 AM to 01:00 PM)	(02:00 PM to 03:00 PM)	(03:00 PM to 4:00 PM)	(4:00 PM to 05:00 PM)
DAY	1	2	3	4	5	6	7
Monday	SS (Eng. Lab)(SS)	PIC G2(Lab 1)DS / MA G2 (Lab 3)ME					
Tuesday	DE (311)(ME)	PIC G2(Lab 1)GF / MA G1 (Lab 3)ME					
Wednesday	PIC (311)(DS)	OS (311)(PD)	DE (S. ROOM)ME	DC (311)(HK)			
Thursday	MA (311)(ME)	OS G2(Lab 1)PD / DE G2(D. Lab) ME	DE (311)(ME)	SS(Eng. Lab)(SS)			
Friday	DC (311)(HK)	DC (311)(HK)	DE (311)(ME)	SS(Eng. Lab)(SS)			

RECESS

MA (311)(ME)	DE G2 (D. Lab)ME / OS G2(Lab 3) PD
PIC(311)(DS)	PIC (311)(DS)
MA G2(Lab 1)DS / MA G2(Lab 3) ME	OS (S. Room)(PD)
	MA G2(Lab 3)ME / PIC G2(Lab 3) GF
	PIC G2(Lab 1)DS / MA G2(Lab 3) ME

Subject	Name of teacher	Theory	Practical	Total Teaching load
O.S	Ms. Poonam Dahiya	3	6	9
DE	Ms. Meena Rani	3	6	9
MA	Ms. Meena Rani	3	12	15
DC	Sh. Hardeep Kumar	3	0	3
Soft Skills	Ms. Poonam Dahiya	0	2	2
PIC	Sh. Dharamvir Saini	3	6	9
PIC	GF	0	6	6

LECTURE S. ROOM	LAB
(207) Computer Lab-3	LAB
306	(204) Computer Lab-2

GOVT. POLYTECHNIC, NANAKPUR (PANCHKULA)-250
ACADEMIC SESSION (2022-23)

FIFTH SEMESTER (OFF-LINE) TIME TABLE (COMPUTER ENGG.) w.e.f 15 Sept-2022

TIME	9:00-10:00	10:00-11:00	11:00-12:00	12:00-01:00	1:00-2:00	2:00-3:00	3:00-4:00	4:00-5:00
DAY	1	2	3	4	5	6	6	7
MON	CC(311)(DS)	PYTHON(311)(KS)	PYTHON(311)(KS)	CN(311)(HK)				
TUE	PYTHON(311)(KS)	CN(311)(HK)	SS(Eng. Lab)(SS)	PHP(311)(DS)	LUNCH			
WED	SE(311)(PD)	CC(311)(DS)	CC(311)(DS)	PHP(S. ROOM)(DS)				
THU		PHP(G2)(Lab 1)DS/CN(G1)(N. Lab)HK		SS(Eng. Lab)(SS)				
FRI	PHP(311)(DS)		CC(G2)(Lab 1)DS/PHP(G2)(Lab 3)(KS)					

LECTURE S. ROOM(102)	LAB	Room No.
	Computer Lab-1	Room-207
	Network Lab	Room-312

Subject	Name of teacher	Theory	Practical	Total Teaching load
SE	Ms. Poonam Dahiya	3	0	3
CN	Sh. Hardeep Kumar	3	6	9
PYTHON	Ms. Kanchan Saini	3	9	12
PYTHON	Ms. Kanchan Saini	3	3	6
CC	Sh. Dharamvir Saini	3	6	9
PHP	Sh. Dharamvir Saini	3	3	6
PYTHON	Sh. Hardeep Kumar	0	2	2
Soft Skills	Ms. Sharmila	0	3	3
CC	Ms. Kanchan Saini	0	3	3
PHP	Ms. Kanchan Saini	0	3	3
PHP	GF	0	3	3

O/I Time Table

HOD CSE

PRINCIPAL

GOVERNMENT POLYTECHNIC NANAKPUR(PACHKULA)

ACADEMIC SESSION (2022-23)

Electrical Engineering Department

THIRD SEMESTER & FIFTH SEMESTER TIME TABLE EFFECTIVE FROM 15.09.2022 per Latest Study Evaluation Scheme

W. Day	Period (Timings)	3RD		5TH		
		Electrical		Electrical		
MONDAY	1 (9:00 AM to 10:00 AM)	EWS-MS		PLC- GS		
	2 (10:00 AM to 11:00 AM)			EM-II - NK		
	3 (11:00 AM AM to 12:00 PM)			EM-II-NK G1	PLC- GS G2	
	4 (12:00 PM AM to 1:00 PM)	NCES-MD		LUNCH		
	5 (1:00 PM to 2:00 PM)	LUNCH		LUNCH		
	6 (2:00 PM to 3:00PM)	EC-II-GS		UEE-SG		
	7 (3:00 PM to 4:00 PM)	EEEM-GS		SOLAR-NK		
	8 (4:00 PM to 5:00 PM)	E&C-NK		PLC- GS		
TUESDAY	1 (9:00 AM to 10:00 AM)	CAEE -GS		SOLAR - NK		
	2 (10:00 AM to 11:00 AM)			UEE - SG		
	3 (11:00 AM AM to 12:00 PM)	EC-II-GS G1	E&C-NK G2	EP-I-GE-EE		
	4 (12:00 PM AM to 1:00 PM)	LUNCH		LUNCH		
	5 (1:00 PM to 2:00 PM)	EEEM-GS		EM-II - NK		
	6 (2:00 PM to 3:00PM)	NCES-MD		PLC- GS		
	7 (3:00 PM to 4:00 PM)	EC-II-GS		SOLAR- NK		
	8 (4:00 PM to 5:00 PM)	E&C-NK		MP - SG/GS		
WEDNESDAY	1 (9:00 AM to 10:00 AM)	NCES-MD		EM-II-NK		
	2 (10:00 AM to 11:00 AM)	EEEM-GS		SOLAR - NK		
	3 (11:00 AM AM to 12:00 PM)	EC-II-GS		LUNCH		
	4 (12:00 PM AM to 1:00 PM)	LUNCH		LUNCH		
	5 (1:00 PM to 2:00 PM)	NCES-MD		PLC- GS		
	6 (2:00 PM to 3:00PM)	E&C-NK G1		EC-II-GS G2	SS-III - SG	
	7 (3:00 PM to 4:00 PM)	E&C-NK		EP-I-GE-EE		
	8 (4:00 PM to 5:00 PM)	E&C-NK		MP - SG/NK/GS		
THURSDAY	1 (9:00 AM to 10:00 AM)	EEDD-MS		PLC- GS		
	2 (10:00 AM to 11:00 AM)			EM-II - NK		
	3 (11:00 AM AM to 12:00 PM)			LUNCH		
	4 (12:00 PM AM to 1:00 PM)	EEEM-GS		LUNCH		
	5 (1:00 PM to 2:00 PM)	LUNCH		LUNCH		
	6 (2:00 PM to 3:00PM)	E&C-NK		UEE - SG		
	7 (3:00 PM to 4:00 PM)	SS-I-SG		SOLAR- NK		
	8 (4:00 PM to 5:00 PM)	SS-I-SG		EP-I-GE-EE		
FRIDAY	1 (9:00 AM to 10:00 AM)	EWS-MS		MP-SG/NK/GS		
	2 (10:00 AM to 11:00 AM)			PLC- GS		
	3 (11:00 AM AM to 12:00 PM)			EM-II - NK		
	4 (12:00 PM AM to 1:00 PM)	E&C-NK		LUNCH		
	5 (1:00 PM to 2:00 PM)	LUNCH		LUNCH		
	6 (2:00 PM to 3:00PM)	E&C-NK		UEE-SG		
	7 (3:00 PM to 4:00 PM)	EEED-MS		EP-I-GE-EE		
	8 (4:00 PM to 5:00 PM)	EEED-MS		PLC - GS G1	EM-II- NK G2	

Room No.	LECTURE	Room No.	LAB
Room-611	3RD SEM	Room-601	EC II/PLC & M
Room-604	5TH SEM	Room-602	E&C/MP
		Room-603	FEEE/SOLAR
		Room-610	EM-I

O/I Time Table

O/I EE
G. R. N

PRINCIPAL

GOVT. POLYTECHNIC, NANAKPUR (PANCHKULA)-250
ACADEMIC SESSION (2022-23)

THIRD SEMESTER (OFF-LINE) TIME TABLE (ELECTRONICS & COMMUNICATION ENGG.) w.e.f 15-Sept.-2022

TIME	(9:00 AM to 10:00 AM)	(10:00 AM to 11:00 AM)	(11:00 AM to 12:00 AM)	(12:00 AM to 01:00 PM)	RECESS	(02:00 PM to 03:00 PM)	(03:00 PM to 4:00 PM)	(4:00 PM to 05:00 PM)
DAY	1	2	3	4		5	6	7
Monday	DE	EIM	PCE	EDC		SS G1 (206)/PIC G2 (207)		EDC
Tuesday	EIM	PCE	PCE G1(601) /NFT G2(609)LAB	DE		EIM G1(609)/EDC G2(601)		
Wednesday	NFT	DE	PIC	DE		DE G1(601) / SS G2(206)		NFT
Thursday	PIC	EIM	PCE	EDC		NFT G1(609)/PCE G2(601) LAB		
Friday	PIC	NFT	EIM G2 (609) /EDC G1(601)			PIC (G1)(207)/DE G2 (601)		

Subject	Name of teacher	Theory	Practical	Total Teaching load
EIM	GF	3	4	7
PCE	GF	3	4	7
DE	Ms.MEENA RANI	3	0	3
EDC	GF	3	4	7
NFT	GF	3	4	7
PIC	SH.Dharamvir Saini	3	3	6
SS	Ms. Sharmila	0	6	6
PIC	GF	0	3	3
DE	GF	0	6	6

LECTURE	Room no. - 210
LAB	LAB No.
DE LAB	601
NFT LAB	609
COMP LAB	207
ENG LAB	206

[Signature]
O/I Time Table
HOD ECE
[Signature]
/o/2
PRINCIPAL
[Signature]

GOVERNMENT POLYTECHNIC, NANAKPUR

TIME TABLE FOR MECHANICAL ENGINEERING DEPTT. WEF 15-09-2022

OFF LINE

DAY	TIMINGS	S.S MOR			AMIT			SANJAY			GFM I			3rd Sem WORKSHOP		5th Sem WORKSHOP		
		1st YEAR	3rd Sem	5th Sem	1st YEAR	3rd Sem	5th Sem	1st YEAR	3rd Sem	5th Sem	1st YEAR	3rd Sem	5th Sem	3rd Sem	5th Sem			
MONDAY	1	9:00-10:00	Room 504	Room 508														
	2	10:00-11:00																
	3	11:00-12:00		SOFT SKILL III G2 R.N-509														
	4	12:00-1:00																
	5	2:00-3:00																
	6	3:00-4:00																
	7	4:00-5:00																
TUESDAY	1	9:00-10:00																
	2	10:00-11:00																
	3	11:00-12:00																
	4	12:00-1:00																
	5	2:00-3:00																
	6	3:00-4:00																
	7	4:00-5:00																
WEDNESDAY	1	9:00-10:00																
	2	10:00-11:00																
	3	11:00-12:00																
	4	12:00-1:00																
	5	2:00-3:00																
	6	3:00-4:00																
	7	4:00-5:00																
THURSDAY	1	9:00-10:00																
	2	10:00-11:00																
	3	11:00-12:00																
	4	12:00-1:00																
	5	2:00-3:00																
	6	3:00-4:00																
	7	4:00-5:00																
FRIDAY	1	9:00-10:00																
	2	10:00-11:00																
	3	11:00-12:00																
	4	12:00-1:00																
	5	2:00-3:00																
	6	3:00-4:00																
	7	4:00-5:00																
TOTAL LOAD			23		22		24		23		23		9		9		18	

Shalander Singh
 (Shalander Singh)
 O/I Mechanical

Shalander Singh
 O/I Time Table

Shalander Singh
 Principal

GOVT. POLYTECHNIC, NANAKPUR (PANCHKULA)-250

ACADEMIC SESSION (2022-23)

FIFTH SEMESTER (OFF-LINE) TIME TABLE (MECHANICAL ENGG.) w.e.f 15-Sept.-2022

TIME DAY	9:00-10:00	10:00-11:00	11:00-12:00	12:00-01:00	1:00-2:00	2:00-3:00	3:00-4:00	4:00-5:00
MON	1	2	3	4		5	6	7
TUE	TOM LAB G1/SS-II G1/CNC LAB G2				LUNCH			
WED	TOM	MD	TOM	MD		TOM	CNC	CNC
THU	WT-III	MD	CNC	RAC		WT-III	TOM LAB G1/SS-G2	
FRI		WS		MD		RAC	RAC	WT-III

Subject	Name of teacher	Theory	Practical	Total Teaching load
TOM	Sh.Sanjay Kumar	3	4	7
RAC	Sh. Amit Kumar	3	4	7
MD	Sh.Sanjay Kumar	4	0	4
CNC	GF	3	4+4	11
WT-III	Sh. Amit Kumar	3	0	3
Soft Skills-II	Sh. Shalnder Singh	0	4	4
WS	Workshop staff	0	9	9

LECTURE ROOM	LAB
508	TOM-503 CNC-404 RAC-404 SS-509

O/I
Mech Engg.
9.9.22

O/I
Time Table

Principal