

EE 240 – Power Engineering Lab

Spring Semester, 2023-24

Instructors:

Prof. Sandeep Anand, Office: Ground Floor, Tel: 7409

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Email: anil@ee.iitb.ac.in

RAs: (Role: Lab/equipment support, demonstration on a feedback system, overall coordination)

Name	Roll No	Role / Day
Dhruv Kachhiya	213079005	Corresponding RA, Tuesday
Rajat Sankhla	213079008	Tuesday, Friday
Sagar De	22M1160	Monday, Thursday
Adarsh A	22M1158	Tuesday, Friday
Sandesh Narsale	23M1165	Monday, Thursday

TAs: (Role: Practice lab, conducting experiments, viva etc.)

Name	Roll No.	Day
Abhijeet Vijaykumar Deshmukh	23M1092	Monday, Friday
Sanyam Vaidya	23M1102	Monday, Thursday
S Suraj	23D0560	Monday, Thursday

Pushpraj Chandrakar	22M1095	Friday, Thursday
Gutturu Praveen Kumar	23D0523	Monday, Thursday
Nikhil Lekhra	23M1103	Monday, Thursday
Chirag Kishor Sarode	22M1094	Friday, Thursday
Alan Mathew Peringalloor	22M1093	Tuesday, Thursday
Kishore Seshadri	23D0561	Tuesday, Monday
Biswajit Sahoo	214070031	Tuesday, Friday
Yajush Sihag	23M1217	Tuesday, Friday
Aithagani Mithila	23D0532	Tuesday, Friday
Mrinal Kanti Dey	23D0563	Friday, Tuesday
Jay Joshi	23M1104	Monday, Thursday
Goradiya Disha Rameshbhai	23D0517	Tuesday, Friday
Saneesh Subhash Ganvir	23M1100	Monday, Tuesday

Lecture Slot: Wed 2:00 - 3:30 pm, Venue: LH101 (exact days mentioned in schedule below)

Lab Slot: Monday, Tuesday, Thursday, Friday, 2-5 pm, Venue: Machines Lab, Ground Floor, EE dept. (exact days mentioned in the schedule below)

Distribution of Marks:

Pre-lab work → 15 % (3 marks each lab)
Post-lab work → 20 % (4 marks each lab)
Viva → 25 % (5 marks each lab)
End Sem → 40%

Experiments:

1. Power measurement in balanced 3 phase circuits.
2. Open circuit and short circuit tests on single-phase transformers
3. Characteristics of separately excited DC motor
4. Speed control of 3-phase Induction Motor

Demos:

1. Synchronous generator and its characteristics
2. Brushless DC motor operations

Instruction for Pre-Lab Report Format:

Kindly go through the experiment manual in detail before coming to the lab. Also, prepare the pre-lab report. The following points are to be written by the student in their individual manual sheets prior to the experiment before coming to the lab on the experiment day. It needs to be submitted to TA as soon as you enter the lab.

1. Name of the Experiment
2. Aim of the Experiment
3. Circuit Diagram
4. Required Important Formulae
5. Format of Observation Table

Instruction for Post-Lab format:

1. On the day of the experiment TAs will sign the readings filled in by each student in the observation table, for each student.
2. Students must complete the required calculations/phasors and write conclusions at the end of the experiment.
3. Report Submission after the completion of calculations/phasors and conclusion must be submitted by the student to their corresponding TA. (or a week after conducting the experiment at the machine's lab between 4:30 to 5:00 pm).

VIVA

1. Viva based on the ongoing experiment will be taken either during the experiment or at the end of the experiment.

Logistics / Instructions:

1. Lectures will be conducted may or may not on each Wednesday (please, refer to the lab schedule for more information).
2. **No entry will be given to students without proper shoes, ensuring complete feet coverage from all sides. (CROCS are not allowed)**
3. **The lab will be conducted as per the schedule. No exchange of lab slots is allowed.**
4. **Students will not be allowed to enter the lab after 5 min of the scheduled lab start timings and no excuses will be entertained.**
5. **80% attendance** is mandatory for the lectures and lab failing which students will get a '**DX**' grade.
6. Makeup lab will be arranged only in case of a medical emergency, with approval from the instructor. Makeup labs will be conducted once all the experiments are completed and no request will be entertained in the middle of the experiment slot.
7. Get your doubts clarified in the lectures and laboratory sessions. In case any doubt is not clarified during the interaction session due to time constraints, you may email the instructor and fix a mutually agreeable time for a meeting/discussion. Avoid requesting meetings/discussions just before the end-sem exam.
8. We will use Moodle for announcements, marks etc.

Lab Schedule

	Day	Date	Batch / Slot	Experiment
Week 1	Wed	17-Jan-2024	Lecture-1	Experiment -1 Power measurement in balanced 3-phase circuits.
	Thu	18-Jan-2024	Thu Batch-1	
	Fri	19-Jan-2024	Fri Batch-1	
	Sat	20-Jan-2024	Fri Batch-2 Compensation of Republic Day	
	Mon	22-Jan-2024	Mon Batch-1	
	Tue	23-Jan-2024	Tue Batch-1	
Week 2	Thu	25-Jan-2024	Thu Batch-2	
	Fri	26-Jan-2024	Republic Day	
	Mon	29-Jan-2024	Mon Batch-2	
	Tue	30-Jan-2024	Tue Batch-2	
Week 3	Wed	31-Jan-2024	Lecture-2	Experiment-2 Open circuit and short circuit tests on single-phase transformers Demo B-H curve of magnetic core
	Thu	1-Feb-2024	Thu Batch-1	
	Fri	2-Feb-2024	Fri Batch-1	
	Mon	5-Feb-2024	Mon Batch-1	
	Tue	6-Feb-2024	Tue Batch-1	
Week 4	Thu	8-Feb-2024	Thu Batch-2	
	Fri	9-Feb-2024	Fri Batch-2	
	Mon	12-Feb-2024	Mon Batch-2	
	Tue	13-Feb-2024	Tue Batch-2	
Week 5	Wed	14-Feb-2024	Lecture-3	Experiment-3 Characteristics of separately excited DC motor Demo:
	Thu	15-Feb-2024	Thu Batch-1	
	Fri	16-Feb-2024	Fri Batch-1	
	Mon	19-Feb-2024	Mon Batch-1	
	Tue	20-Feb-2024	Tue Batch-1	

Working of DC motor

	Wed	21-Feb-2024	Fri Batch-2 Compensation of Maha Shivratri	
Midsem week	Fri	23-Feb-2024	Mid Sem	
	Sat	2-Mar-2024		
Week 5	Thu	7-Mar-2024	Thu Batch-2	Experiment-3 Characteristics of separately excited DC motor Demo: Working of DC motor
	Fri	8-Mar-2024	Maha Shivratri	
	Mon	11-Mar-2024	Mon Batch-2	
	Tue	12-Mar-2024	Tue Batch-2	
Week 6	Wed	13-Mar-2024	Lecture-4	Experiment-4 Speed control of 3 phase Induction Motor Demo: Winding configuration of 3 phase induction motor
	Thu	14-Mar-2024	Thu Batch-1	
	Fri	15-Mar-2024	Fri Batch-1	
	Sat	16-Mar-2024	Mon Batch-2 Compensation of Holi	
	Mon	18-Mar-2024	Mon Batch-1	
	Tue	19-Mar-2024	Tue Batch-1	
Week 7	Thu	21-Mar-2024	Thu Batch-2	Winding configuration of 3 phase induction motor
	Fri	22-Mar-2024	Fri Batch-2	
	Mon	25-Mar-2024	Holi	
	Tue	26-Mar-2024	Tue Batch-2	
Week 8	Wed	27-Mar-2024	Lecture-5	Demo-1 Synchronization of Alternator
	Thu	28-Mar-2024	Thu Batch-1 (2:00 to 3:30 pm)	
			Thu Batch-2 (3:30 to 5:00 pm)	
	Fri	29-Mar-2024	Good Friday	
	Sat	30-Mar-2024	Fri Batch-1 (2:00 to 3:30 pm)	
			Fri Batch-2 (3:30 to 5:00 pm)	
	Mon	1-Apr-2024	Mon Batch-1 (2:00 to 3:30 pm)	
			Mon Batch-2 (3:30 to 5:00 pm)	

	Tue	2-Apr-2024	Tue Batch-1 (2:00 to 3:30 pm)	
			Tue Batch-2 (3:30 to 5:00 pm)	
Week 9	Wed	3-Apr-2024	Lecture-6	Demo-2 Brushless DC motor operation
	Thu	4-Apr-2024	Thu Batch-1 (2:00 to 3:30 pm)	
			Thu Batch-2 (3:30 to 5:00 pm)	
	Fri	5-Apr-2024	Fri Batch-1 (2:00 to 3:30 pm)	
			Fri Batch-2 (3:30 to 5:00 pm)	
	Mon	8-Apr-2024	Mon Batch-1 (2:00 to 3:30 pm)	
			Mon Batch-2 (3:30 to 5:00 pm)	
	Tue	4/9/2024	Gudi Padwa	
	Wed	10-Apr-2024	Tue Batch-1 (2:00 to 3:30 pm)	
			Tue Batch-2 (3:30 to 5:00 pm)	
	Thu	11-Apr-2024	Id-ul-Fitr	
Makeup lab	Mon	15-Apr-2024	Mon Batch	Make up lab
	Tue	16-Apr-2024	Tue Batch	Make up lab
	Thu	18-Apr-2024	Thu Batch	Make up lab
	Fri	19-Apr-2024	Fri Batch	Make up lab
Endsem Week	Mon	22-Apr-2024	End sem	
	Thu	2-May-2024		

Batch Allotment

EE240- Monday Batch-1				
S.No.	Roll No.	First name	Last name	Group/Table No.
1	22B3901	Hardik	Jangir	Group-1 / TA1
2	22B3902	Chinmay	Tripurwar	
3	22B3903	Sahil Kalpesh	Desai	
4	22B3904	Devtanu	Barman	Group -2 / TA2
5	22B3906	Borra Lokesh	Chandra	
6	22B3907	Shiwani	Mishra	
7	22B3908	Bhuvansh	Goyal	Group -3 / TA3
8	22B3910	Utkarsh	Maurya	
9	22B3911	Kaluguri	Yashaswini	
10	22B3912	Mohammad Samiuddin	Shafi	Group- 4 / TA4
11	22B3914	Aman	Rishal.C.H.	
12	22B3915	Gogineni Venkat	Sumanth	
13	22B3916	Bharath	Sreejith	Group-5 / TA5
14	22B3917	Arnav	Agarwal	
15	22B3918	Oviya	S	
16	22B3919	Sanat Kumar	Agrawal	Group- 6 / TA6
17	22B3921	Sthiti	Padhi	
18	22B3922	Jatin	Kumar	
19	22B3923	Sarthak	Niranjan	
20	22B3924	Suyash Jitendra	Majhi	Group- 7 / TA7
21	22B3925	Jadhav Saurabh	Arun	
22	22B3927	Aryan	Tamboli	
23	22B3928	Utkarsh	Prakash	
24	22B3929	Aman	Verma	Group-8 / TA8
25	22B3930	Bhavya	Mittal	
26	22B3931	Praveen	Praveen	

EE240- Monday Batch-2				
S.No.	Roll No.	First name	Last name	Group/Table No.
1	22B3932	Shaik Rehna	Afroz	Group-1 / TA1
2	22B3933	Deepika	Meena	
3	22B3934	Krishna Kant	Naik	
4	22B3935	Samridhi	Sahay	Group -2 / TA2
5	22B3936	Sravan K	Suresh	
6	22B3937	Cherish	Jain	
7	22B3938	Akash	Akash	Group -3 / TA3
8	22B3940	Anuj	Gautam	
9	22B3941	Aaditya	Gupta	
10	22B3942	Harsh Sanjay	Roniyar	Group- 4 / TA4
11	22B3943	Anisha	Saini	
12	22B3944	Madhur	Kholia	
13	22B3945	Pranav	Prakash	Group-5 / TA5
14	22B3946	Vavilala Sathvik	Reddy	
15	22B3947	Naresh Kumar	Meena	
16	22B3949	Mehta Virti	Rohit	Group- 6 / TA6
17	22B3950	Anuj	Yadav	
18	22B3951	Keshav	Maheshwari	
19	22B3952	Keshav	Samdani	Group- 7 / TA7
20	22B3953	Patil Swarup	Dasharath	
21	22B3954	Hardik	Khariwal	
22	22B3956	Pramiti	Kumar	
23	22B3957	Nitin	Yadav	Group-8 / TA8
24	22B3958	Garima Ashok	Gopalani	
25	22B3959	Saarthak	Krishan	
26	22B3905	Saurabh	Kumar	
27	22B3960	Divyansh	Ranjan	

EE240- Tuesday Batch-1				
S.No.	Roll No.	First name	Last name	Group/TA
1	22B1201	Shah Aagam	Gautam	Group-1 / TA1
2	22B1202	Chiransh	Somani	
3	22B1203	Atharva Jayant	Kolte	
4	22B1204	Bhogaraju L M Shashank	Vaibhav	Group -2 / TA2
5	22B1206	Ayush	Timan	
6	22B1207	Anshu	Arora	
7	22B1208	Veda	Raju	Group -3 / TA3
8	22B1210	Chirag	Jindal	
9	22B1211	Angad	Singh	
10	22B1212	Chinmay	Moorjani	Group- 4 / TA4
11	22B1213	Sachi Mukesh	Deshmukh	
12	22B1214	Aashish	Chandra	
13	22B1215	N V Navaneeth	Rajesh	Group-5 / TA5
14	22B1216	Moon Aman	Milind	
15	22B1217	Preetish Shailendra	Sathawane	
16	22B1218	Vidisha	Agarwal	Group- 6 / TA6
17	22B1219	Abhineet	Agarwal	
18	22B1221	Yannakula Naga Sasi	Bhushan	
19	22B1222	Shrutika Pandurang	Mohalkar	Group- 7 / TA7
20	22B1223	Sania	Mandal	
21	22B1224	Yaddala Ravi	Teja	
22	22B1225	Pravesh	Khaparde	Group-8 / TA8
23	22B1226	Kuldeep	Meena	
24	22B1228	Kaustav	Saha	
25	22B1229	Kirthan	Kamble	
26	22B1230	Arin Prashant	Weling	
27	22B1231	Akshat	Singhvi	

EE240- Tuesday Batch-2				
S.No.	Roll No.	First name	Last name	Group/TA
1	22B1232	Nimay Upen	Shah	Group-1 / TA1
2	22B1233	Atmakuri Venkata Madhava	Sriram	
3	22B1234	Shubhi	Ajmera	
4	22B1235	Himanshi	Shende	Group -2 / TA2
5	22B1236	Takshit	Aggarwal	
6	22B1237	Chavva Krishna Koushik	Reddy	
7	22B1238	Saumya Dharmesh	Shah	Group -3 / TA3
8	22B1239	Vanka	Mahithanvitha	
9	22B1240	Rushil Rajendra	Malode	
10	22B1241	Raghav Shreevardhan	Sapre	Group- 4 / TA4
11	22B1242	Jainam	Ravani	
12	22B1243	Avinash	Meena	
13	22B1244	Saima Faiyaz	Patharwat	Group-5 / TA5
14	22B1245	Aastha Singh	Chouhan	
15	22B1246	K. P.	Lakshmeesh	
16	22B1247	Aditya Singh	Bhadoria	Group- 6 / TA6
17	22B1248	Payghan Samarth	Prakash	
18	22B1249	Harsh	Anand	
19	22B1251	Anirudh Kumar	Jangid	Group- 7 / TA7
20	22B1253	Agrawal Manav	Harishbhai	
21	22B1254	Bhanoth	Preetam	
22	22B1255	Anay	Malviya	
23	22B1258	Saptarshi	Biswas	Group-8 / TA8
24	22B1259	Yashomati Purushottam	Sarnaik	
25	22B1261	Prayash Kumar	Sahu	
26	22B1262	Uday	Singh	

EE-240 Thursday Batch-1

S.No.	Roll No.	First name	Last name	Group/Table No.
1	22B3961	Rahul	Agarwal	Group-1 / TA1
2	22B3962	Rishabh	Bhardwaj	
3	22B3963	Neil	George	
4	22B3964	Aditya	Singh	Group -2 / TA2
5	22B3965	Shivam	Panwar	
6	22B3966	Mrunali Subhash	Barapatre	
7	22B3967	Jatin	Gupta	Group -3 / TA3
8	22B3968	Krishna Kumar	Singh	
9	22B3969	Patni Devavrat	Sonal	
10	22B3970	Prince	Chouhan	Group- 4 / TA4
11	22B3971	Pagare Amol	Milind	
12	22B3972	Kanak	Dudi	
13	22B3973	Ayush	Gaur	Group-5 / TA5
14	22B3974	Tanish Anant	Raghute	
15	210070036	Jayesh	Bagul	
16	22B3975	Praveen	Vijayarajasekharan	Group- 6 / TA6
17	22B3976	Rahul	B	
18	22B3977	Saujanya	Chandra	
19	22B3978	Sanjay Kumar	Meena	
20	22B3979	Prerna	Khobragade	
21	22B3980	Subhanshu	Choudhary	Group- 7 / TA7
22	22B3981	Aniket	Patel	
23	22B3982	Anupam	Rawat	
24	22B3983	Hemraj	Meena	
25	22B3984	Dishant	Dishant	Group-8 / TA8
26	22B3985	Aditya Vema Reddy	Kesari	
27	20D070038	Himanshu	Meena	
28	22B3987	Abhinav	Kumar	

EE-240 Thursday Batch-2				
S.No.	Roll No.	First name	Last name	Group/Table No.
1	22B3988	Samarth	Sirsat	Group-1 / TA1
2	22B3989	Manoj Kumar	Murmu	
3	22B0412	Reeyansh Hiten	Shah	
4	22B0688	Moondra Shikhar	Ashutosh	Group -2 / TA2
5	22B0005	Kakadiya Aayush	Anilbhai	
6	22B2209	Shetty Sathwik	Prakash	
7	22B2405	Archisman	Bhattacharjee	Group -3 / TA3
8	22B0769	Aayush	Kumar	
9	22B0010	Kattirsitti Jeet	Govindrao	
10	22B2156	Aviral Vishesh	Goel	Group- 4 / TA4
11	22B4246	Prajwal	Nayak	
12	22B4217	Hrishikesh	S	
13	22B1515	Yajan	Agarwal	Group-5 / TA5
14	22B0721	Rajwardhan Dhanaji	Toraskar	
15	21D070084	Uvesh	Mohammad	
16	22B2502	Sawant	Varun	Group- 6 / TA6
17	22B2144	Nishant Jayesh	Bhave	
18	22B0305	Mitul	Tandon	
19	22B4232	Sarvadnya	Sarvadnya	
20	22B1227	Ashwajit	Singh	
21	22B1281	Jay Hareesh	Mehta	Group- 7 / TA7
22	22B1257	Abhimanyu	Kumar	
23	22B1220	Parv	Maheshwari	
24	22B1265	Saarthak Ritesh	Laturiya	
25	22B1250	Viraansh	Sontakkey	Group-8 / TA8
26	22B1252	Pentapalli Mithin	Kumar	
27	18D070025	Rohit	Rajwansi	
28	22B1209	Aditya	Sisodiya	

EE240- Friday Batch-1				
S.No.	Roll No.	First name	Last name	Group/Table No.
1	22B1263	Pawar Sanskriti	Vijay	Group-1 / TA1
2	22B1264	Sachin	Awasthi	
3	22B1266	Ankit Kumar	Maurya	
4	22B1267	Anushka	Sharma	Group -2 / TA2
5	22B1268	Aditya Gyanprakash	Nirmale	
6	22B1269	Srivastava	Adit	
7	22B1270	Arkadeep	Saha	Group -3 / TA3
8	22B1271	Juluva	Yashwanth	
9	22B1272	Satyam	Gupta	
10	22B1273	Manisha	Sahu	Group- 4 / TA4
11	22B1274	Gajjala Venkata Sreekar	Reddy	
12	22B1275	Harsh	Tripathi	
13	22B1276	Kaushal Deepak	Malpure	Group-5 / TA5
14	22B1277	Jatin	Singhal	
15	22B1260	Harshil	Singla	
16	22B1279	Dhruv Kumar	Meena	Group- 6 / TA6
17	22B1283	R K Sai	Mayura	
18	22B1284	Saatwik	Patnaik	
19	22B1285	Khushi Ravindra	Wandile	Group- 7 / TA7
20	22B1286	Parinay	Dewangan	
21	22B1287	Medhansh	Sharma	
22	22B1288	Shruti	Ghoniya	Group-8 / TA8
23	22B1289	K	Ashvanth	
24	22B1290	Utkarsh	Meshram	
25	22B1291	Piyush	Sihag	
26	22B1292	Tiwari Sakshi	Umashankar	
27	22B1293	Gohil Hardik	Pratap	

EE240- Friday Batch-2				
S.No.	Roll No.	First name	Last name	Group/Table No.
1	22B1294	Saurabh	Srivastava	Group-1 / TA1
2	22B1295	Preet	Gehlot	
3	22B1296	Dattaraj Mandar	Salunkhe	
4	22B1297	Gowshik	L	Group -2 / TA2
5	22B1298	Neel Bhavesh	Rambhia	
6	22B1299	Jaswant	S	
7	22B1300	Khushbu	Sahu	Group -3 / TA3
8	22B1301	Nistala	Sreechandana	
9	22B1302	Immaraju Bhanu	Harsha	
10	22B1303	Ramandeep	Singh	Group- 4 / TA4
11	22B1304	Pratham	Sonekar	
12	22B1305	Pyla	Ramya	
13	22B0014	Amitesh	Shekhar	Group-5 / TA5
14	22B0396	Vatsal	Melwani	
15	22B1278	Tulasi Kameswara Sai Subrahmanya	Ashok	
16	22B0651	Yug Pashupatinath	Agarwal	
17	22B1810	Aaina	Parmar	Group- 6 / TA6
18	22B1814	Suchet	Gopal	
19	22B1829	Kshitij Yogesh	Vaidya	
20	22B1856	Priyansh	Singh	
21	22B2110	Akshat	Thakur	Group- 7 / TA7
22	22B2234	Toshan Achintya	Golla	
23	22B3303	Tanay Pradyumna	Bhat	
24	22B3913	Samar	Perwez	
25	22B3939	Arora Anay	Sandeep	Group-8 / TA8
26	22B3955	Raunak	Mukherjee	
27	22B4514	Kushal	Jain	
28	22B4241	Siddick Mohammed Hamza	Khatri	

TA Allotment per Experiment

TA Name	TA1	TA2	TA3	TA4	TA5	TA6	TA7	TA8
Monday EXP-1	Abhijeet Vijaykumar Deshmukh	Sanyam Vaidya	S Suraj	Gutturu Praveen Kumar	Nikhil Lekhra	Kishore Seshadri	Jay Joshi	Saneesh Subhash Ganvir
Tuesday EXP-1	Mrinal Kanti Dey	Saneesh Subhash Ganvir	Alan Mathew Peringalloor	Kishore Seshadri	Biswajit Sahoo	Yajush Sihag	Aithagani Mithila	Goradiya Disha Rameshbhai
Thursday EXP-1	Sanyam Vaidya	S Suraj	Pushpraj Chandrakar	Gutturu Praveen Kumar	Nikhil Lekhra	Chirag Kishor Sarode	Alan Mathew Peringalloor	Jay Joshi
Friday EXP-1	Pushpraj Chandrakar	Chirag Kishor Sarode	Abhijeet Vijaykumar Deshmukh	Mrinal Kanti Dey	Biswajit Sahoo	Yajush Sihag	Aithagani Mithila	Goradiya Disha Rameshbhai
Monday EXP-2	Saneesh Subhash Ganvir	Abhijeet Vijaykumar Deshmukh	Sanyam Vaidya	S Suraj	Gutturu Praveen Kumar	Nikhil Lekhra	Kishore Seshadri	Jay Joshi
Tuesday EXP-2	Goradiya Disha Rameshbhai	Mrinal Kanti Dey	Saneesh Subhash Ganvir	Alan Mathew Peringalloor	Kishore Seshadri	Biswajit Sahoo	Yajush Sihag	Aithagani Mithila
Thursday EXP-2	Jay Joshi	Sanyam Vaidya	S Suraj	Pushpraj Chandrakar	Gutturu Praveen Kumar	Nikhil Lekhra	Chirag Kishor Sarode	Alan Mathew Peringalloor
Friday EXP-2	Goradiya Disha Rameshbhai	Pushpraj Chandrakar	Chirag Kishor Sarode	Abhijeet Vijaykumar Deshmukh	Mrinal Kanti Dey	Biswajit Sahoo	Yajush Sihag	Aithagani Mithila
Monday EXP-3	Jay Joshi	Saneesh Subhash Ganvir	Abhijeet Vijaykumar Deshmukh	Sanyam Vaidya	S Suraj	Gutturu Praveen Kumar	Nikhil Lekhra	Kishore Seshadri
Tuesday EXP-3	Aithagani Mithila	Goradiya Disha Rameshbhai	Mrinal Kanti Dey	Saneesh Subhash Ganvir	Alan Mathew Peringalloor	Kishore Seshadri	Biswajit Sahoo	Yajush Sihag

Thursday EXP-3	Alan Mathew Peringallo or	Jay Joshi	Sanyam Vaidya	S Suraj	Pushpraj Chandraka r	Gutturu Praveen Kumar	Nikhil Lekhra	Chirag Kishor Sarode
Friday EXP-3	Aithagani Mithila	Goradiya Disha Rameshbh ai	Pushpraj Chandraka r	Chirag Kishor Sarode	Abhijeet Vijaykuma r Deshmukh	Mrinal Kanti Dey	Biswajit Sahoo	Yajush Sihag
Monday EXP-4	Kishore Seshadri	Jay Joshi	Saneesh Subhash Ganvir	Abhijeet Vijaykuma r Deshmukh	Sanyam Vaidya	S Suraj	Gutturu Praveen Kumar	Nikhil Lekhra
Tuesday EXP-4	Yajush Sihag	Aithagani Mithila	Goradiya Disha Rameshbh ai	Mrinal Kanti Dey	Saneesh Subhash Ganvir	Alan Mathew Peringallo or	Kishore Seshadri	Biswajit Sahoo
Thursday EXP-4	Chirag Kishor Sarode	Alan Mathew Peringallo or	Jay Joshi	Sanyam Vaidya	S Suraj	Pushpraj Chandraka r	Gutturu Praveen Kumar	Nikhil Lekhra
Friday EXP-4	Yajush Sihag	Aithagani Mithila	Goradiya Disha Rameshbh ai	Pushpraj Chandraka r	Chirag Kishor Sarode	Abhijeet Vijaykuma r Deshmukh	Mrinal Kanti Dey	Biswajit Sahoo
Monday EXP-5	Nikhil Lekhra	Kishore Seshadri	Jay Joshi	Saneesh Subhash Ganvir	Abhijeet Vijaykuma r Deshmukh	Sanyam Vaidya	S Suraj	Gutturu Praveen Kumar
Tuesday EXP-5	Biswajit Sahoo	Yajush Sihag	Aithagani Mithila	Goradiya Disha Rameshbh ai	Mrinal Kanti Dey	Saneesh Subhash Ganvir	Alan Mathew Peringallo or	Kishore Seshadri
Thursday EXP-5	Nikhil Lekhra	Chirag Kishor Sarode	Alan Mathew Peringallo or	Jay Joshi	Sanyam Vaidya	S Suraj	Pushpraj Chandraka r	Gutturu Praveen Kumar
Friday EXP-5	Biswajit Sahoo	Yajush Sihag	Aithagani Mithila	Goradiya Disha Rameshbh ai	Pushpraj Chandraka r	Chirag Kishor Sarode	Abhijeet Vijaykuma r Deshmukh	Mrinal Kanti Dey
Monday EXP-6	Gutturu Praveen Kumar	Nikhil Lekhra	Kishore Seshadri	Jay Joshi	Saneesh Subhash Ganvir	Abhijeet Vijaykuma r Deshmukh	Sanyam Vaidya	S Suraj

Tuesday EXP-6	Kishore Seshadri	Biswajit Sahoo	Yajush Sihag	Aithagani Mithila	Goradiya Disha Rameshbhai	Mrinal Kanti Dey	Saneesh Subhash Ganvir	Alan Mathew Peringalloor
Thursday EXP-6	Gutturu Praveen Kumar	Nikhil Lekhra	Chirag Kishor Sarode	Alan Mathew Peringalloor	Jay Joshi	Sanyam Vaidya	S Suraj	Pushpraj Chandrakar
Friday EXP-6	Mrinal Kanti Dey	Biswajit Sahoo	Yajush Sihag	Aithagani Mithila	Goradiya Disha Rameshbhai	Pushpraj Chandrakar	Chirag Kishor Sarode	Abhijeet Vijaykumar Deshmukh