



Innovation & Leadership

Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - II

SLOW AND ADVANCED LEARNER IDENTIFICATION

Course Code : 210252					Class : SE				
Course Name: Data Structures & Algorithms					Name of Faculty: Dr. Shitole Ajitkumar Sureshrao				
Roll No.	Name.of Student	Class Test I (Out of 30)	50% Weightage	Overall % of Marks in Previous Exam (out of 100)	25% Weightage	Class Observation (on the Scale of 1-10)	25% Weightage	Total % Weightage (out of 100)	
SC01	Aaditya Sandeepkumar Thorat	28	47	78	19	7	18	84	
SC02	Abhang Nitinkumar Mandwale	26	43	88	22	6	15	80	
SC03	Abhishek Dinkar Mahajan	28	47	91	23	6	15	84	
SC04	Ameey Bable	27	45	85	21	8	20	86	
SC05	AMISHA PRAMOD PATIL	28	47	79	20	7	18	84	
SC06	ANANYA RAY	24	40	83	21	8	20	81	
SC07	ANANYA PATIL	27	45	87	22	8	20	87	
SC08	Anvay Gaikwad	24	40	78	20	8	20	80	
SC09	Apurav Ashok Divekar	28	47	85	21	8	20	88	
SC10	ATHARVA NAIR	28	47	82	21	8	20	87	
SC11	Atharva Pingale	25	42	88	22	8	20	84	
SC12	Atharva Vijay Burkule	23	38	89	22	8	20	81	
SC13	Balraj Vaidya	26	43	82	20	8	20	84	
SC14	Chaitali Prakash Gavit	AB	0	72	18	7	18	35	
SC15	Divya Nipane	26	43	85	21	8	20	85	
SC16	KHARTADKAR GURUPRASAD RA	27	45	70	18	7	18	80	
SC17	HARSHAL ARVIND PARATWAR	28	47	84	21	8	20	88	
SC18	Harshavardhan Tarachandra Dhole	28	47	84	21	8	20	88	
SC19	Harshvardhan Vijay More	27	45	87	22	8	20	87	
SC20	Hitesh Jain	26	43	89	22	9	23	88	
SC21	KRISHA ELLE	27	45	89	22	8	20	87	



SC22	KSHITIJ KASAR	26	43	81		8	20	84
SC23	Kunal Ashok Patil	28	47	70	18	7	18	82
SC24	KUNAL JAWANE	27	45	86	21	8	20	86
SC25	Kundan Agrawal	28	47	91	23	10	25	94
SC26	Lakshmi Narasimha Teja Tadepalli	28	47	88	22	8	20	89
SC27	MAHESH RAKHAMAJI GAIKWAD	28	47	87	22	10	25	94
SC28	Meenu Pillai	28	47	89	22	8	20	89
SC29	Nachiket Pachchhapur	26	43	86	22	8	20	85
SC30	Nikita Dinkar Dhobale	28	47	81	20	8	20	87
SC32	OM MAHALE	25	42	85	21	8	20	83
SC33	PAPADE OMKAR SUBHASH	28	47	86	21	8	20	88
SC34	Padmakar pimpale	AB	0	85	21	7	18	39
SC35	Palak Oza	28	47	90	23	7	18	87
SC36	Pankaj Salve	23	38	65	16	6	15	70
SC37	Parth Deshpande	27	45	90	22	8	20	87
SC38	Piyush Kale	25	42	82	20	8	20	82
SC39	Prajwal Puranchand Raut	24	40	86	22	8	20	82
SC40	Pranav Dhote	AB	0	77	19	7	18	37
SC41	Pranav Somnath Gaikwad	28	47	79	20	8	20	86
SC42	Prasad Balasaheb Thorve	28	47	71	18	7	18	82
SC43	Prathmesh Ingole	27	45	82	20	8	20	85
SC44	Prathamesh Ramesh Bhise	28	47	88	22	8	20	89
SC45	Pratiksha Vilas Deshmukh	28	47	70	18	7	18	82
SC46	RAGHAV SHARMA	28	47	89	22	9	23	91
SC47	Rushikesh Anil Kulkarni	27	45	86	22	8	20	87
SC48	SAHILSING MOHANSING RAJPUT	24	40	90	23	9	23	85
SC49	Sakshi Nagnath Gaikwad	25	42	72	18	7	18	77
SC50	santosh sarvade	27	45	82	21	8	-	86
SC51	Sarang Jalindar Shelke	27	45	88	22	8	20	87
SC52	Shantanu Bhosale	28	47	80	20	8	20	87
SC53	SHREEYASH MAHAJAN	AB	0	89	22	9	23	45
SC54	SHREYA GAJBHIYE	28	47	85	21	8	20	88
SC55	Shreyanshu Sanjay Kodilkar	25	42	83	21	8	20	82
SC56	Shubham Hippargi	28	47	87	22	8	20	88
SC57	Srushti Ramesh Bhamre	28	47	86	22	8	20	88

SC58	Surabhi Annigeri	28	47	92		7	18	87
SC59	Sushmita Jha	28	47	90	22	7	18	87
SC60	Tanaya Vinod Pawar	24	40	87	22	8	20	82
SC61	V Varnshi	28	47	86	22	8	20	88
SC62	VAIBHAV DATTU DHAYGUDE	28	47	90	22	9	23	92
SC63	VAIBHAVI NITIN KATE	28	47	80	20	8	20	87
SC64	Vishnu Shinde	28	47	91	23	10	25	94
SC65	VITTHAL AVINASH WAGHERE	28	47	70	18	7	18	82
SC66	Yash Khairnar	26	43	87	22	8	20	85
SC67	Yash R Dusane	28	47	88	22	8	20	89
SC68	YASH MITHIAPELLI	28	47	84	21	8	20	88
SC69	Yuvraj Khelkar	27	45	70	18	7	18	80
SC70	DIPAK BANDGAR	24	40	60	15	2	5	60
SC71	SHWETA LASHKARE	28	47	84	21	6	15	83
SC72	SAKSHI NIRNE	28	47	94	24	7	18	88
SC73	PIYUSHKA DESHMUKH	28	47	95	24	7	18	88
SC74	AKASH KAMBALE	28	47	90	23	8	20	89
SC75	GAURI KHANAPURE	28	47	94	24	7	18	88
SC76	VAISHNAVI GOHAD	27	45	95	24	8	20	89
SC77	SHRADDHA PATIL	28	47	95	24	7	18	88
SC78	CHAITANYA AMBEKAR	26	43	94	24	8	20	87



Signature of Faculty



Hope Foundation's
International Institute of Information technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - II

SCHEDULE OF SLOW LEARNER ACTIVITIES

Class : SE

Course : Data Structures & Algorithms

Name of Faculty: Dr. Shitole Ajitkumar S.

Lecture No.	Date	Time	Activity	Topic/Unit Covered
1	6-5-2022	9:45 am to 10:00am	Lecture by Advanced Learner	Skip List
2	6-5-2022	10:00 am to 10:15am	Lecture by Advanced Learners	Binary Search Tree
3	6-5-2022	10:15 am to 10:30am	Lecture by Advanced Learners	Separate Chaining
4	6-5-2022	10:30 am to 10:40am	Lecture by Advanced Learners	Graph BFS
5	6-5-2022	10:40 am to 11:00am	Lecture by Advanced Learners	AVL Trees



Dr. A. S. Shitole

Name and Signature of Subject Teacher



Hope Foundation's
International Institute of Information technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - II

List of Tasks/Assignments/Projects given to Advanced Learners

Class : SE

Course :Data Structures & Algorithms

Name of Faculty:Dr. Shitole Ajitkumar S.

Roll No.	Name of Student	Assignment
SC25	Kundan Agrawal	Binary Search Tree
SC27	MAHESH RAKHAMAJI GAIKWAD	Skip List
SC46	RAGHAV SHARMA	AVL Trees
SC62	VAIBHAV DATTU DHAYGUDE	Separate Chaining
SC64	Vishnu Shinde	Graph BFS

Dr. A. S. Shitole
Name and Signature of Subject Teacher



Sign of Faculty:



LIST OF ADVANCED LEARNERS

Subject: Data Structures & Algorithms

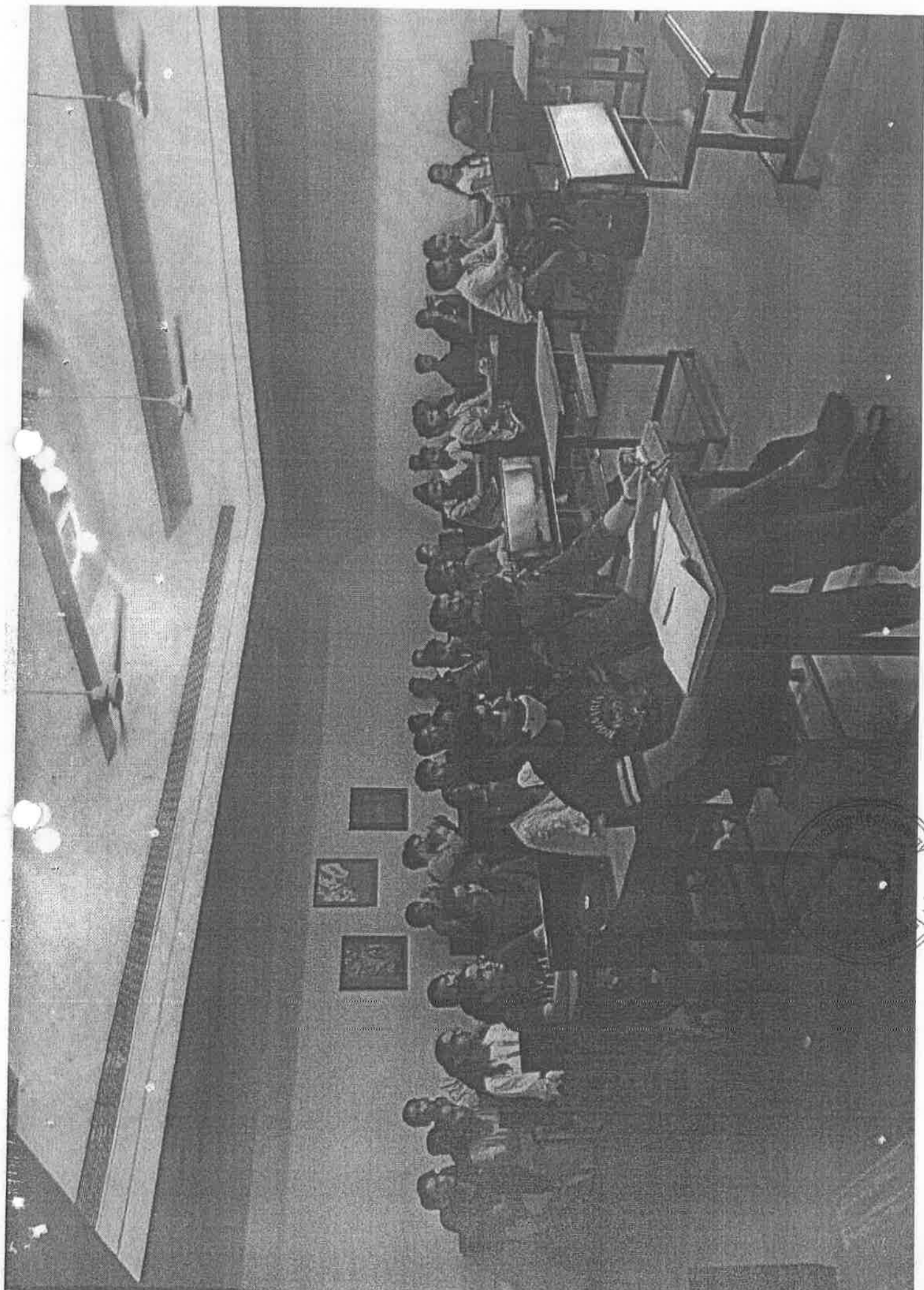
Sign of Faculty

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Hope Foundation's

International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING

Academic Year : 2021-22, Semester - II

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SLOW / ADVANCED LEARNER IDENTIFICATION

Course Code : 310254A				Class : T. E.											
Course Name: Information Security (Elective - II)										Name of Faculty: Dr. Uma Godase					
Sr. No.	Roll No.	Name of Student	Class Test I (Out of 30)	50% Weightage	Overall % of Marks in Previous Exam (out of 100)	25% Weightage	Class Observation (on the Scale of 1-10)	25% Weightage	Total % Weightage (out of 100)						
1	TC67	WASIMPASHA CHANDPASHA PATWARI	28	46.67	93.14	23.29	9	22.50	92						
2	TC09	ANKIT SANJAY DHOPATE	28	46.67	91.07	22.77	9	22.50	92						
3	TC03	ADINATH DATTATRAY MAHANGARE	28	46.67	86.00	21.50	9	22.50	91						
4	TC72	SARVESHA JAISWAL	28	46.67	85.50	21.38	9	22.50	91						
5	TC10	ANUSHKA RAMAKANT CHAVAN	28	46.67	85.00	21.25	9	22.50	90						
6	TC02	ABHISHEK BAPURAO PATIL	29	48.33	86.86	21.72	8	20.00	90						
7	TC75	PRERNA JAYAWANTRAO NARKHEDE	28	46.67	83.36	20.84	9	22.50	90						
8	TC07	ANIKET SUDHIR GADE	28	46.67	91.93	22.98	8	20.00	90						
9	TC38	PRATIK NANDKUMAR MANDOT	28	46.67	80.50	20.13	9	22.50	89						



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - II

SLOW AND ADVANCED LEARNER IDENTIFICATION

Course Code :410250		Class : BE						
Course Name: Machine Learning		Name of Faculty: Ms. Shilpa Jadhao						
Roll No.	Name of Student	Class Test I (Out of 30)	50% Weightage	Overall % of Marks in Previous Exam (out of 100)	25% Weightage	Class Observation (on the Scale of 1-10)	25% Weightage	Total % Weightage (out of 100)
BC01	KALE ABHIJEET DATTATRAY	19	31.67	83	20.63	7	17.50	69.80
BC02	KULKARNI ABHIJEET RAGHVENDRA	26	43.33	93	23.27	10	25.00	91.60
BC03	KANADE ADITI RAMESH	26	43.33	92	23.07	7	17.50	83.90
BC04	ADITYA ANOOP SRIVASTAVA	22	36.67	85	21.13	5	12.50	70.30
BC05	CHAVAN AMEY AVINASH	AB	AB	AB	AB	AB	AB	AB
BC06	MUDALIAR ANJALI GOVINDRAJAN	25	41.67	91	22.80	8	20.00	84.47
BC07	CHATTAR ARJUN PRAKASH	22	36.67	84	20.93	5	12.50	70.10
BC08	KULKARNI ATHARV PRASHANT	25	41.67	91	22.77	8	20.00	84.43
BC09	DIPANSHU	26	43.33	93	23.30	9	22.50	89.13
BC10	GAJBHIYE DISHA SHASHANK	21	35.00	93	23.23	9	22.50	80.73
BC11	JAYBHAY GAURAV TATYASAHEB	26	43.33	94	23.50	10	25.00	91.83
BC12	JADHAV ISHALI MAHENDRA	26	43.33	93	23.23	7	17.50	84.07
BC13	NIRANTAR KETKI SHASHANK	27	45.00	95	23.63	10	25.00	93.63
BC14	PATIL KSHITIJAY JAYWANT	24	40.00	92	23.00	8	20.00	83.00
BC15	JOSHI LALKRISHNA VINAYAK	27	45.00	89	22.20	9	22.50	89.70
BC16	MAHESH ARUN PATIL	23	38.33	93	23.33	8	20.00	81.67
BC17	HARWANI MOHNISH DILIP	23	38.33	89	22.37		22.50	83.20
BC18	INAMDAR NABAH IRFAN	25	41.67	88	21.93		20.00	83.60
BC19	PATIL NACHIKET SANDEEP	23	38.33	94	23.47		22.50	84.30
BC20	NEHAL PILLAI	24	40.00	93	23.23		25.00	88.23
BC21	VARGHESE NIKHIL AJI	26	43.33	94	23.53		20.00	86.87
BC22	KANDEKAR NIKHIL BABAN	23	38.33	92	23.10		17.50	78.93

Roll No.	Name of Student	Class Test I (Out of 30)	50% Weightage	Overall % of Marks in Previous Exam (out of 100)	25% Weightage	Class Observation (on the Scale of 1-10)	25% Weightage	Total % Weightage (out of 100)
BC23	SAWANT ONKAR BHARAT	26	43.33	87	21.67	8	20.00	85.00
BC24	PAGARIYA PAYAL GANESHLAL	21	35.00	83	20.77	7	17.50	73.27
BC25	HIREMATH POOJA MAHESHWAR	24	40.00	93	23.23	10	25.00	88.23
BC26	DESHMUKH PRANAV RAVINDRA	20	33.33	85	21.20	9	22.50	77.03
BC27	MENE PRANAV VINOD	28	46.67	89	22.23	7	17.50	86.40
BC28	KURUNKAR PRATHAMESH PANDURANG	23	38.33	92	23.00	10	25.00	86.33
BC29	VORA PREM BHAVESHBHAI	23	38.33	88	22.03	10	25.00	85.37
BC30	RISHABH CHANCHAL KARMAKAR	26	43.33	96	24.07	8	20.00	87.40
BC31	RITIKESH BHATT	23	38.33	92	22.97	9	22.50	83.80
BC32	BHOSIKAR ROHAN RAJESHWAR	22	36.67	78	19.53	5	12.50	68.70
BC33	GHANAPATHI RUPAK RAVINDRA	24	40.00	83	20.73	5	12.50	73.23
BC34	SHIVPURE RUPALI NARHARI	25	41.67	91	22.63	8	20.00	84.30
BC35	SHINDE SADHVEE PRADEEP	22	36.67	86	21.50	8	20.00	78.17
BC36	SAHEJ SINGH SWINDER PAL SINGH	24	40.00	91	22.63	8	20.00	82.63
BC37	SAKSHI PATIL	25	41.67	89	22.30	8	20.00	83.97
BC38	GAIKWAD SAMIKSHA SHAM	18	30.00	89	22.17	8	20.00	72.17
BC39	WANJARI SANKALP KAILASH	23	38.33	89	22.17	8	20.00	80.50
BC40	KALYANKAR SEJAL SACHIN	26	43.33	90	22.53	7	17.50	83.37
BC41	BHASKAR SHREERAM MACHHIND	23	38.33	86	21.50	6	15.00	74.83
BC42	PURANDARE SHRIYA VAIBHAV	20	33.33	89	22.13	8	20.00	75.47
BC43	PATIL SHUBHAM SATISH	20	33.33	86	21.60	8	20.00	74.93
BC44	SAPA SHUBHANKAR GANESH	23	38.33	85	21.27	5	12.50	72.10
BC45	DHARMATTI SIDDHANT MAHESH	23	38.33	91	22.83	9	22.50	83.67
BC46	JAIN SUMIT RATILAL	24	40.00	90	22.50	7	17.50	80.00
BC47	KHANDEKAR SUNNY JAGDISH	22	36.67	84	20.97	7	17.50	75.13
BC48	DESHPANDE SWAPNIL PRASHANT	23	38.33	91	22.40	9	22.50	83.23
BC49	SWAPNIL SUNIL THORAT	18	30.00	81	20.13	9	22.50	72.63
BC50	SWATHI BALAJI	19	31.67	86	21.60	8	20.00	73.27



Roll No.	Name of Student	Class Test I (Out of 30)	50% Weightage	Overall % of Marks in Previous Exam (out of 100)	25% Weightage	Class Observation (on the Scale of 1-10)	25% Weightage	Total % Weightage (out of 100)
BC51	SYED WILAYAT	24	40.00	89	22.23	7	17.50	79.73
BC52	SHAIKH TOUFIQ SALIM	18	30.00	85	21.17	8	20.00	71.17
BC53	VEDANG MATEY	27	45.00	93	23.13	8	20.00	88.13
BC54	BHISTANNAVAR VIDYA ONKAR	16	26.67	87	21.77	8	20.00	68.43
BC55	SHENDE VINOD GORAKH	20	33.33	87	21.80	7	17.50	72.63
BC56	VISHESH WAGHMARE	26	43.33	90	22.60	9	22.50	88.43
BC57	DESHMUKH VIVEK JAYANT	22	36.67	86	21.60	5	12.50	70.77
BC58	MORE YUKTA VISHNU	25	41.67	90	22.47	9	22.50	86.63
BC59	INAMDAR ZAID ALTAJ	25	41.67	89	22.17	8	20.00	83.83
BC60	SANJEEV KUMAR PATLE	23	38.33	87	21.80	8	20.00	80.13
BC61	MAHALE ADITI SUDHAKAR	23	38.33	84	21.07	7	17.50	76.90
BC62	CHAUHAN NIKITA BHARAT	20	33.33	84	21.03	7	17.50	71.87
BC63	SHAIKH SADIYA RAFIQ	25	41.67	90	22.40	7	17.50	81.57
BC64	JADHAV TEJAL SHARAD	25	41.67	90	22.60	9	22.50	86.77
BC65	SHREYASH SUJITRAO TEHARE	20	33.33	90	22.43	8	20.00	75.77
BC66	GHANTE PRERNA VINOD	26	43.33	88	21.97	8	20.00	85.30
BC67	KUVALEKAR SHREYA ANAND	24	40.00	90	22.47	9	22.50	84.97
BC68	SHENDE MRUNAL SUNIL	25	41.67	93	23.13	8	20.00	84.80
BC69	VINAY KASHIMAHANTI	24	40.00	86	21.47	7	17.50	78.97
BC70	KANCHAN KUMAWAT	24	40.00	89	22.33	7	17.50	79.83
BC71	KETAN RAUT	24	40.00	85	21.27	5	12.50	73.77
BC72	SHRADDHA JAGTAP	20	33.33	79	19.73	6	15.00	68.07
BC73	SADIK SHAIKH	15	25.00	87	21.70	6	15.00	61.70
BC74	AMAN GUPTA	23	38.33	88	22.07	9	22.50	82.90
BC75	PRATIKSHA RATOD	24	40.00	89	22.27	8	20.00	82.27
BC76	BIBU KUMAR	22	36.67	85	21.33	6	15.00	73.00
BC77	SOHAIL SHAIKH	20	33.33	75	18.77	7	17.50	69.60



[Signature]
Signature of Faculty



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22 Semester : II

LIST OF ADVANCED LEARNERS

Class: B.E.

Subject: Machine Learning

Roll No.	Name of the Student	Total % Weightage Based on Parameter (out of 100)
BC02	KULKARNI ABHIJEET RAGHVENDRA	91.60
BC09	DIPANSHU	89.13
BC11	JAYBHAY GAURAV TATYASAHEB	91.83
BC13	NIRANTAR KETKI SHASHANK	93.63
BC19	PATIL NACHIKET SANDEEP	86.80
BC25	HIREMATH POOJA MAHESHWAR	88.23
BC30	RISHABH CHANCHAL KARMAKAR	87.40



Sign of Faculty:



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - II

List of Assignments/Projects given to Advanced Learners

Class : BE

Course : Machine Learning

Name of Faculty: Ms. Shilpa Jadhao

Roll No.	Name of Student	Assignment
BC02	KULKARNI ABHIJEET RAGHVENDRA	Extra Mini Project
BC09	DIPANSHU	Extra Mini Project
BC11	JAYBHAY GAURAV TATYASAHEB	Extra Mini Project
BC13	NIRANTAR KETKI SHASHANK	Extra Mini Project
BC19	PATIL NACHIKET SANDEEP	Cerification courses
BC25	HIREMATH POOJA MAHESHWAR	Extra Mini Project
BC30	RISHABH CHANCHAL KARMAKAR	Participation in Data Science competition


Name and Signature of Subject Teacher





Gmail

classroom.google.com/w/NDUwMjk3OTczMjk3/t/all

Machine Learning
R.E. 2021-2022 Sem II

Stream Classwork People Marks

Previous Question p-

Advanced Learner's

Question Bank for h-

SPPU Intern Exam

Theory Assignments

Unit-VI

Unit-V

Unit-IV

Unit-III

Unit-II

Unit-I

Previous Question papers



ML - Previous years Question papers

Posted 6 Jun

Advanced Learner's Activity



Additional Activity

Due 22 May, 23:59

Posted 19 May ▶ 14 students

If you have performed any additional Mini Project/Task or certifications related to Machine Learning subject then upload the file here. For any queries contact me.

5

9

Handed in

Assigned



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING

Academic Year : 2021-22, Semester - II

SLOW / ADVANCED LEARNER IDENTIFICATION

Course Code : 310254A				Class : T. E.					
Course Name: Information Security (Elective - II)				Name of Faculty: Dr. Uma Godase					
Sr. No.	Roll No.	Name of Student	Class Test I (Out of 30)	50% Weightage	Overall % of Marks in Previous Exam (out of 100)	25% Weightage	Class Observation (on the Scale of 1-10)	25% Weightage	Total % Weightage (out of 100)
1	TC67	WASIMPASHA CHANDPASHA PATWARI	28	46.67	93.14	23.29	9	22.50	92
2	TC09	ANKIT SANJAY DHOPATE	28	46.67	91.07	22.77	9	22.50	92
3	TC03	ADINATH DATTATRAY MAHANGARE	28	46.67	86.00	21.50	9	22.50	91
4	TC72	SARVESHA JAISWAL	28	46.67	85.50	21.38	9	22.50	91
5	TC10	ANUSHKA RAMAKANT CHAVAN	28	46.67	85.00	21.25	9	22.50	90
6	TC02	ABHISHEK BAPURAO PATIL	29	48.33	86.86	21.72	8	20.00	90
7	TC75	PRERNA JAYAWANTRAO NARKHEDE	28	46.67	83.36	20.84	9	22.50	90
8	TC07	ANIKET SUDHIR GADE	28	46.67	91.93	22.98	8	20.00	90
9	TC38	PRATIK NANDKUMAR MANDORE	28	46.67	80.50	20.13	9	22.50	89



10	TC50	SANJYOT SANTOSH PANURE	28	46.67	86.50	21.63	8	20.00	88
11	TC28	KUNAL SANJAY KULKARNI	28	46.67	86.43	21.61	8	20.00	88
12	TC59	SWAPNIL RANGNATH NADEKAR	28	46.67	84.64	21.16	8	20.00	88
13	TC30	MANDAR ANAND DESHMUKH	28	46.67	74.50	18.63	9	22.50	88
14	TC41	PURVESH MANOJ NEVE	28	46.67	83.64	20.91	8	20.00	88
15	TC63	UMESH SANATKUMAR INAMDAR	28	46.67	70.43	17.61	9	22.50	87
16	TC55	SHREYAS MADHUKAR CHAVHAN	28	46.67	79.86	19.97	8	20.00	87
17	TC68	YASH RAJESH PANCHWATKAR	28	46.67	79.57	19.89	8	20.00	87
18	TC24	ISHA VIJAY KAWALE	28	46.67	76.50	19.13	8	20.00	86
19	TC40	PURVA NARESH JADHAV	28	46.67	72.00	18.00	8	20.00	85
20	TC17	AVINASH RAJENDRA SUTAR	28	46.67	83.29	20.82	4	10.00	77



Signature of Faculty



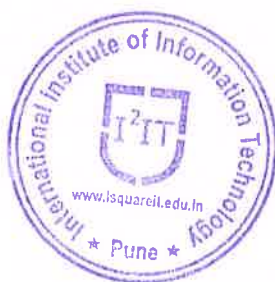
Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22 Semester : II

LIST OF ADVANCED LEARNERS

Class: T.E.

Subject: Information Security (Elective - II)

Roll No.	Name of the Student	Total % Weightage Based on Parameter (out of 100)
TC67	WASIMPASHA CHANDPASHA PATWARI	92.45
TC09	ANKIT SANJAY DHOPATE	91.93
TC03	ADINATH DATTATRAY MAHANGARE	90.67
TC72	SARVESHA JAISWAL	90.54
TC10	ANUSHKA RAMAKANT CHAVAN	90.42
TC02	ABHISHEK BAPURAO PATIL	90.05
TC75	PRERNA JAYAWANTRAO NARKHEDE	90.01
TC07	ANIKET SUDHIR GADE	89.65
TC38	PRATIK NANDKUMAR MANDORE	89.29
TC50	SANJYOT SANTOSH PANURE	88.29



Dr. Uma Gadase

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF THE HISTORY OF ARTS
AND ARCHITECTURE
CHICAGO, ILLINOIS 60637

OFFICE OF THE DEAN
OF THE FACULTY OF THE DIVISION OF THE PHYSICAL SCIENCES
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Hope Foundation's
International Institute of Information technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - II

List of Assignments/Projects given to Advanced Learners

Class : T.E.

Course : Information Security (Elective - II)

Course Code : 310254A

Name of Faculty: Dr. Uma Godase

Sr. No.	Roll No.	Name of Student	Assignment / Project
1	TC07	Aniket Sudhir Gade	Encryption & Decryption Using Columnar Transposition Cipher
2	TC09	Ankit Sanjay Dhopate	
3	TC50	Sanjayot Santosh Panure	Implementing encryption and decryption using substitution ciphers
4	TC67	Wasimpasha Chandpasha Patwari	
5	TC75	Prerna Jayawantrao Narkhede	AES Implementation of all Variations with GUI
6	TC38	Pratik Nandkumar Mandore	Diffie Hellman Algorithm
7	TC03	Adinath Dattatray Mahangare	Message Encryption System using Vigenere cipher
8	TC72	Sarvesha Jaiswal	
9	TC10	Anushka Ramakant Chavan	
10	TC02	Abhishek Bapurao Patil	



Dr. Uma Godase

Encryption & Decryption Using Columnar Transposition Cipher

Information Security Mini Project
2019 Pattern
A.Y. 2021-22
T.E. Semester -II

1

Contents

- Team members detail
- Objectives
- Technical Details
- Output Snapshot
- Conclusion

2

Team Member Details

Roll No. of the students		
01	Ankit Chopra	TC06
02	Aniket Gade	TC07
03	Srushti Nadekar	TC08

3

Objectives

- Implement a message encryption-decryption application using Column Transposition Technique.
- Here we encrypt the message using the key and can also decrypt the encrypted text using the same key.
- We take plain, key & padding character as inputs.
- To create interactive interface in which users data will be encrypted and decrypted.

4

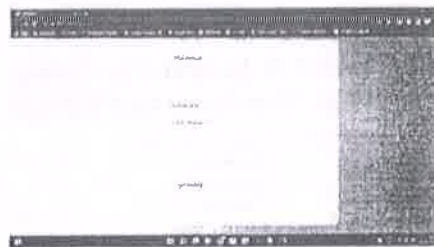


Technical Details

- Hardware requirements : Windows 10
- Software requirements : JavaScript, HTML, CSS, VS code
- Module : Base64
- Algorithm: Columnar Transposition Algorithm

5

Output snapshots



6

Output snapshots



7

Conclusion

- We have successfully developed Message encode–decode project using JavaScript, HTML, & CSS.
- We learned how to encode and decode the string, using columnar transposition.
- In this way, we can encode our message and decode the encoded message in a secure way by using the key.

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Message Encryption System

Information Security Mini Project
2019 Pattern
A.Y.2021-22
T.E. Semester -II

Contents.

- Team members detail
- Objectives
- Technical Details
- Output Snapshot
- Conclusion

Team Member Details

Sr.No.	Name of the student	Roll number
01	Anushka Chevan	TC10
02	Sarvesha Jaiswal	TC73
03	Adinatti Mahargare	TC03
04	Abhishek Patil	TC02

Objectives

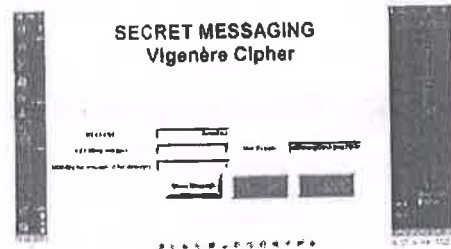
- Implement a message encryption-decryption application according to the Vigenère cipher
- which can encrypt the message using the key and can decrypt the encrypted text using same key
- The user can give input in the text form, key and can encrypted or decrypted.
- To create interactive interface in which users data will be secure.



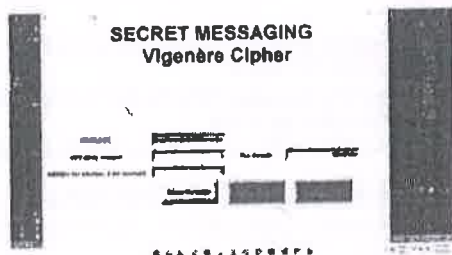
Technical Details

- Hardware requirements : Windows 10
- Software requirements : Python, VS code
- Libraries : Tkinter, Random
- Module : Base64
- Algorithm: Vigenere Substitution Algorithm

Output snapshots



Output snapshots



Conclusion

- We have successfully developed Message encode – decode project in Python.
- We used the popular Tkinter library for rendering graphics or a display window and base64 to encode & decode.
- We learned how to encode and decode the string, how to create button, widget, and pass the function to the button.
- In this way, we can encode our message and decode the encoded message in a secure way by using the key.



Hope Foundation's
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - I

SLOW / ADVANCED LEARNER IDENTIFICATION

Course Code : 210243									
Course Name: Object Oriented Programming									
Roll No.	Name of Student	Class Test I (Out of 30)	50% Weightage	Overall % of Marks in Previous Exam (out of 100)	25% Weightage	Class Observation (on the Scale of 1-10)	25% Weightage	Total % Weightage (out of 100)	
SC64	Vishnu Somnath Shinde	30	50.00	91	23	9	23	96	
SC25	Kundan Mohan Agrawal	30	50.00	90.69	23	9	23	95	
SC62	Valbhav Dattu Dhaygude	30	50.00	89.85	22	9	23	95	
SC67	Yash Rakesh Dusanse	30	50.00	88.38	22	9	23	95	
SC27	Manish Rakhamaaji Gaikwad	30	50.00	87.46	22	9	23	94	
SC03	Abhishek Dinkar Mahajan	29	48.33	91	23	9	23	94	
SC56	Shubham Laxman Hippargi	30	50.00	86.77	22	9	23	94	
SC57	Srushti Ramesh Bhanre	30	50.00	86.23	22	9	23	94	
SC58	Surabhi Manojkumar Amigeri	29	48.33	92.31	23	9	23	94	
SC68	Yash Satish Mithapelli	30	50.00	83.69	21	9	23	93	
SC59	Sushmita Jha	29	48.33	89.92	22	9	23	93	
SC28	Meenu Rajendran Pillai	29	48.33	89.38	22	9	23	93	
SC21	Krishna Ramesh Elle	29	48.33	88.62	22	9	23	93	
SC26	Lakshmi Narasimha Teja Tadepalli	29	48.33	87.85	22	9	23	93	
SC54	Shreya Milind Gajbiye	29	48.33	85.15	21	9	23	92	
SC46	Raghav Dogarnath Sharma	29	48.33	89.23	22	8	21	92	
SC55	Shreyanshu Sanjay Kodlikar	29	48.33	82.62	21	9	23	91	
SC20	Hitesh Amol Jain	28	46.67	89.15	22	9	23	91	
SC43	Prithamesh Rajesh Ingole	29	48.33	81.77	20	9	23	91	
SC44	Prathamesh Ramesh Bhise	28	46.67	88.38	22	9	23	91	
SC38	Piyush Milind Kale	29	48.33	81.62	20	9	23	91	
SC22	Kashitija Kishor Kasar	29	48.33	80.92	20	9	23	91	
SC60	Tanaya Pawar	28	46.67	87.15	22	9	23	91	
SC39	Prajwal Purnachand Raut	28	46.67	86.38	22	9	23	91	
SC41	Pranav Somnath Gaikwad	29	48.33	79.15	20	9	23	91	
SC05	Amisha Pramod Patil	29	48.33	78.92	20	9	23	91	
SC19	Harshvardhan Vilay More	27	45.00	86.77	22	9	24	90	
SC35	Palak Sushil Oza	27	45.00	90.31	23	9	23	90	
SC53	Shreyash Anil Mahajan	27	45.00	89.23	22	9	23	90	
SC51	Sarang Jalindar Shelke	27	45.00	87.69	22	9	23	89	
SC02	Abhang Nitinkumar Mandwale	30	50.00	88.15	22	7	17	89	
SC24	Kunal Nitha Jawane	29	48.33	85.54	21	8	19	89	
SC15	Divya Sanjay Nipane	27	45.00	84.77	21	9	23	89	
SC30	Nikita Dinkar Dhole	29	48.33	81.08	20	8	20	89	
SC63	Vaibhavi Nilin Kate	29	48.33	80.38	20	8	20	88	
SC07	Ananya Abhijeet Patil	28	46.67	87	22	8	20	88	
SC52	Shantanu Sharad Bhosale	29	48.33	79.77	20	8	20	88	
SC10	Alharva Manoj Nair	27	45.00	82.23	21	9	23	88	
SC33	Omkar Subhash Papade	26	43.33	85.85	21	9	23	87	
SC04	Amey Ashok Babale	26	43.33	85.38	21	9	23	87	
SC50	Sanjosh Munjaba Sarvade	30	50.00	82.31	21	7	17	87	
SC34	Padmakar Rajendra Pimpale	29	48.33	85	21	7	18	87	
SC37	Parth Yogesh Deshpande	28	46.67	89.85	22	7	18	87	
SC61	V Vamshi	28	46.67	86.15	22	7	18	86	
SC06	Ananya Ray	27	45.00	83.15	21	8	20	86	
SC17	Harshal Arvind Paratwar	27	45.00	84.08	21	8	20	86	
SC14	Chaitali Prakash Gavit	28	46.67	71.69	18	8	21	85	
SC40	Pranav Gajanan Dhole	28	46.67	76.85	19	8	20	85	
SC48	Sahisring Mohansing Rajput	24	40.00	90.31	23	9	23	85	
SC65	Vithal Avinash Waghare	28	46.67	60.6	15	9	23	84	
SC47	Rushikesh Anil Kulkarni	24	40.00	86.46	22	9	22	84	
SC31	Nirajan Veeranna Hiremath	29	48.33	85.62	21	5	13	82	
SC18	Harshvardhan Tarachandra Dhole	29	48.33	83.62	21	5	13	82	
SC45	Pratiksha Vilas Deshmukh	29	48.33	60.6	15	7	18	81	
SC29	Nachiket Alhad Pachhapur	28	46.67	85.38	20	5	13	81	
SC13	Balraj Mohan Vaidya	21	35.00	85.38	20	10	25	80	

Class : SE
 Name of Faculty: Dr. Uma R. Godase

Sign of Faculty

100%



Hope Foundation's
International Institute of Information technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - I

List of Assignments/Projects given to Advanced Learners

Class : S.E.
Course : Object Oriented Programming
Course Code : 210243
Name of Faculty: Dr. Uma Godase

Sr. No.	Roll No.	Name of Student	Assignment / Project
1	SC25	Kundan Mohan Agrawal	Student Management System
2	SC27	Mahesh Rakhumaji Gaikwad	
3	SC37	Srushti Ramesh Bhanre	Movie Ticket Booking System
4	SC38	Surabhi Manojkumar Annigeri	
5	SC36	Shubham Laxman Hippargi	ATM and Banking Management System
6	SC62	Vaibhav Dattu Dhaygude	
7	SC03	Abhishek Dinkar Mahajan	Flight Reservation System
8	SC11	Atharva Pingale	
9	SC64	Vishnu Somnath Shinde	Snakes and Ladder Game
10	SC67	Vash Rakesh Dusane	
11	SC59	Sushmita Jha	Presentation on "Introduction to Java"



Sign of Faculty





SCHEDULE OF SLOW LEARNER ACTIVITIES

Class : S.E.
Course : Object Oriented Programming
Course Code : 210243
Name of Faculty: Dr. Uma Godase

Lecture No.	Date	Time	Activity	Topic/Unit Covered
1	27/11/2021	11:00 am To 12:00 pm	Counseling, Revision	Unit I
2	06/12/2021	11:00 am To 12:00 pm	Revision	Unit II, Unit III
3	07/12/2021	10:00 am To 11:00 am	Revision	Unit IV, Unit V



Sign of Faculty

LIST OF ADVANCED LEARNERS

Class: S.E. Subject: Object Oriented Programming

Roll No.	Name of the Student	Total % Weightage Based on Parameter (out of 100)
SC64	Vishnu Somnath Shinde	96.12
SC25	Kundan Mohan Agrawal	95.17
SC62	Vaibhav Dattu Dhaygude	94.96
SC67	Yash Rakesh Dusane	94.60
SC27	Mahesh Rakhamaaji Gaikwad	94.37
SC03	Abhishek Dinkar Mahajan	94.24
SC56	Shubham Laxman Hippargi	94.19
SC57	Srushti Ramesh Bhamre	94.06
SC58	Surabhi Manojkumar Annigeri	93.91
SC68	Yash Satish Mithapelli	93.42
SC59	Sushmita Jha	93.31





Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22 Semester : I

LIST OF SLOW LEARNERS

Class: S.E. Subject: Object Oriented Programming

Roll No.	Name of the Student	Total % Weightage Based on Parameter (out of 100)
SC12	Atharva Vijay Burkule	35.00
SC70	Dipak Bandgar	0.00



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - I

SLOW / ADVANCED LEARNER IDENTIFICATION

Course Code : 210243		Course Name: Object Oriented Programming		Class : SE		Name of Faculty: Dr. Uma R. Godase		
Roll No.	Name of Student	Class Test I (Out of 30)	50% Weightage	Overall % of Marks in Previous Exam (out of 100)	25% Weightage	Class Observation (on the Scale of 1-10)	25% Weightage	Total % Weightage (out of 100)
SC08	Anvay Avinash Gaikwad	28	46.67	78.15	20	5	13	79
SC42	Prasad Balasahab Thorve	28	46.67	70.69	18	6	14	78
SC11	Atharva Kainadecp Pingale	26	43.33	87.92	22	5	13	78
SC23	Kunal Ashok Patil	27	45.00	60.6	15	7	18	78
SC49	Sakshi Maganath Gaikwad	28	46.67	71.54	18	5	13	77
SC01	Aditya Sandeepkumar Thorat	27	45	77.77	19	5	13	77
SC09	Apurv Ashok Divekar	25	41.67	85.23	21	5	13	75
SC16	Guruprasad Raghunath Kharadkar	28	46.67	70.38	18	4	10	74
SC32	Om Manohar Mahale	18	30.00	85.08	21	9	23	74
SC66	Yash Prabhakar Khairnar	22	36.67	87	22	5	13	71
SC69	Yuvraj Ujwal Khelkar	25	41.67	60.6	15	5	13	69
SC36	Pankaj Simon Salve	24	40.00	64.77	16	5	13	69
SC12	Atharva Vilay Burkule	AB	0.00	88.85	22	5	13	35
SC70	Dipak Bandgar	AB	0.00		0	0	0	0

Signature of Faculty




Sign of Faculty



PERFORMANCE IMPROVEMENT OF SLOW LEARNERS

Class: **S.E.**

Subject: OOP

[illegible]

Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - I

SLOW AND ADVANCED LEARNER IDENTIFICATION

Course Code : 310242				Class : TE									
Course Name: Theory of Computation									Name of Faculty: Sunil A. Sushir				
Roll No.	Name of Student	Class Test I (Out of 30)	50% Weightage	Overall % of Marks in Previous Exam (out of 100)	25% Weightage	Class Observation (on the Scale of 1-10)	25% Weightage	Total % Weightage (out of 100)					
TC01	AA YUSHI RAJESH DORLE	24	40	82.50	21	7	18	78					
TC02	ABHISHEK BAPURAO PATIL	25	42	86.86	22	8	20	83					
TC03	ADINATH DATTATRAY MAHANGARE	21	35	86.00	22	8	20	77					
TC04	AKALBIR SINGH HARPREET SINGH CHADHA	27	45	76.00	19	7	18	82					
TC05	ANANT SHRENIK PATIL	24	40	90.93	23	9	23	85					
TC06	ANIKET DADASAHEB MUKADE	25	42	94.00	24	9	23	88					
TC07	ANIKET SUDHIR GADE	25	42	91.93	23	8	20	85					
TC08	ANIKET TRIMBAK SABALE	19	32	92.50	23	9	23	77					
TC09	ANKIT SANJAY DHOPATE	25	42	91.07	23	9	23	87					
TC10	ANUSHKA RAMAKANT CHAVAN	25	42	85.00	21	8	20	83					
TC11	APOORVA BALASAHEB THORAT	19	32	93.79	23	9	23	78					
TC12	APURVA BALASAHEB KULKARNI	25	42	78.21	20	8	20	81					
TC13	ARPIT ARVIND KOPARE	26	43	85.43	21	8	20	85					
TC14	ARYAN SANJAY KENCHAPPAGOL	27	45	92.71	23	9	23	91					
TC15	ASEEM MANISH DANDGAVAL	24	40	89.93	22	7	18	80					
TC16	ATHARVA SATISH DESHPANDE	25	42	83.93	21	7	18	80					
TC17	AVINASH RAJENDRA SUTAR	25	42	83.29	21	7	18	80					
TC18	AYUSH SUHASRAO KALME	23	38	89.93	22	8	20	81					
TC19	CHAITALI PRASHANT KOLHE	25	42	89.00	22	9	23	86					
TC20	DAMAYANTI DILIP CHAVAN	21	35	86.86	22	8	20	77					
TC21	GAYATRI ANIL ASHTEKAR	19	32	90.36	23	9	23	77					



TC22	GAYATRI MILIND BHATAMBEKAR	25	42	88.71	22	8	20	84
TC23	GUNJAN JAIPAL KINGER	24	40	91.71	23	9	23	85
TC24	ISHA VIJAY KAWALE	25	42	76.50	19	7	18	78
TC25	KALASH KOUL	20	33	79.21	20	7	18	71
TC26	KETKI NITIN BHALE	25	42	94.29	24	9	23	88
TC27	KHUSH PRAKASH PATIL	AB	0	82.93	21	8	20	41
TC28	KUNAL SANJAY KULKARNI	27	45	86.43	22	8	20	87
TC29	MANASI MADHAV JOSHI	24	40	77.29	19	7	18	77
TC30	MANDAR ANAND DESHMUKH	25	42	74.50	19	7	18	78
TC31	MOKSHADA MAHESH POTDAR	27	45	86.50	22	8	20	87
TC32	NAMAN SHUBHCHANDRA DAS	27	45	88.86	22	7	18	85
TC33	NIRAJ SAMBER SHAHA	25	42	70.00	18	7	18	77
TC34	PRASANNA DNYANESHWAR PAWAR	27	45	77.14	19	7	18	82
TC35	PRATHAMESH VIJAY JADHAV	28	47	84.07	21	8	20	88
TC36	PRATIK JAYDIP KHETMALIS	22	37	80.64	20	8	20	77
TC37	PRATIK NANDKUMAR BATHE	27	45	75.57	19	7	18	81
TC38	PRATIK NANDKUMAR MANDORE	25	42	80.50	20	8	20	82
TC39	PRATIK PRASHANT CHITNIS	25	42	93.00	23	9	23	87
TC40	PURVA NARESH JADHAV	24	40	72.00	18	7	18	76
TC41	PURVESH MANOJ NEVE	25	42	83.64	21	8	20	83
TC42	RADHIKA RAJENDRA PATIL	27	45	85.14	21	8	20	86
TC43	RAJWARDHAN TANAJI JATRATE	AB	0	81.57	20	8	20	40
TC44	ROHAN VIKAS PATIL	22	37	90.43	23	9	23	82
TC45	ROHINI GURURAJA RAO	23	38	64.00	16	7	18	72
TC46	RUCHI SAMEER THAKARE	27	45	90.43	23	7	18	85
TC47	RUTIK MARUTI LAHAMATE	23	38	70.64	18	7	18	73
TC48	RUTUJA RAJESH JANGLE	27	45	80.14	20	8	20	85
TC49	SAKSHI SHASHIN PAWAR	27	45	87.57	22	9	23	89
TC50	SANJYOT SANTOSH PANURE	25	42	86.50	22	8	20	83
TC51	SAUHAARD RAJESHKUMAR SAINI	25	42	79.43	20	7	18	79
TC52	SHIVANI ATUL BHINGE	25	42	82.29	21	8	20	82
TC53	SHREEYASH KAILAS BORSE	25	42	90.21	23	9	23	87
TC54	SHREYA DILIP NIGADE	25	42	86.21	22	8	20	83
TC55	SHREYAS MADHUKAR CHAVHAN	20	33	79.86	20	8	20	73
TC56	SONAL SANJAY SHITOLE	26	43	88.50	21	8	20	85

TC57	SOURABH SUNIL DESHMANE	27	45	86.86	22	8	20	87
TC58	SUMIT RAVINDRA PATIL	24	40	93.79	23	9	23	86
TC59	SWAPNIL RANGNATH NADEKAR	25	42	84.64	21	8	20	83
TC60	SWAPNIL VIJAY KHAIRNAR	24	40	88.36	22	8	20	82
TC61	TANMAY MAHESH SAMDANI	25	42	87.64	22	8	20	84
TC62	TANMAY YOGESH SHINDE	25	42	79.50	20	7	18	79
TC63	UMESH SANATKUMAR INAMDAR	25	42	70.43	18	7	18	77
TC64	VIKAS SESANANDA PRADHAN	25	42	90.57	23	9	23	87
TC65	VISHVESH SANJAY SONAWANE	25	42	86.29	22	8	20	83
TC66	VISHWAJEET PATIL	24	40	84.14	21	8	20	81
TC67	WASIMPASHA CHANDPASHA PATWARI	21	35	93.14	23	9	23	81
TC68	YASH RAJESH PANCHWATKAR	22	37	79.57	20	8	20	77
TC69	YASHWARDHAN NAVIN SHINDE	27	45	86.29	22	8	20	87
TC70	VINAY KAMALKISHOR MISHRA	AB	0	83.57	21	8	20	41
TC71	ASHITOSH JADHAV	25	42	85.57	21	8	20	83
TC72	SARVESH JAISWAL	25	42	85.50	21	8	20	83
TC73	PAYAL BAJARANG KADAV	24	40	94.57	24	9	23	86
TC74	PRAJAKTA JAGDISH BADGUJAR	25	42	93.50	23	9	23	88
TC75	PRERNA JAYAWANTRAO NARKHEDE	25	42	83.36	21	8	20	83
TC76	SAMRUDDHI MAHENDRA KADAM	25	42	80.86	20	8	20	82
TC77	SHASHANK JUGNU MACHARE	24	40	93.07	23	9	23	86
TC78	SUDARSHAN SURESH JADHAV	25	42	84.07	21	8	20	83
TC79	SUKANYA SUDHAKAR MADBHAVI	25	42	85.64	21	8	20	83
TC80	VISHAL CHOKKAIAH AIMGANTI	26	43	85.64	21	8	20	85
TC81	PRUTHVIRAJ PATIL	23	38	YD	0	6	15	53



Signature of Faculty



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22 Semester : I

LIST OF SLOW LEARNERS

Class: T.E.

Subject: Theory of Computation

Roll No.	Name of the Student	Total % Weightage Based on Parameter (out of 100)
TC27	KHUSH PRAKASH PATIL	41
TC43	RAJVARDHAN TANAJI JATRATE	40
TC70	VINAY KAMALKISHOR MISHRA	41
TC81	PRITHVIRAJ PATIL	53



Sign of Faculty:



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22 Semester : I

LIST OF ADVANCED LEARNERS

Class: T.E.**Subject: Theory of Computation**

Roll No.	Name of the Student	Total % Weightage Based on Parameter (out of 100)
TC06	ANIKET DADASAHEB MUKADE	88
TC14	ARYAN SANJAY KENCHAPPAGOL	91
TC26	KETKI NITIN BHALE	88
TC35	PRATHAMESH VIJAY JADHAV	88
TC39	PRATIK PRASHANT CHITNIS	87
TC49	SAKSHI SHASHIN PAWAR	89
TC74	PRAJAKTA JAGDISH BADGUJAR	88

Sign of Faculty: 



Hope Foundation's
International Institute of Information technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - I

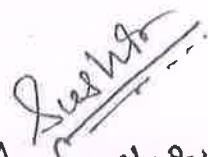
SCHEDULE OF SLOW LEARNER ACTIVITIES

Class : TE

Course : Theory of Computation

Name of Faculty: Sunil A. Sushir

Lecture No.	Date	Time	Activity	Topic/Unit Covered
1	06-12-2021	4:00 pm to 5:00pm	Lecture by faculty	Concept of FSM
2	07-12-2021	4:00 pm to 5:00pm	Lecture by faculty	NFA & DFA
3	08-12-2021	4:00 pm to 5:00pm	Lecture by faculty	Grammers
4	09-12-2021	4:00 pm to 5:00pm	Lecture by faculty	Push down automation
5	10-12-2021	4:00 pm to 5:00pm	Lecture by faculty	Turing Machine


Sunil A. Sushir
Name and Signature of Subject Teacher





Hope Foundation's
International Institute of Information technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22, Semester - I

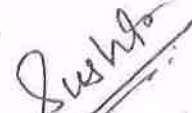
List of Assignments/Projects given to Advanced Learners

Class : TE

Course : Theory of Computation

Name of Faculty: Sunil A. Sushir

Roll No.	Name of Student	Assignment
TC06	ANIKET DADASAHEB MUKADE	Implement Compiler by using CFG Concept
TC14	ARYAN SANJAY KENCHAPPAGOL	Prepare Video on Turing Machine advantages, applications, scope
TC26	KETKI NITIN BHALE	Prepare Video on PDA advantages, applications, scope
TC35	PRATHAMESH VIJAY JADHAV	Prepare video on Turing Machine 3 Complex problems
TC39	PRATIK PRASHANT CHITNIS	Implement and show the simulation of Push down automata
TC49	SAKSHI SHASHIN PAWAR	Implement and show the simulation of turing Machine automata
TC74	PRAJAKTA JAGDISH BADGUJAR	Prepare Video on Grammar, Normal Forms


Sunil A. Sushir
Name and Signature of Subject Teacher



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year : 2021-22 Semester : I

ATTENDANCE RECORD OF SLOW LEARNERS

Class: T.E.

Subject: Theory of Computation

Roll No.	Name of the Student	Lect No	1	2	3	4	5	6
		Date	06-Dec	07-Dec	08-Dec	09-Dec	10-Dec	
TC27	KHUSH PRAKASH PATIL		P	P	P	P	P	
TC43	RAJVARDHAN TANAJI JATRATE		P	A	P	P	P	
TC70	VINAY KAMALKISHOR MISHRA		P	P	A	P	A	
TC81	PRITHVIRAJ PATIL		P	P	P	P	P	
		Signature of Faculty	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
		Signature of Academic Co-Ordinator						
		Signature of Head of Department						



12IT / ACAD / CP / 16



Stream

Classwork

People

Marks

All topics

Create



Module - 02 Notes

Edited 1 Sept 2021

Presentation-PPT for Module - 02

Posted 25 Aug 2021

Module - 01 Notes

Edited 2 Sept 2021

Presentation-PPT for Module - 01

Posted 25 Aug 2021

Syllabus

Posted 25 Aug 2021

Video Sharing Quiz - Module 01

Due 14 Jul 2021, 17:00

Department Vision Mission PEOs

Posted 5 Jul 2021

Advance Learner



Advance Learner Assignment Submi...

Due 20 Dec 2021

Content Beyond Syllabus 01



CBS Recording - 01

Posted 16 Nov 2021



Recording 04

Edited 1 Oct 2021

Recording 05

Edited 1 Oct 2021

Recording 06

Edited 1 Oct 2021

Recording 07

Edited 1 Oct 2021

Recording 08

Edited 1 Oct 2021

Recording 09

Edited 1 Oct 2021

Recording 10

Edited 1 Oct 2021

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Media Playback Audio Video Subtitle Audio View Help

Formal Description

- $M = (Q, \Sigma, L, R, \delta, s, t, r)$
- where
- Q is the finite, non-empty set of states
- Σ is the finite, non-empty set of input alphabet
- L is the left endmarker
- R is the right endmarker
- $\delta: Q \times (\Sigma \cup \{L, R\}) \rightarrow (Q \times \{\text{Left}, \text{Right}\})$
- $s \in Q$ is the start state,
- $t \in Q$ is the accept state or end state

17:11 32.31

Media Playback Audio Video Subtitle Audio View Help

01:00 11:41





Hope Foundation's
International Institute of Information Technology, Pune
Department of Computer Engineering
ACADEMIC YEAR : 2021-22, Semester - I

Attendance

SLOW AND ADVANCED LEARNER IDENTIFICATION

Course Code : 410245(B) Course Name: STQA				Class : BE Name of Faculty: Prof.Kimi B. Ramteke				
Roll No.	Name of Student	Class Test I (Out of 30)	50% Weightage	Marks In Previous Exam	25% Weightage	Observation (on the Scale)	25% Weightage	Weightage (out of 100)
BC01	KALE ABHJEET DATATRAY	14	23	80	20	7	18	61
BC02	KULKARNI ABHJEET RAGHVENDRA	23	38	95	24	10	25	87
BC03	KANADE ADITI RAMESH	23	38	92	23	10	25	86
BC04	ADITYA ANOOP SRIVASTAVA	23	38	86	21	7	18	77
BC05	CHAVAN AMEY AVINASH	AB	0	37	9	0	0	9
BC06	MUDALIAR ANJALI GOVINDRAJAN	AB	0	89	22	7	18	40
BC07	CHATTAR ARJUN PRAKASH	18	30	73	18	7	18	66
BC08	KULKARNI ATHARV PRASHANT	AB	0	91	23	9	23	45
BC09	DIPANSHU	23	38	94	24	8	20	82
BC10	GAJBHIYE DISHA SHASHANK	25	42	89	22	9	23	80
BC11	JAYBHAY GAURAV TATYASAHEB	24	40	94	23	10	25	88
BC12	JADHAV ISHALI MAHENDRA	24	40	93	23	10	25	88
BC13	NIRANTAR KETKI SHASHANK	24	40	94	23	8	23	86
BC14	PATIL KSHITIJ JAYWANT	19	32	93	23	9	23	77
BC15	JOSHI LALKRISHNA VINAYAK	23	38	91	23	10	25	86
BC16	MAHESH ARUN PATIL	24	40	93	23	9	23	86
BC17	HARWANI MOHINSHI DIP	21	35	89	22	10	25	82
BC18	INAMDAR NABAH IRFAN	20	33	88	22	9	23	78
BC19	PATIL NACHIKET SANDHEEP	22	37	93	23	10	25	85
BC20	NEHAL PILLAI	19	32	92	23	10	25	80
BC21	VARGHESE NIKHIL AJI	22	37	94	23	9	23	83
BC22	KANDEKAR NIKHIL BABAN	23	38	91	23	9	23	84
BC23	SAWANT ONKAR BHARAT	20	33	91	23	8	20	76
BC24	PAGARIYA PAYAL GANESHILAL	20	33	86	21	6	15	70
BC25	HIEMATH POOJA MAHESHWAR	25	42	93	23	9	23	87
BC26	DESHMUKH PRANAV RAVINDRA	12	20	85	21	7	18	59
BC27	MENE PRANAV VINOD	21	35	89	22	8	20	77
BC28	KURUNKAR PRATHAMESH PANDURANG	23	38	91	23	10	25	86
BC29	VORA PREM BHAVESHCHAI	23	38	88	22	4	10	70
BC30	RISHABH CHANCHAL KARMAKAR	24	40	94	24	10	25	89
BC31	RITIKESH BHATT	18	30	87	22	6	15	67
BC32	BHOSIKAR ROHAN RAJESHWAR	24	40	83	21	5	13	73
BC33	GHANPATI RUPAK RAVINDRA	24	40	85	21	5	13	74
BC34	SHINPURE RUPALI NARAYAN	23	38	89	22	8	20	81
BC35	SHINDE SADHVEE PRADEEP	20	33	89	22	8	20	76
BC36	SATHEJ SINGH SWINDER PAL SINGH CHANDOK	22	37	90	23	8	20	79
BC37	SAKSHI PATIL	23	38	90	22	8	20	81
BC38	GAIKWAD SAMIKSHA SHAM	22	37	89	22	8	20	79
BC39	WANJARI SANGALP KAILASH	21	35	87	22	6	15	72
BC40	KALYANKAR SEJAL SACHIN	22	37	88	22	7	18	76
BC41	BHASKAR SHREEBRAM MACHIND	21	35	87	22	7	18	74
BC42	PURANDARE SHRIYA VAIBHAV	26	43	85	21	8	20	85
BC43	PATIL SHUBHAM SATISH	21	35	86	21	6	15	71
BC44	SAPA SHUBHANKAR GANESH	24	40	83	21	2	5	66
BC45	DHARMATTI SIDDHANT MAHESH	24	40	89	22	7	18	80
BC46	JAIN SUMIT RATILAL	23	38	82	23	8	20	81
BC47	KHANDEKAR SUNNY JAGDISH	23	38	84	21	6	15	74
BC48	DESHIPANDE SWAPNIL PRASHANT	14	23	90	23	10	25	71
BC49	SWAPNIL SUNIL THORAT	AB	0	80	20	5	13	32
BC50	SWATHI BALAJI	16	27	82	20	8	20	67
BC51	SYED WILAYAT	22	37	88	22	8	20	79
BC52	SHAKH TOLU IQ SALIM	19	32	89	22	8	20	74
BC53	VEDANG MATLEY	23	38	91	23	7	18	79
BC54	BHISTANNARAV VIDYA ONKAR	12	20	80	20	8	20	60
BC55	SHENDE VINOD GORAKH	13	22	83	21	5	13	55
BC56	VISHESI WAGHMAHE	22	37	91	23	9	23	82
BC57	DESHMUKH VIVEK JAYANT	23	38	84	21	5	13	72
BC58	MORE YUKTA VISHNU	23	38	90	22	8	20	81
BC59	INAMDAR ZAHID ALTAJ	20	33	86	21	6	15	70
BC60	SANJEEV KUMAR PATIL	22	37	87	22	7	18	76
BC61	MAHALE ADITI SUDHAKAR	10	27	84	21	0	20	68
BC62	CHAURIAN NIKITA BHARAT	20	33	88	22	8	20	75





Hope Foundation's
International Institute of Information Technology, Pune
Department of Computer Engineering
ACADEMIC YEAR : 2021-22, Semester - I

SLOW AND ADVANCED LEARNER IDENTIFICATION

Course Code : 410245(B)				Class : BE				
Course Name: STQA				Name of Faculty: Prof. Kimi B. Ramteke				
Roll No.	Name of Student	Class Test I (Out of 30)	50% Weightage	Marks in Previous Exam	25% Weightage	Observation (on the Scale)	25% Weightage	Weightage (out of 100)
BC63	SHAIKH SADIYA RAHIQ	25	42	88	22	8	20	84
BC64	JADHAV TEJAL SHARAD	15	25	87	22	9	23	69
BC65	SHREYASH SUJITRAO TEHARE	14	23	83	21	8	20	64
BC66	GHANTE PRERNA VINOD	15	25	88	22	9	23	70
BC67	KUVALEKAR SHREYA ANAND	24	40	90	23	10	25	88
BC68	SHENDE MRUNAL SUNIL	15	25	91	23	10	25	73
BC69	VINAY KASHIMAHANTI	22	37	86	22	7	18	76
BC70	KANCHAN KUMAWAT	23	38	86	21	7	18	77
BC71	KETAN RAUT	24	40	80	20	5	13	73
BC72	SHRADDHA JAGTAP	10	17	74	18	8	20	55
BC73	SADIK SHAIKH	16	27	88	22	8	20	69
BC74	AMAN GUPTA	23	38	82	20	8	15	74
BC75	PRATIKSHA RATOD	25	42	84	21	6	15	78
BC76	BIBU KUMAR	20	33	79	20	5	13	68
BC77	SOHEL MUSTAQ SHAIKH	24	40		0	8	20	60


Signature of Faculty





Hope Foundation's
International Institute of Information Technology, Pune
Department of Computer Engineering
ACADEMIC YEAR : 2021-22, Semester - I

Innovation & Leadership

SCHEDULE OF ADVANCE LEARNER ACTIVITIES

Class : BE

Course : STQA

Name of Faculty: Prof. Kimi B. Ramteke

Lecture No.	Date	Time	Activity	Topic/Unit Covered
1	11-10-2021	9.15 AM	Lecture by Advanced Learners	Create Cause and Effect Diagram with sample data
2	8-10-2021	10.15 AM	Lecture by Advanced Learners	Create Histogram Diagram with sample data
3	11-10-2021	9.15 AM	Lecture by Advanced Learners	Unit testing for Python using Unittest Framework
4	8-10-2021	10.15 AM	Lecture by Advanced Learners	Unit testing for Java using Junit Framework


Faculty Sign





Hope Foundation's
International Institute of Information Technology, Pune
Department of Computer Engineering
ACADEMIC YEAR : 2021-22, Semester - I

List of Assignments/Projects given to Advanced Learners

Class : BE

Course : STQA

Name of Faculty: Prof.Kimi B. Ramteke

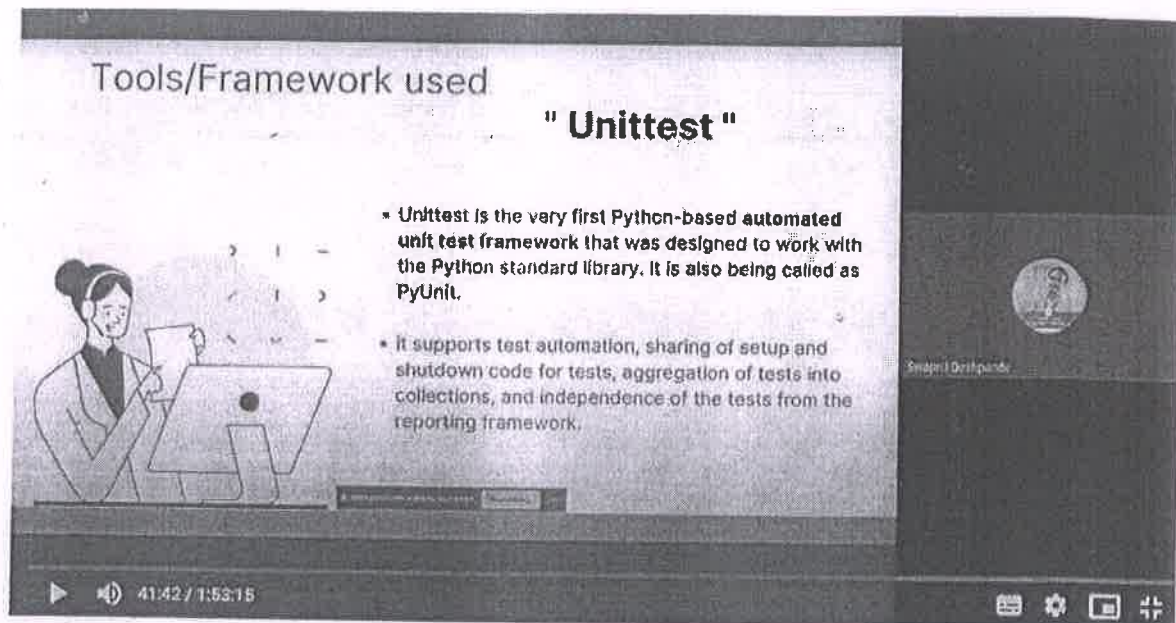
Roll No.	Name of Student	Assignment
BC30	Rishabh karmakar	Create Cause and Effect Diagram with sample data
BC14	Kshitija	Create Histogram Diagram with sample data
BC48	Swapnil Deshpande	Unit testing for Python using unittest Framework
BC19	Nachiket Patil	Unit testing for Java using Junit Framework



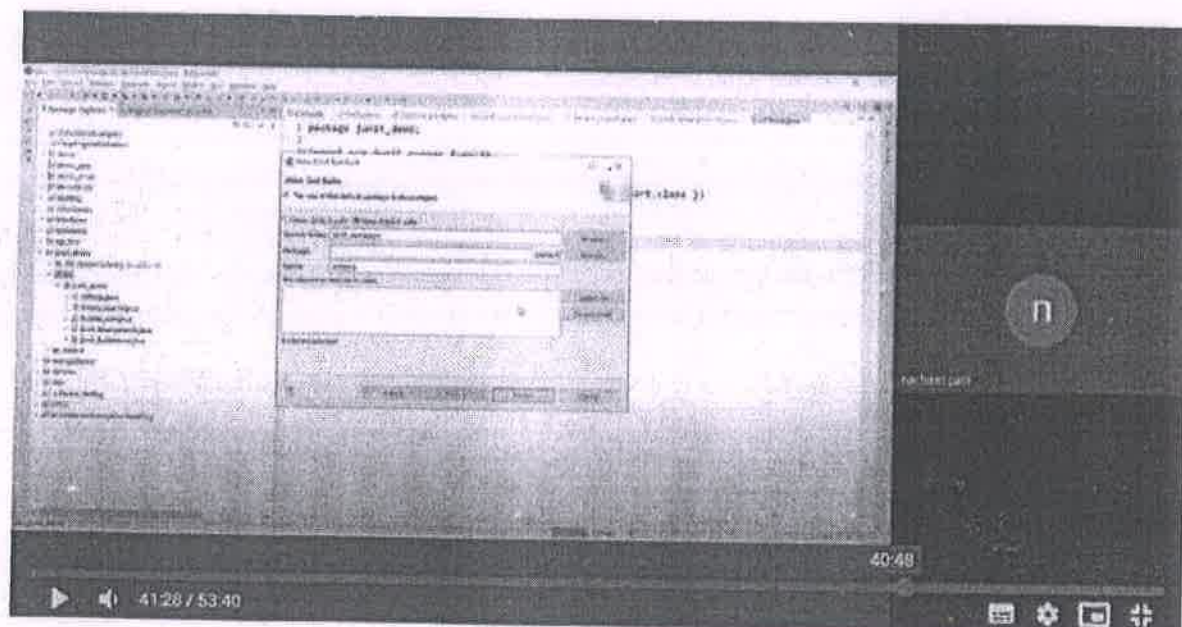
(Signature)

Prof. K. Ramteke

Name and Signature of Subject Teacher



Swapnil Deshpande presenting Unit Test Framework



Nachiket demonstrating the testing using JUNIT





Hope Foundation's

International Institute of Information Technology (I²IT)

P-14, Rajiv Gandhi Infotech Park, Phase - 1, Hinjawadi, Pune - 411057

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year : 2021-22, Semester - I

Summary of Slow Learner and Advanced Learner Activity

Sr. No.	Class	Subject	Faculty Name	Activity Conduction Status
1	SE	Object Oriented Programming	Prof. Sarang S.	Y
2	SE	Data Structures and Algorithm	Prof. Manjusha A.	Y
3	TE	Design and Analysis of Algorithms	Prof. Keshav T.	Y
4	TE	Machine Learning	Prof. Jyoti S.	Y
5	TE	Human Computer Interaction	Prof. Ekta C.	Y
6	TE	Theory of Computation	Prof. Pranali D.	Y
7	TE	Data Science and Visualization	Prof. Yogita N.	Y
8	TE	Operating System	Prof. Bhavana K.	Y
9	BE	Business Analytics and Intelligence	Prof. Manjusha A.	Y
10	BE	Machine learning and Applications	Prof. Anand B.	Y

Head of Department



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DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2021-22, Semester - I

List of Assignments/Projects given to Advanced Learners

Class : SE

Course : OOP

Name of Faculty: Prof. Sarang A. Saoji

Roll No.	Name of Student	Assignment
SI51	SANIKA ANIL AMRUTKAR	Interface in Java
SI40	PRATIK PREMCHAND NARKHEDE	
SI16	GANESH SHANKAR DHUMAL	Collection Classes and Interfaces
SI13	AVISHKAR ANIL PATIL	


Name and Signature of Subject Teacher

Prof. Sarang A. Saoji



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2021-22, Semester - I

SCHEDULE OF SLOW LEARNER ACTIVITIES

Class : SE

Course : OOP

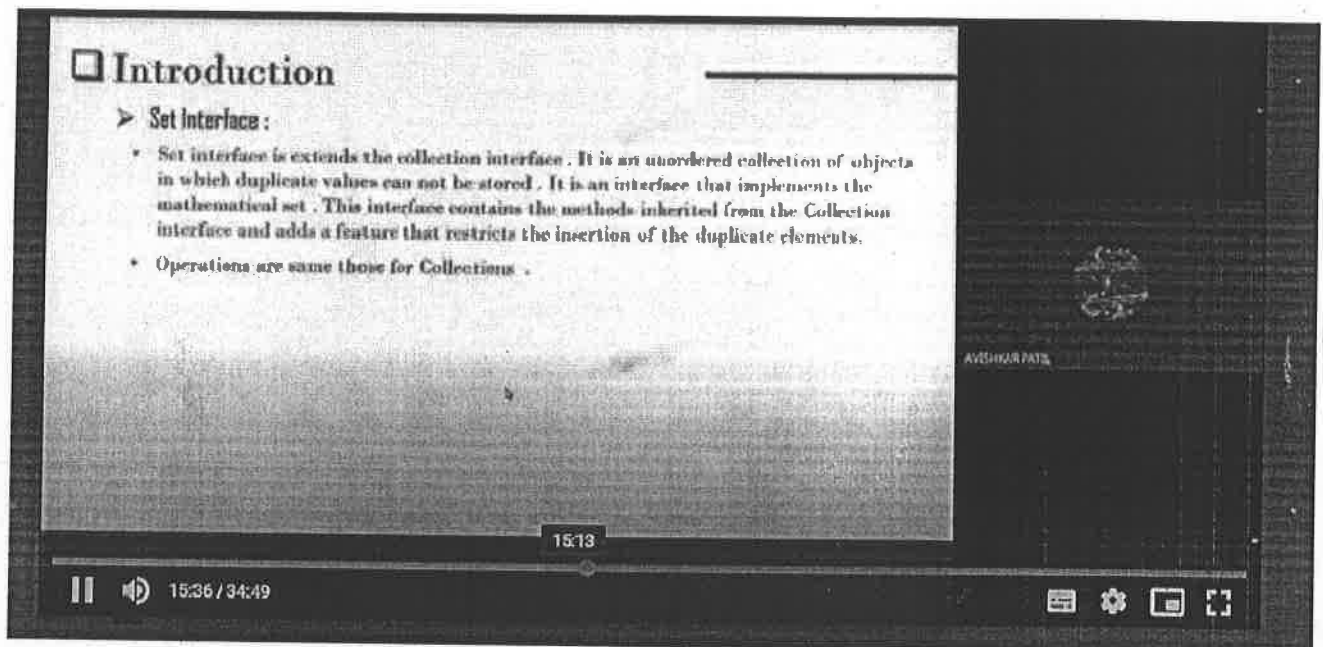
Name of Faculty: Prof. Sarang A. Saoji

Lecture No.	Date	Time	Activity	Topic/Unit Covered
1	23/11/2021	10.15 AM to 11.05 AM	Topic to be covered by Advanced Learner	Interface in Java
2	29/11/2021	10.15 AM to 11.05 AM	Topic to be covered by Advanced Learner	Collection Classes
3	30/11/2021	10.15 AM to 11.05 AM	Topic to be covered by Advanced Learner	Collection Interfaces

Name and Signature of Subject Teacher

Prof. Sarang A. Saoji

Photo:



Avishkar Patil presenting Set Interfaces (Set Interface)



International Institute of Information technology, Pune
DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2021 - 2022, Semester - I

SCHEDULE OF SLOW LEARNER ACTIVITIES

Class : TE IT	Course Code :314441
Course : Theory of Computaion	Name of Faculty: Prof Pranali Deshmukh

Lecture No.	Date	Time	Activity	Topic/Unit Covered
1	21/09/2021	2.00 PM To 2.45 PM	Peer to Peer Teaching and Learning	INTRODUCTION TO TOC
2	22/09/2021	11.15 AM To 12.05 PM	Peer to Peer Teaching and Learning	CONVERSION FROM NFA TO DFA
3	28/09/2021	2.00 PM To 2.45 PM	Peer to Peer Teaching and Learning	FINITE AUTOMETA WITH OUTPUT

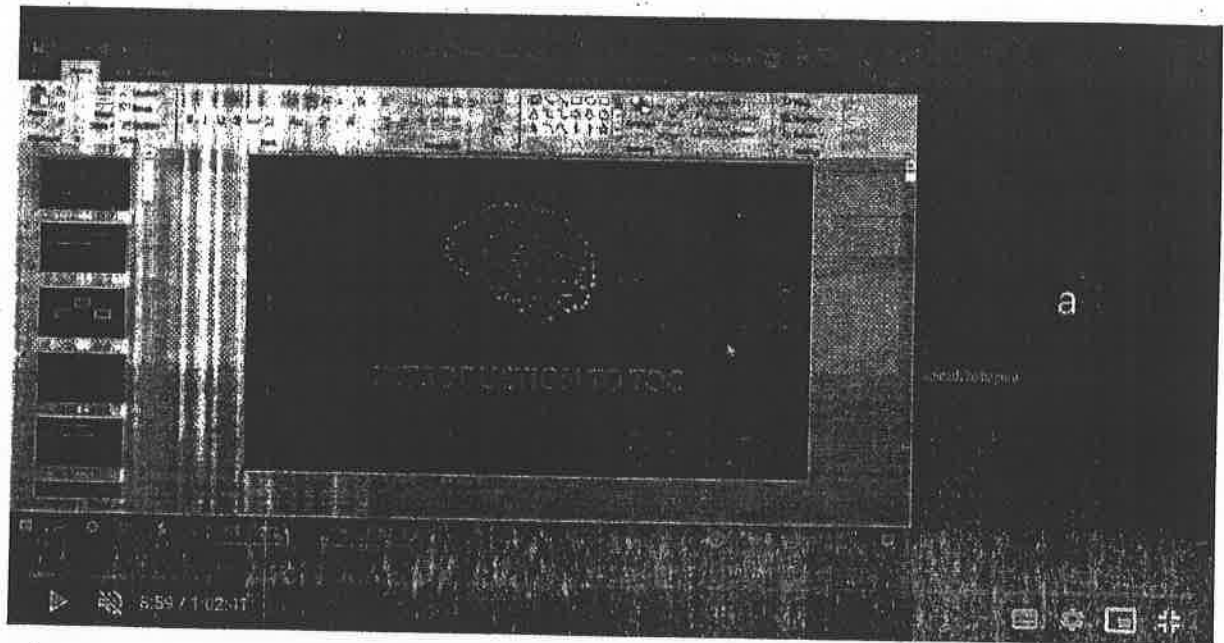
Sign of Faculty



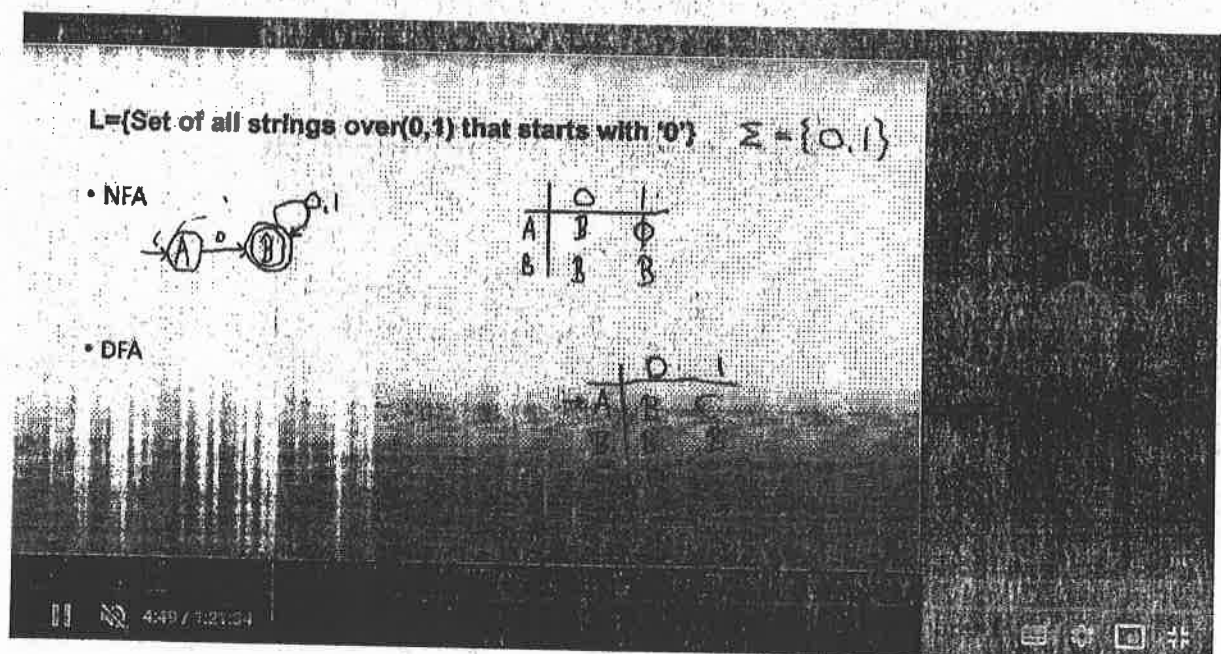
International Institute of Information technology, Pune
DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2020 - 2021, Semester - I

List of Assignments/Projects given to Advanced Learners

Class : TE IT •		Course Code :314441
Course : Theory of Computation		Name of Faculty: Pranali Deshmukh
Roll No.	Name of Student	Assignment
TI33	KOLHAPURE ADINATH DNYANOBA	INTRODUCTION TO TOC
TI56	PAWAR JANHAVI VIJAY	CONVERSION FROM NFA TO DFA
TI17	PARTH PATIL	FINITE AUTOMETA WITH OUTPUT



Pear to Pear Activity: Introduction to TOC By Adinath Kolhapure



Pear to Pear Activity: Conversion from NFA to DFA By Janhavi Pawar



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DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2021-22, Semester - I

List of Assignments/Projects given to Advanced Learners

Class : BE

Course : Business Analytics and Intelligence

Name of Faculty: Manjusha Amritkar

Roll No.	Name of Student	Presentation
BI081	Suraj Tandel	Video preparation based on BI Maturity
BI007	Ajinkya Gothankar	Video preparation based on Open source BI
BI013	Anurag Bansode	Video preparation based on Geographic BI
BI070	Shreyas Shrawage	Video preparation based on Social BI
BI038	Niharika Bist	Video preparation based on BI Framework

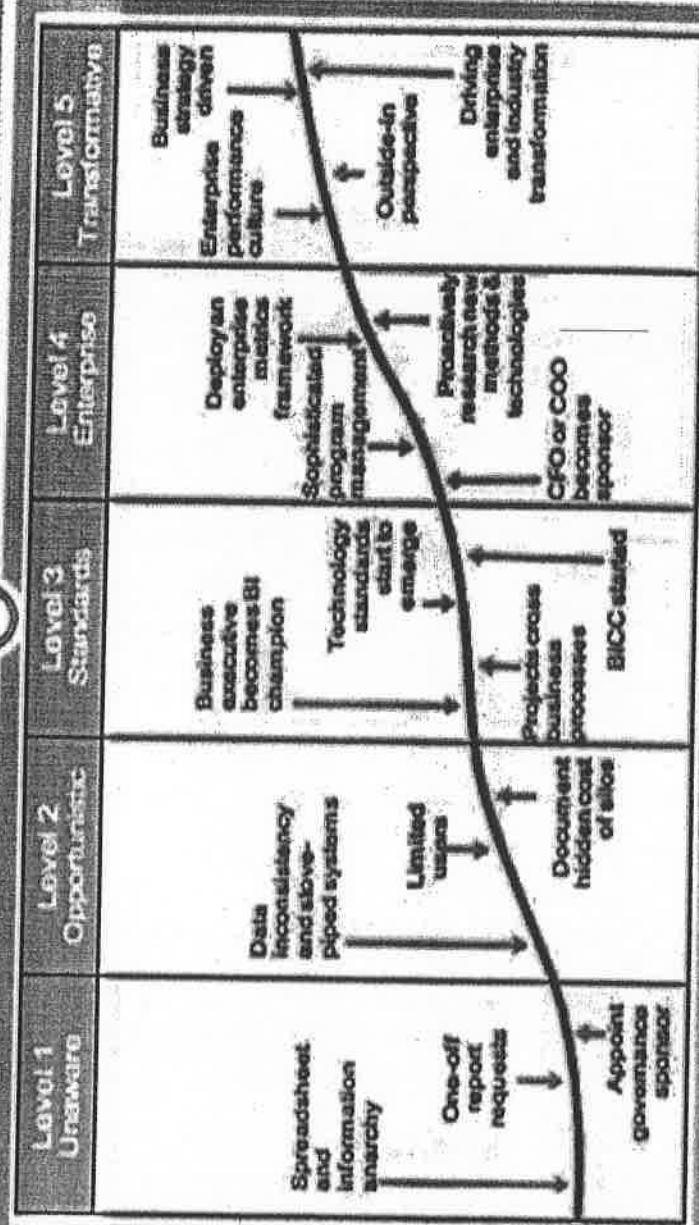

Manjusha Amritkar
Name and Signature of Subject Teacher

Handed in

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Gartner's Maturity Model for BI



Handed in

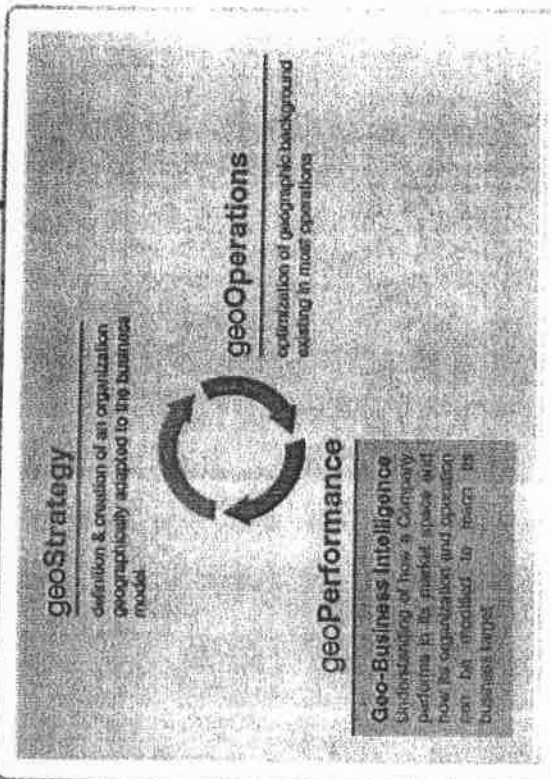
28-54jwmr

What is Social BI

- Social Business Intelligence encompasses the gathering, analysis and publishing of data, reports and information
- Social BI encourages data sharing and analysis across teams, divisions and business units
- Improves data clarity, and user understanding and comfort with analytical tools
- Increases and improves results in product development, projects, business processes, quality control, etc.



How Geographic BI helps



Files

Handed in on 20 Oct 18:01
See history

U6-AnuragBansode.p... ☒

Mark

/10

Private comments

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International Institute of Information technology, Pune
DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2021-22, Semester - II

List of Assignments/Projects given to Advanced Learners

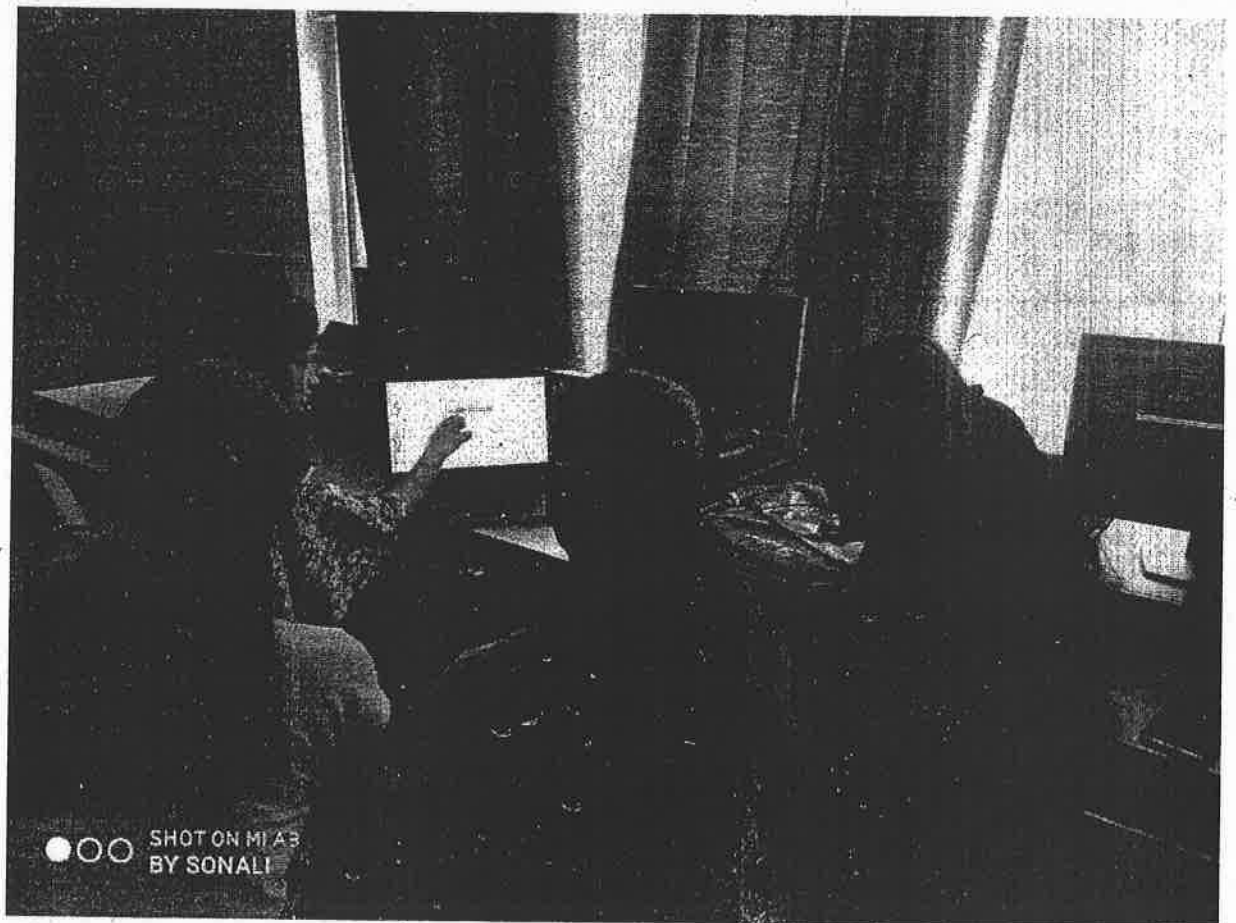
Class : BE

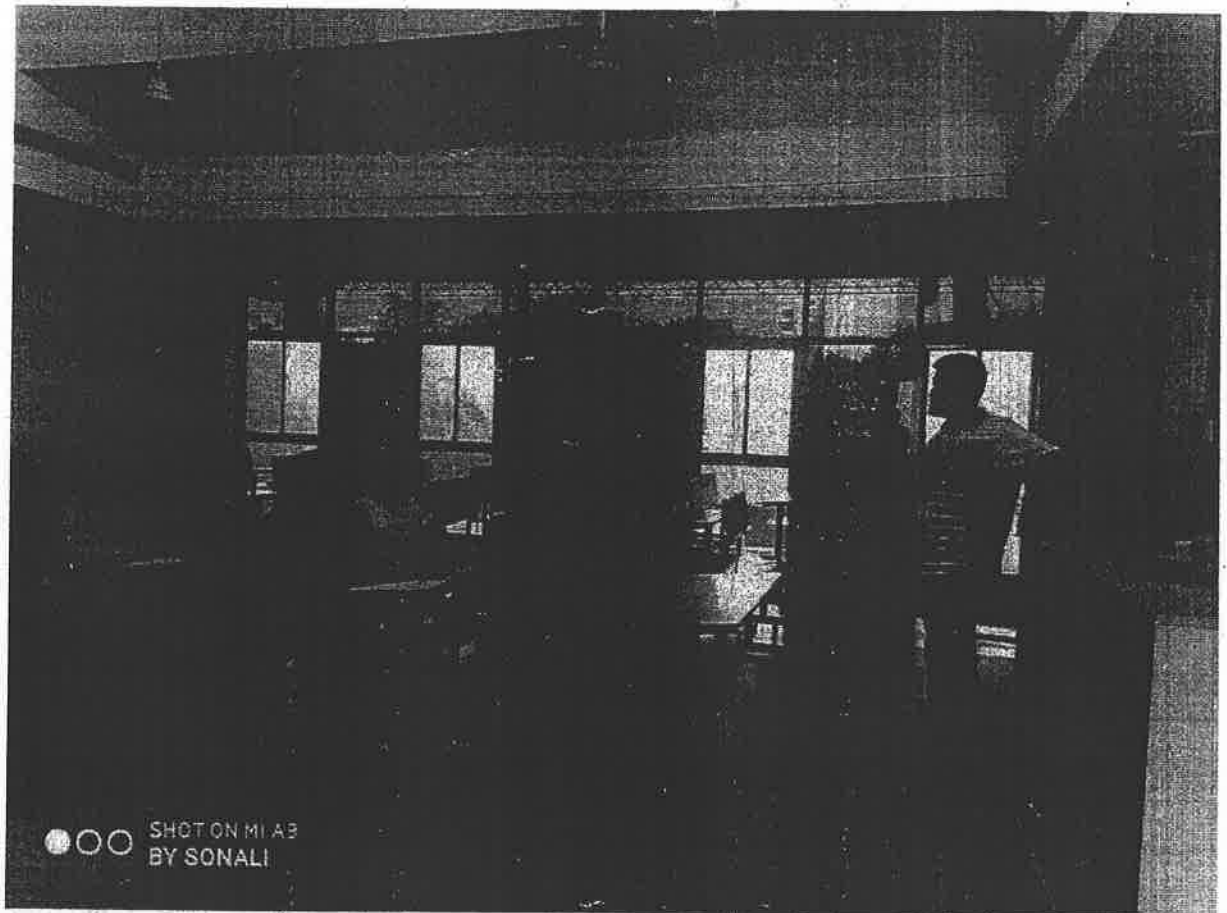
Course : SOCIAL MEDIA ANALYTICS

Name of Faculty: Deepak - S. V

Roll No.	Name of Student	Assignment
B123	Dhanashri Jaywant Rajput	Presentation on Individual behaviour model and prediction on social media
B181	Suraj Sadanand Tandel	Presentation on Facebook data analysis and API's

Name and Signature of Subject Teacher





Presentation on Facebook data analysis and API's by Suraj Tandel



International Institute of Information technology, Pune
DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2021-22, Semester - II

ADVANCE LEARNER ACTIVITIES

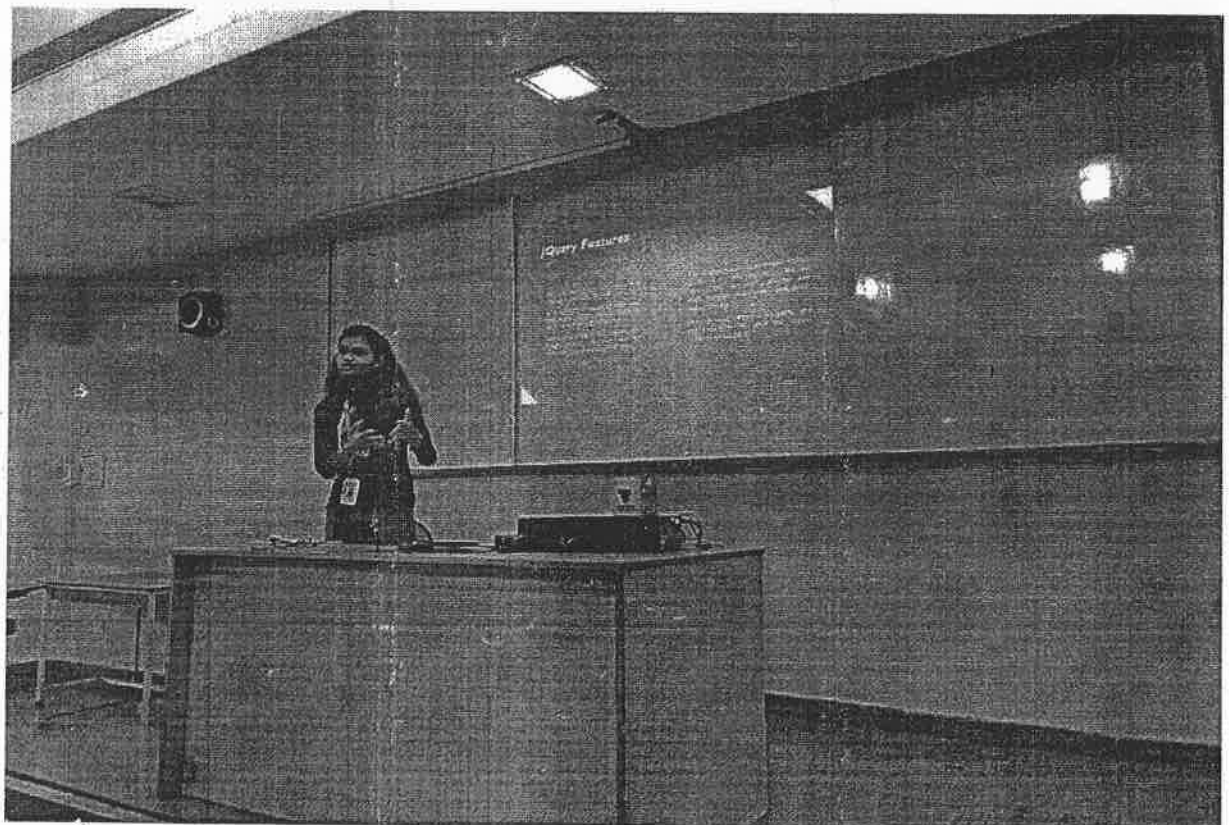
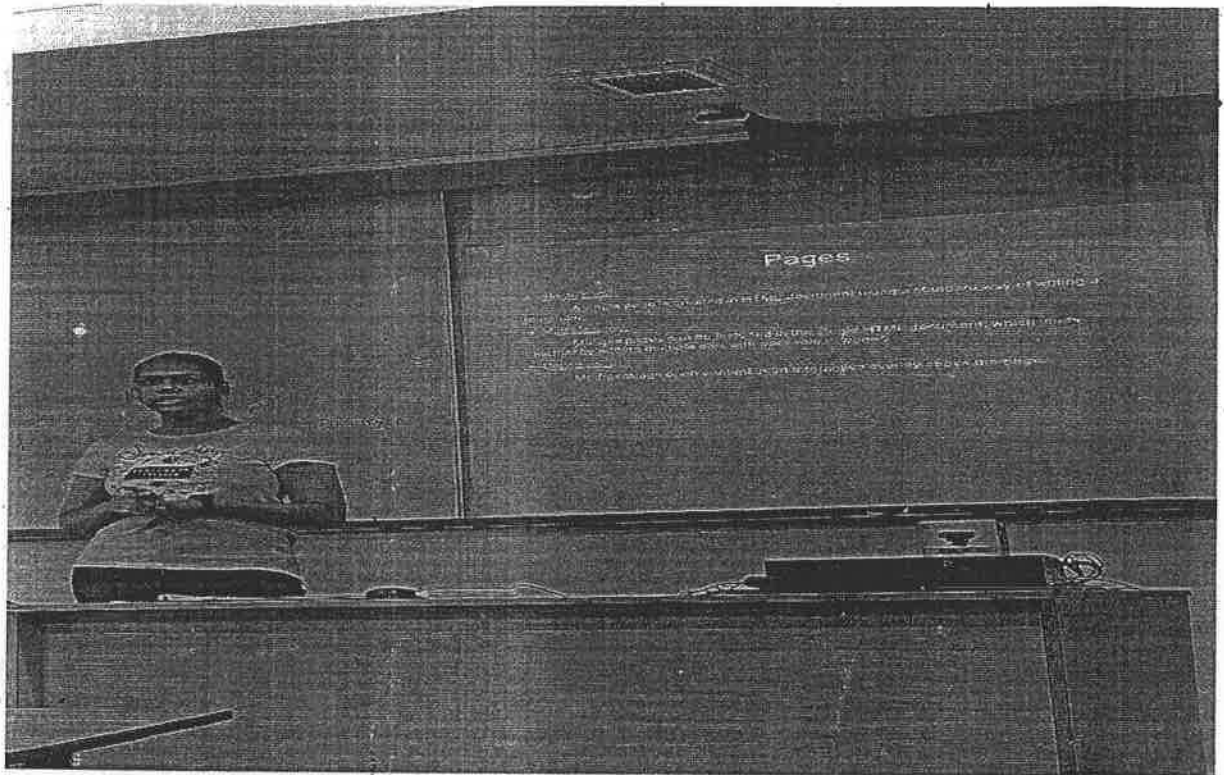
Class : TE

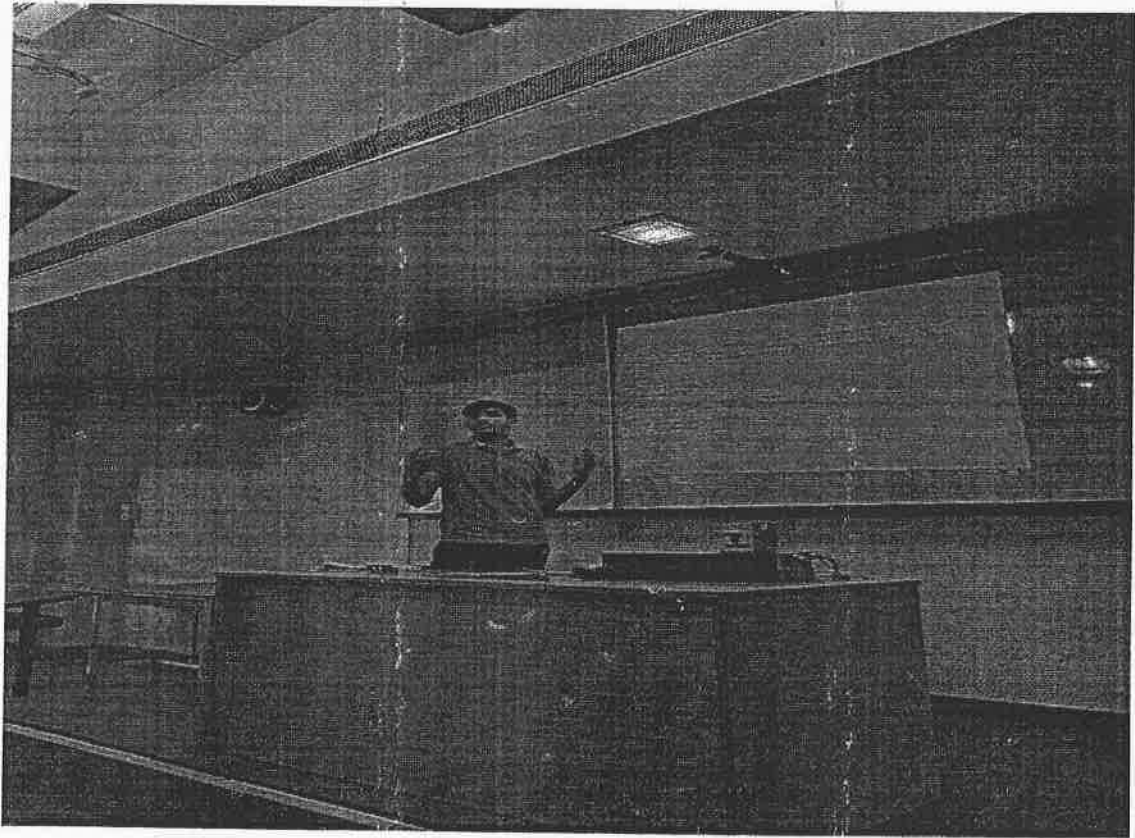
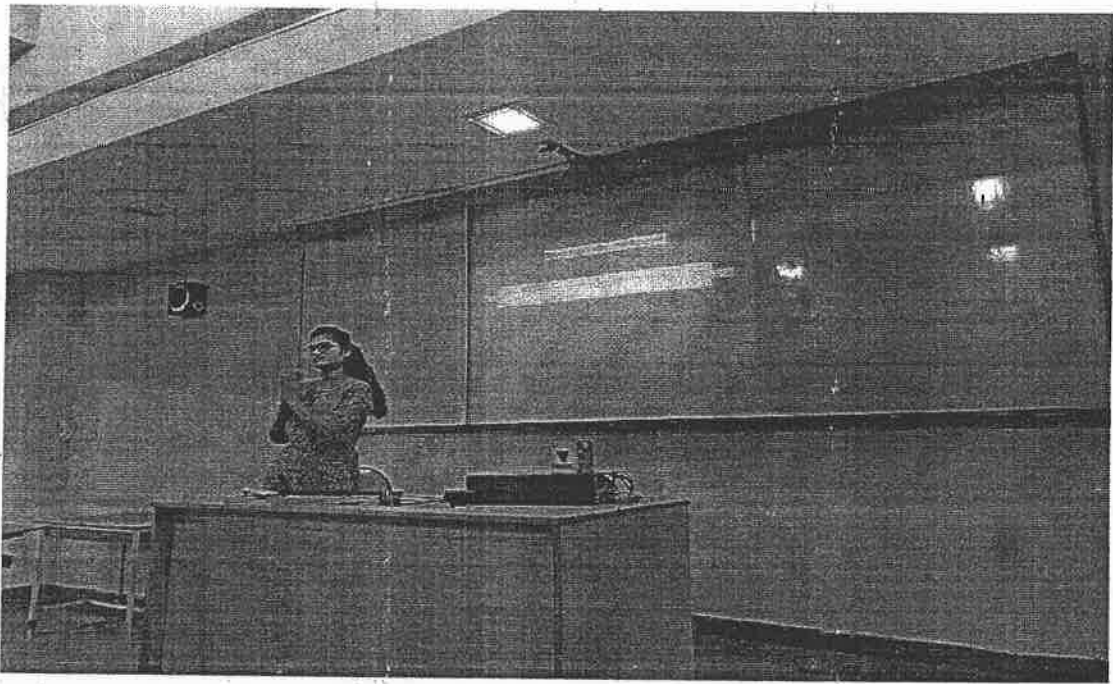
Course : Web Application Development

Name of Faculty: Monali Bansode

Roll No.	Name of Student	Date	Activity	Topic/Unit Covered
70	Swarniam Rai	5/4/2022	Lecture with PPT presentation	Building of simple mobile webpage
40	Yashashree Mahale	5/4/2022	Lecture with PPT presentation	set up of jQuery-Mobile
17	Dhake Khushi	5/4/2022	Lecture with PPT presentation	jQuery Events Forms Themes
39	Mahajan Ritu	5/4/2022	Lecture with PPT presentation	Understanding of Mobile First

Prof. Monali Bansode
Name and Signature of Subject Teacher







INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY (I²IT)

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DTE Code : EN 6754 | AISHE Code : C-41681

DEPARTMENT OF INFORMATION TECHNOLOGY

Aademic Year : 2021-22, Semester - II

Summary of Slow Learner and Advanced Learner Activity

Sr. No.	Class	Subject	Faculty Name	Activity Conduction Status
1	SE	Computer Graphics	Prof. Sarang S.	Y
2	SE	Processor Architecture	Prof. Deepak	Y
2	SE	Database management System	Prof. Bhavana K.	Y
3	TE	Artificial Intelligence	Prof. Manjusha A.	Y
4	TE	Web Application Development	Prof. Monali B.	Y
5	BE	Social Media Analytics	Prof. Deepak	Y
6	BE	Ubiquitous Computing	Dr. Jyoti	Y
7	BE	Internet and Web Programming	Prof. Sonali R.	Y


Head of Department
Dr. Jyoti Surve



Hope Foundation's
International Institute of Information technology, Pune
DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2021-22, Semester - II

List of Assignments/Projects given to Advanced Learners

Class : SE

Course : Computer Graphics

Name of Faculty: Prof. Sarang A. Saoji

Roll No.	Name of Student	Assignment
SI05	Akansha Sukhadeo Waghole	Implement DDA Line Drawing Algorithm using mouse interface.
SI13	Avishkar Anil Patil	Write a program in OpenGL on Linux Platform to draw a polygon and rotate it by 45 Degrees anticlockwise. Keep center of the polygon as a pivot point. Use keyboard interface.
SI73	Mansi Pawar	
SI14	Ayush Vaibhav Bendale	Implement Sutherland Hogman polygon clipping method to clip the polygon with respect the viewport and window.
SI24	Lalit K. Girase	Curves: Introduction, interpolation and approximation, Spline Interpolation Methods – hermite interpolation, Bezier curves (Implementation), B-Splines.
SI40	Pratik P. Narkhede	
SI45	Rishabh S. Moharir	Fractals: Introduction, Classification, fractal Dimension, Fractal dimension and surfaces, Hilbert curve, Koch Curve (Implementation).
SI57	Soumya V. Bethi	
SI78	Utkarsha P. Karale	Animation: Basics of animation, types of animation, principles of animation, design of animation sequences, animation languages, key frame, morphing, motion specification. Methods of controlling animation, frame-by-frame animation techniques, real-time animation techniques.
SI56	Sidharth M. Kumthekar	


Name and Signature of Subject Teacher

Prof. Sarang A. Saoji



Hope Foundation's
International Institute of Information technology, Pune
DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2021-22, Semester - II

SCHEDULE OF SLOW LEARNER ACTIVITIES

Class : SE

Course : Computer Graphics

Name of Faculty: Sarang A. Saoji

Lecture No.	Date	Time	Activity	Topic/Unit Covered
1	05-05-2022	9:00 AM To 11:30 AM (2.5 Hours)	Peer-Peer Learning	1. Implement DDA Line Drawing Algorithm using mouse interface. 2. Write a program in OpenGL on Linux Platform to draw a polygon and rotate it by 45 Degrees anticlockwise. Keep center of the polygon as a pivot point. Use keyboard interface.
2	06-05-2022	9:00 AM To 11:30 AM (2.5 Hours)	Peer-Peer Learning	1. Implement Sutherland Hogman polygon clipping method to clip the polygon with respect the viewport and window. 2. Curves: Introduction, interpolation and approximation, Spline Interpolation Methods – hermite interpolation, Bezier curves (Implementation), B-Splines.
3	09-05-2022	10:15 AM To 12:45 AM (2.5 Hours)	Peer-Peer Learning	1. Fractals: Introduction, Classification, fractal Dimension, Fractal dimension and surfaces, Hilbert curve, Koch Curve (Implementation). 2. Animation: Basics of animation, types of animation, principles of animation, design of animation sequences, animation languages, key frame, morphing, motion specification. Methods of controlling animation, frame-by-frame animation techniques, real-time animation techniques.


Name and Signature of Subject Teacher

Prof. Sarang A. Saoji



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2021-22 Semester - II

ATTENDANCE RECORD OF SLOW-ADVANCED LEARNERS

Class: S.E.

Subject: Computer Graphics

Roll No.	Name of the Student	Lect No	1	2	3
		Date	05-05-2022 (2.5 Hours)	06-05-2022 (2.5 Hours)	07-05-2022 (2.5 Hours)
SI01	AASHI SAXENA		P	AB	P
SI02	ADITYA SATISH CHOUTHANKAR		P	P	P
SI03	AHARV ASHOK DIVEKAR		P	P	AB
SI04	AJINKYA LAXMIKANT NANGARE		P	P	P
SI05	AKANSHA SUKHADEO WAGHOLE		P	P	P
SI06	TAMAYACHEKAR		P	P	P
SI07	ANKITA BHARTI		P	P	P
SI08	ANUJ ANIL NEMANWAR		P	P	P
SI09	ANUJA ARJUN KOTKAR		P	P	P
SI10	ASHISH SHIVAJI MUNDHE		P	P	P
SI11	ATHARVASHIRSH T		P	P	P
SI12	AVANTIKA AKHILESH PANDEY		P	P	P
SI13	AVISHKAR ANIL PATIL		P	P	AB
SI14	AYUSH VAIBHAV BENDALE		P	P	P
SI15	CHAITANYA VIKAS SHINDE		P	P	P
SI16	GANESH SHANKAR DHUMAL		P	AB	AB
SI17	GAURANG MANDAR MUSALE		P	P	P
SI18	GAURAV MORESHWAR AWASARE		P	P	P
SI19	HARICHANDANA CHERUKURI		P	P	P
SI20	HASNAIN KAIZAR VIRANEY		P	P	P
SI21	HERAMB RAJESH JAIPURKAR		AB	AB	P
SI22	JANHAVI GANGARAM KUMBHAR		P	P	P
SI23	JOYCE JOSEPH		P	P	P
SI24	LALIT KIRANKUMAR GIRASE		P	P	P
SI25	LIPI CHOUDHARY		P	P	P
SI26	MIHEER MANGESH DEOLALIKAR		P	AB	AB
SI27	MOHIT RAMDAS KODWATE		P	P	P
SI28	MRINMAYEE MILIND JOSHI		P	AB	P
SI29	OM VIJAY RANDHIRE		P	P	P
SI30	OMKAR VINAYAK SONMALE		P	P	P
SI31	PANKAJ RAJU SONKE		P	P	P
SI32	PARTH PRAMOD VIRDHE		P	P	P
SI33	PIYUSH ANAND BALLAL		P	AB	P



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2021-22 Semester - II

ATTENDANCE RECORD OF SLOW-ADVANCED LEARNERS

Class: S.E.

Subject: Computer Graphics

Roll No.	Name of the Student	Lect No	1	2	3
		Date	05-05-2022 (2.5 Hours)	06-05-2022 (2.5 Hours)	07-05-2022 (2.5 Hours)
SI34	PRADNYA MAHADEO KONDUBHAIRI		P	P	P
SI35	PRAJ RAVINDRA BHAGAT		P	AB	P
SI36	PRAJAKTA RATANDAS VAISHNAV		AB	AB	AB
SI37	PRANAV PRADIP BHOGLA		P	AB	AB
SI38	PRANIT PRADIP ZOD		P	P	P
SI39	PRASAD DNYANDEV HULMUKHE		P	P	P
SI40	PRATIK PREMCHAND NARKHEDE		P	P	P
SI41	PRERANA RAJESH GAJARE		P	P	P
SI42	PRITISH SUGAN RAJPUROHIT		P	P	P
SI43	PRIYA VIJAY PHADTARE		P	P	P
SI44	PRIYANSHU RAKESH GUPTA		P	P	P
SI45	RISHABH SHRINIVAS MOHARIR		P	P	P
SI46	RUTUJA DINKAR MORE		P	P	P
SI47	SAILEE RITESH CHOUDHARI		P	AB	P
SI48	SAIRAJ BABASAHEB SHIROLE		P	P	P
SI49	SAKSHI ARVIND CHAUDHARI		P	P	P
SI50	SAKSHI DNYANOBA WAGHMARE		P	AB	P
SI51	SANIKA ANIL AMRUTKAR		AB	AB	AB
SI53	SHREYAS VISHAL LATHAKAR		P	P	P
SI54	SHUBHAM DEEPAK MASANG		P	P	P
SI55	SIDDHARTH HIRAO		P	P	P
SI56	SIDHARTH MANOJ KUMTHEKAR		P	P	P
SI57	SOUMYA VENKATESH BETHI		P	P	P
SI58	SURABHI SHRISHAILA SHAHAPURE		P	AB	P
SI59	TEJAS ANANDKUMAR BAHETI		P	P	P
SI60	TEJAS PRAFULLA KOLI		P	P	P
SI61	TEJAS SANJAY SHINDE		P	P	P
SI62	TINA KAILASH VERMA		P	P	P
SI63	TOSHAL DHANRAJ CHAUDHARI		P	P	P
SI64	VAIBHAV AJIT DESHMUKH		P	P	P
SI65	VAIBHAV VIJAY DEVKATE		P	P	P
SI66	VANDANA MAHESH PUNJABI		P	P	P
SI67	VISHAL AJIT HIVARALE		P	P	AB



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF INFORMATION TECHNOLOGY
Academic Year : 2021-22 Semester - II

ATTENDANCE RECORD OF SLOW-ADVANCED LEARNERS

Class: S.E.

Subject: Computer Graphics

Roll No.	Name of the Student	Lect No	1	2	3
		Date	05-05-2022 (2.5 Hours)	06-05-2022 (2.5 Hours)	07-05-2022 (2.5 Hours)
SI68	POORVADITYA BEHRE		AB	AB	AB
SI69	ANAND VYANKATESH JOSHI		P	P	P
SI70	DATTA DILIP ZARIKAR		P	P	P
SI71	MANSI GANESH MENGDE		P	AB	P
SI72	MANSI MAHESH BADNAPURKAR		P	P	P
SI73	MANSI RATAN PAWAR		P	P	P
SI74	OM SANJAY MAIND		P	P	P
SI75	PRAJWAL RAJU TULAWA		P	P	P
SI76	PRAJUKTA PRADEEP KULKARNI		P	P	P
SI77	SAMEER BHIMRAJ KAPSE		P	P	P
SI78	UTKARSHA PRAKASH KARALE		P	P	P
Signature of Faculty			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
Signature of Academic Co-Ordinator			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
Signature of Head of Department			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

Proof of slow-advanced learner activity

ANIMATION

Presentation by : Utkarsha Karale (SI-78)
Siddharth Kumthekar (SI56)

Guided By : Prof. Sarang Saoji

ANIMATION



- Computer animation refers to the time sequence of visual changes.
- The animation is a key concept in entertainment, education, simulation, games, scientific and engineering studies, etc.
- Today, the scope of animation is not only limited to changing the position of an object with time, but the concept is extended to various transformation operations like scaling, rotation, variations in colour, transparency, surface property, shape, etc.
- Animation refers to the movement on the screen of the display device created by displaying a sequence of still images.
- Animation is the technique of designing, drawing, making layouts and preparation of photographic series which are integrated into the multimedia and gaming products.

• Animation includes all the visual changes on the screen of display devices. These are:

1) Change of shape



Fig Change in shape

2) Change in size



Fig Change in size

3) Change in color



Fig Change in color

4) Change in structure



Fig Change in structure

5) Change in angle



Fig Change in angle

Different Types of Animation

Traditional Animation

2D Animation
(Vector-based)

3D Animation

Motion Graphics

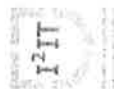
Stop Motion

Traditional Animation:

- It is one of the oldest method of animation.
- Traditional Animation can also be referred to as cell animation.
- This type of animation requires the animator to draw every single frame by hand to create an animated scene.
- This is usually done on a light table that allows the artists to see the previous drawing through the top layer of paper.
- Well-known companies like Disney are known for using this type of animation.

2D Animation:

- 2D animation may be classified under traditional animation like most early Disney.
- In case of Vector-based animation motion is controlled by vectors rather than pixels.
- Image with file formats like JPEG, GIF, BMP, are pixel images. These images cannot be enlarged or shrunk without affecting the image quality.
- While using Vector graphics we need not bother about resolution of image.
- Vectors are characterized by pathways with various start and end points, lines connecting these points to build the graphic.
- Shapes can be created to form a character.
- It makes use of mathematical calculations to resize the images, hence the movement is smooth.



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF ENGINEERING SCIENCES (FIRST YEAR ENGG.)

Academic Year : 2021-22, Semester - I

SLOW AND ADVANCED LEARNER IDENTIFICATION

Course Code : 103004		Class : FE						
Course Name: Basic Electrical Engineering		Name of Faculty: Ravindra P. Joshi						
Roll No.	Name of Student	Class Test I (Out of 30)	50% Weightage	Overall % of Marks in Previous Exam (out of 100)	25% Weightage	Class Observation (on the Scale of 1-10)	25% Weightage	Total % Weightage (out of 100)
FC01	RUHI ARGHODE	22	37	86.83	22	10	25	83
FC02	HRISHIKESH AUTI	26	43	76.5	19	7	18	80
FC03	SMRUTI AWATE	25	42	74.67	19	8	20	80
FC04	VAIBHAV BADHE	21	35	87.83	22	10	25	82
FC05	KHUSHI BAFANA	18	30	91	23	9	23	75
FC06	ROHIT BAGDE	22	37	86	22	10	25	83
FC07	MANDIRA BAGLE	18	30	80	20	10	25	75
FC08	YASH BANKAR	22	37	90	23	9	23	82
FC09	ANIKET BASWADE	24	40	94.83	24	10	25	89
FC10	SAMRUDDHI BHADANE	27	45	58.92	15	10	25	85
FC11	HARSH BHARDWAJ	15	25	87.33	22	7	18	64
FC12	GOURI BHOYAR	26	43	92	23	10	25	91
FC13	SAKSHI BIDE	23	38	96.17	24	10	25	87
FC14	ADITYA BIRADAR	22	37	85	21	7	18	75
FC15	TEJAS CHAKOTE	19	32	88.83	22	8	20	74
FC16	NISCHAL CHAUDHARI	22	37	84.83	21	9	23	80
FC17	SOHAM CHAVAN	24	40	82.33	21	9	23	83
FC18	SAYYAM CHORDIYA	25	42	67.33	17	7	18	76
FC19	ATISH DESAI	28	47	82.8	21	8	20	87
FC20	SHUBHAM DHAGALE	21	35	82.62	21	10	25	81
FC21	SIDDHANT DHONGDE	17	28	60.62	15	10	25	68

FC22	ISHANT GADHAVE	27	45	82.8	21	8	20	86
FC23	DARSHAN GAHIWAD	21	35	90	23	10	25	83
FC24	MANGESH GAIKWAD	22	37	74.77	19	10	25	80
FC25	RAGHAV GOSAVI	25	42	91	23	7	18	82
FC26	PARAG GUNDAL	29	48	92.5	23	6	15	86
FC27	PRATIK HALKUNDE	22	37	77.5	19	10	25	81
FC28	ADITI JATAL	26	43	66.33	17	9	23	82
FC29	SOHAM JOSHI	19	32	92.4	23	8	20	75
FC30	RUTIKA KAKDE	19	32	84	21	10	25	78
FC31	SUYASH KARNAD	28	47	73.5	18	10	25	90
FC32	TANMAY KENDRE	21	35	57.38	14	10	25	74
FC33	GANESH KESARKAR	26	43	80	20	10	25	88
FC34	RHUTUJA KHANDARE	27	45	81.2	20	6	15	80
FC35	ATHARVA KHARE	27	45	95.33	24	9	23	91
FC36	AASHAY KHER	22	37	97	24	9	23	83
FC37	SANIKA LONKAR	29	48	78.33	20	10	25	93
FC38	MANAS MAINDE	25	42	91.33	23	10	25	89
FC39	RIYA MANANI	27	45	76.2	19	9	23	87
FC40	RITESH MANDAVGAD	22	37	95	24	8	20	80
FC41	DANISH MANE	18	30	88.33	22	6	15	67
FC42	JHANVI OZA	17	28	80	20	10	25	73
FC43	HARSHIT PANDE	21	35	74	19	10	25	79
FC44	HARSHADA PANSARE	25	42	79.33	20	10	25	86
FC45	MANDAR PATIL	26	43	88.67	22	10	25	91
FC46	FALGUN PATIL	24	40	83	21	9	23	83
FC47	DISHANT PATIL	26	43	95.5	24	10	25	92
FC48	SHRUSHTI PAWAR	21	35	92.67	23	9	23	81
FC49	ATHARVA PAWAR	26	43	91.83	23	7	18	84
FC50	DEWANSH PILLARE	27	45	93.17	23	10	25	93
FC51	PALLAVNI RASAL	23	38	82.67	21	10	25	84
FC52	ASHWINI RASAL	22	37	83.67	21	10	25	83
FC53	ANIKET RATHOD	23	38	70	18	5	13	68
FC54	PRITI SANGAME	17	28	76	19	6	15	62

FC55	SWAPNIL SATPUTE	21	35	75.67	19	8	20	74
FC56	VISHAKHA SHINDE	25	42	83.17	21	4	10	72
FC57	SWAPNIL SHINDE	18	30	83.67	21	10	25	76
FC58	YUVRAJ SINGH	25	42	91.83	23	7	18	82
FC59	HARSH SONGIRE	22	37	77.17	19	7	18	73
FC60	ISHITA SRIVASTAVA	22	37	92.67	23	7	18	77
FC61	ARYA TANDALE	29	48	91.67	23	10	25	96
FC62	PRATIK TARFE	20	33	87	22	7	18	73
FC63	PRATHMESH TARKE	22	37	86.67	22	10	25	83
FC64	ROHIT TAYADE	22	37	91.67	23	7	18	77
FC65	GAURAV THAKARE	26	43	82.5	21	7	18	81
FC66	KANYA	19	32	87.5	22	10	25	79
FC67	AKASH WAGHMARE	25	42	69.5	17	10	25	84
FC68	AADITI WAYSE	22	37	66.8	17	9	23	76
FC69	VIDHI ZAWAR	28	47	84.83	21	9	23	90

Note: There were no slow learners as all students scored more than 40% marks


Signature of Faculty

Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF ENGINEERING SCIENCES (FIRST YEAR ENGG.)
Academic Year : 2021-22 Semester : I

LIST OF ADVANCED LEARNERS

Class: F.E.

Subject: Basic Electrical Engineering

Roll No.	Name of the Student	Total % Weightage Based on Parameter (out of 100)
FC01	RUHI ARGHODE	83
FC02	HRISHIKESH AUTI	80
FC03	SMRUTI AWATE	80
FC04	VAIBHAV BADHE	82
FC05	KHUSHI BAFANA	75
FC06	ROHIT BAGDE	83
FC07	MANDIRA BAGLE	75
FC08	YASHI BANKAR	82
FC09	ANIKET BASWADE	89
FC10	SAMRUDDHI BHADANE	85
FC12	GOURI BHOYAR	91
FC13	SAKSHI BIDE	87
FC14	ADITYA BIRADAR	75
FC16	NISCHAL CHAUDHARI	80
FC17	SOHAM CHAVAN	83
FC18	SAYYAM CHORDIYA	76
FC19	ATISH DESAI	87
FC20	SHUBHAM DHAGALE	81
FC22	ISHANT GADHAVE	86
FC23	DARSHAN GAHIWAD	83
FC24	MANGESH GAIKWAD	80
FC25	RAGHAV GOSAVI	82
FC26	PARAG GUNDAL	86
FC27	PRATIK HALKUNDE	81
FC28	ADITI JATAL	82
FC29	SOHAM JOSHI	75
FC30	RUTIKA KAKDE	78
FC31	SUYASH KARNAD	90
FC33	GANESH KESARKAR	88
FC34	RHUTUJA KHANDARE	80
FC35	ATHARVA KHARE	91
FC36	AASHIAY KHER	83
FC37	SANIKA LONKAR	93
FC38	MANAS MAINDE	89
FC39	RIYA MANANI	87
FC40	RITESH MANDAVGAD	80
FC43	HARSHIT PANDE	79
FC44	HARSHADA PANSARE	86
FC45	MANDAR PATIL	91
FC46	FALGUN PATIL	83
FC47	DISHANT PATIL	92
FC48	SHRUSHTI PAWAR	81
FC49	ATHARVA PAWAR	84
FC50	DEWANSI PILLARE	93
FC51	PALLAVI RASAL	84
FC52	ASHWINI RASAL	83
FC57	SWAPNIL SHINDE	76
FC58	YUVRAJ SINGH	82
FC60	ISHITA SRIVASTAVA	77
FC61	ARYA TANDALE	96
FC63	PRATHMESH TARKE	83
FC64	ROHIT TAYADE	77
FC65	GAURAV THAKARE	81
FC66	KANYA	79
FC67	AKASH WAGHMARE	84
FC68	AADITI WAYSE	76
FC69	VIDHI ZAWAR	90

Sign of Faculty:





Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF FIRST YEAR ENGINEERING
Academic Year: 2021-22, Semester - I

Class: FE

Day and Date: Monday, 07/03/2022

Course: Basic Electrical Engineering

Div: C

Assignment – 1 (Advanced Learners)

- 1) What is the difference between MMF, Reluctance and Permeance ? Explain with the help of equations.
(5 marks)
- 2) A conductor of length 100 cm and carrying 100A is situated in and at right angles to a uniform magnetic field produced by the pole core of an electric machine. If the pole core has a circular cross section of 120 mm diameter and the total flux in the core is 16 mWb, find,
 - a. The mechanical force on the conductor
 - b. Power required to move the conductor at a speed of 10 m/sec in a plane at right angle to the magnetic field.

(5 marks)

Prof. Ravindra Joshi
Subject Teacher

Topic: Assignment 1(A)

Q1. What is the difference between MMF, Reluctance & Permeance? Explain with the help of equations.

- **MMF:** It is a component or part of the equation of magnetic flux in magnetic circuits. As an analogy to electromotive force, MMF, "drives" magnetic flux through a magnetic circuit.

$$\text{mmf} = N \cdot I$$

N = number of conductors or turns

I = current in amperes.

- **Reluctance: (S)**

The property of a magnetic circuit of opposing the passage of magnetic flux lines, equal to the ratio of the magnetomotive force to the magnetic flux

$$R = \frac{F}{\phi}$$

R = Reluctance in ampere-turns per weber

F = magnetomotive force

ϕ = magnetic flux in webers.

- **Permeance: (P)**

which
A measure of the ease with which magnetic flux can be admitted through a material / magnetic circuit.

It is reciprocal of reluctance.

$$P = \frac{1}{S} = \frac{\phi}{NI} \text{ wb/AT}$$

Topic :

- 9) A conductor of length 100 cm & carrying 100A is situated in and at right angles to a uniform magnetic field produced by the pole core of an electric machine. If the pole core has a circular cross section of 120 mm diameter & the total flux in the core is 16 mWb, find.
 $B = ?$

- a) The mechanical force on the conductor.

$$F = BIL \sin \theta$$

$$B = 1.416 \text{ T} \longrightarrow B = \frac{\Phi}{A} = \frac{16 \times 10^{-3}}{\left(\frac{\pi d^2}{4}\right)} = 1.416 \text{ T.}$$

$$I = 100 \text{ A}$$

$$L = 100 \text{ cm} \longrightarrow 1 \text{ m}$$

$$\angle \theta = 90^\circ$$

$$F = BIL \sin \theta$$

$$= 1.416 \times 100 \times 1 \text{ m} \times \sin 90^\circ$$

$$F = 141.6 \text{ N.}$$

- b) Power required to move the conductor at a speed of 10 m/s in a plane at right angle to the magnetic field.

$$v \rightarrow 10 \text{ m/s.}$$

$$P = F \cdot v$$

$$= 141.6 \times 10$$

$$P = 1416 \text{ watt}$$



Hope Foundation's
International Institute of Information Technology, Pune
DEPARTMENT OF FIRST YEAR ENGINEERING
Academic Year: 2021-22, Semester - I

Class: FE
Day and Date: Monday, 31/03/2022
Course: Basic Electrical Engineering

Div: C

Assignment – 2 (Advanced Learners)

- 1) State the principal of electromagnetic induction with the help of neat diagram.
(4 marks)
- 2) An iron rod 1 cm diameter and 50 cm long is formed into a closed ring and uniformly wound with 400 turns of wire. A direct current of 0.5 A is passed through the winding and produces a flux density of 0.75 Wb/m^2 . If all the flux links with every turn of the winding. Calculate,
 - a. The relative permeability of iron
 - b. Inductance of the coil
 - c. Average value of the emf induced when the interruption of current causes the flux in the iron core to decay to 20% of its original value on 0.01 sec.

(6 marks)

Rishi

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Q. No.

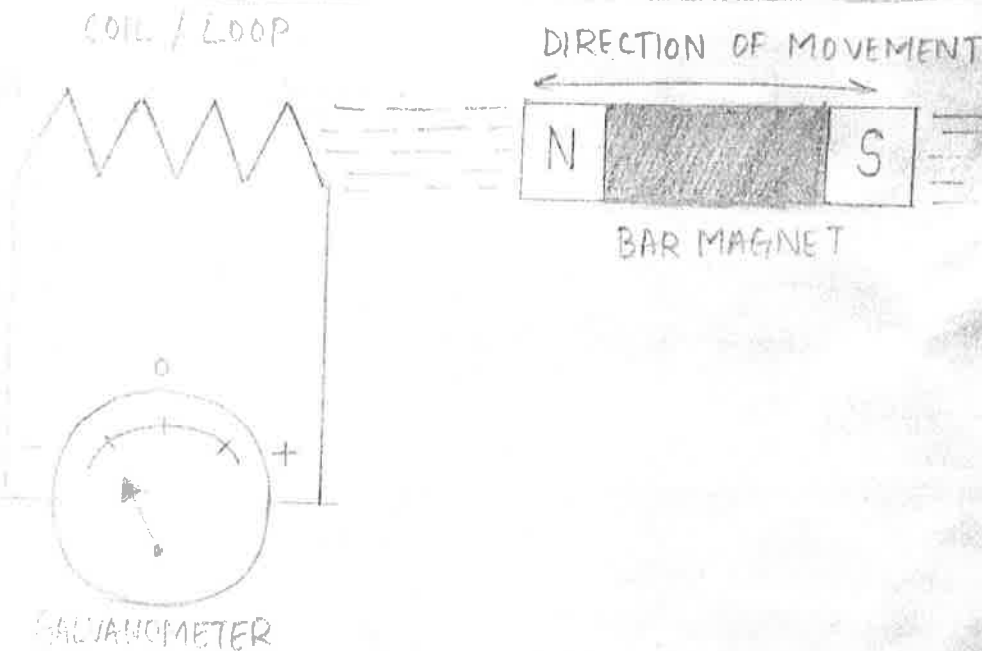
Q. No.

Assignment 1: Electromagnetism.

Q1. State the principle of electromagnetic induction with the help of a neat diagram.

Ans. Faraday's principle of electromagnetic induction states that the EMF induced in a loop due to a changing magnetic flux is equal to the rate of change of the magnetic flux threading the loop.

The magnetic flux threading a coil of wire can be changed by moving a bar magnet in and out of the coil.



Q2. An iron rod 1 cm diameter & 50 cm long is formed into a closed ring & uniformly wound with 400 turns of wire. A direct current of 0.5 A is passed thru the winding & produces a flux density of 0.75 Wb/m^2 . If all the flux links with every turn of the winding. Calculate:

a. The relative permeability of iron

$$\mu_r = B \Rightarrow \mu_r = B \quad \text{--- ①}$$

$$\mu_r = \frac{B}{\mu_0 H}$$

$$\mu_r = \frac{1.5 \times 10^{-2}}{4\pi \times 10^{-7} \times 400} \quad \text{--- ②}$$

$$\mu_r = 30 \times 10^{-2} \quad \text{--- ③}$$

$$\mu_r = 400$$

For substituting the above value in eqn ①,

$$\mu_r = 0.75 = 0.149 \times 10^{-4}$$

$$4\pi \times 10^{-7} \times 400 \Rightarrow \mu_r = 0.149 \times 10^{-4}$$

b. Inductance of coil

$$L = N \times \phi$$

$$I$$

$$\phi = 0.75 (\pi (0.01)^2)$$

$$\phi = 2.355 \times 10^{-4} \text{ Wb}$$

$$0.5$$

$$L = 400 \times 2.355 \times 10^{-4} \Rightarrow L = 0.1884 \text{ H}$$

c. Average value of the EMF induced when the interruption of current causes the flux in the iron core to decay to 20% of the original value in 0.01 sec.

$$EMF = \frac{(\phi_2 - \phi_1)}{t} \text{ N}$$

$$\text{here, } \phi_2 = 20 \times 2.355 \times 10^{-4}$$

$$100$$

$$= (4.71 \times 10^{-5}) - (2.355 \times 10^{-4})$$

$$\phi_2 = 4.71 \times 10^{-5} \text{ Wb}$$

$$0.01$$

$$\text{Hence, } EMF = -1.884 \times 10^{-4} \text{ V}$$

X