



GOA UNIVERSITY

Candidate List Report

RC 2019-2020

Programme : Bachelor of Engineering
College Name : Padre Conceicao College of Engineering
Branch : Mechanical
Exam Title : Semester VIII May 2025
Semester : VIII

1 of 7

Paper Code	Paper Name	Credits	Paper Heads
1	PR Number: 201908442 Seat Number : 81018 Name: AIDAN JERONTIUS RODRIGUES		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
2	PR Number: 202107212 Seat Number : 81019 Name: AKASH HARSHAD PANCHAL		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
3	PR Number: 202107232 Seat Number : 81020 Name: ALISTER REBELO		
1	MDS05 Analysing, Visualizing and Applying Data Science	4	Sessionals,Term Work,Theory
2	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
3	ME822 Automobile Engineering	3	Sessionals,Theory
4	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
5	ME840 Project Work- phase II	9	Oral,Term Work
4	PR Number: 202105757 Seat Number : 81021 Name: AMAN		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	PR Number: 202107230 Seat Number : 81022 Name: AMAN AVINASH SHETYE		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
6	PR Number: 202107231 Seat Number : 81023 Name: AMOGH VINAI KAMAT		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
7	PR Number: 202105730 Seat Number : 81024 Name: ANANT ALIAS DEVIKRAJ KENY		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory

Paper Code	Paper Name	Credits	Paper Heads
8	PR Number: 202107197 Seat Number : 81025 Name: ARMAN KUMAR		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
9	PR Number: 202107300 Seat Number : 81026 Name: ARON FRANCIS LUIS		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
10	PR Number: 202107301 Seat Number : 81027 Name: ARYAN SHASHIKANT NIMBALKAR		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
11	PR Number: 202208563 Seat Number : 81028 Name: BHASKAR MOHAN KUDCHODKAR		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
12	PR Number: 202105732 Seat Number : 81029 Name: BIDARAKUNDI VINAY KOTARABASAPPA		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
13	PR Number: 202107343 Seat Number : 81030 Name: CLAYDE SHALOM ESTROCIO		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
14	PR Number: 202107361 Seat Number : 81031 Name: CUBERT KAYON MENDONCA		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
15	PR Number: 202105704 Seat Number : 81032 Name: D'SOUZA LOURENCO		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
16	PR Number: 202105703 Seat Number : 81033 Name: DARRYL VALENTINE D'CRUZ		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work

Paper Code	Paper Name	Credits	Paper Heads
17	PR Number: 202107356 Seat Number : 81034 Name: ELTON GOMES		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	RAI-801 Special topics in Artificial Intelligence	4	Sessionals,Term Work,Theory
18	PR Number: 202107362 Seat Number : 81035 Name: GAURESH ANIL PAWASKAR		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
19	PR Number: 201702317 Seat Number : 81036 Name: GOKUL K.		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
20	PR Number: 202105783 Seat Number : 81037 Name: GOPESH VINOD NAIK		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
21	PR Number: 202208398 Seat Number : 81038 Name: HOSANNA SOLOMON JOHN		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
22	PR Number: 202107357 Seat Number : 81039 Name: ISAIAH JEDHAN GONSALVES		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
23	PR Number: 202208397 Seat Number : 81040 Name: JADHAV ABHISHEK RAJARAM		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
24	PR Number: 202107358 Seat Number : 81041 Name: JASON DYLAN FERNANDES		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory

Paper Code	Paper Name	Credits	Paper Heads
25	PR Number: 202107359 Seat Number : 81042 Name: JOASH JOSE FERNANDES		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
26	PR Number: 202107360 Seat Number : 81043 Name: JOEL EUSICO MONTEIRO		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	RAI-801 Special topics in Artificial Intelligence	4	Sessionals,Term Work,Theory
27	PR Number: 202107964 Seat Number : 81044 Name: JONAS GOPINATHAPANICKER P.		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
28	PR Number: 202107965 Seat Number : 81045 Name: JONAS SAM FERNANDES		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory
29	PR Number: 202008030 Seat Number : 81046 Name: JONATHAN CARMALINO RODRIGUES		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
30	PR Number: 202107966 Seat Number : 81047 Name: KEELAN JOHN BATISTA		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory
31	PR Number: 202107967 Seat Number : 81048 Name: KENDRIYA FERNANDES		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory
32	PR Number: 202107974 Seat Number : 81049 Name: KRISHEN DILIP NAIK		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory

Paper Code	Paper Name	Credits	Paper Heads
33	PR Number: 202208400 Seat Number : 81050 Name: KUNAL KRISHNANAND NAIK		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
34	PR Number: 202107211 Seat Number : 81051 Name: LEANDER DENZIL FERNANDES		
1	CEAM-05 CEAM-051 Applications of Artificial Intelligence	4	Sessionals,Term Work,Theory
2	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
3	ME822 Automobile Engineering	3	Sessionals,Theory
4	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
5	ME840 Project Work- phase II	9	Oral,Term Work
35	PR Number: 202107969 Seat Number : 81052 Name: MARLON JOSEPH BORGES		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
36	PR Number: 202107977 Seat Number : 81053 Name: MAURUSHKO BARRETO		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
37	PR Number: 202208401 Seat Number : 81054 Name: MELSH ANJIFF FERNANDES		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory
38	PR Number: 202107970 Seat Number : 81055 Name: MEOLSON FRAIN COUTINHO		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
39	PR Number: 202107975 Seat Number : 81056 Name: NAGESH SIDDHARTH PALANG		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory
40	PR Number: 202107971 Seat Number : 81057 Name: OM GANAPATI POWAR		
1	CEAM-05 CEAM-051 Applications of Artificial Intelligence	4	Sessionals,Term Work,Theory
2	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
3	ME822 Automobile Engineering	3	Sessionals,Theory
4	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
5	ME840 Project Work- phase II	9	Oral,Term Work

Paper Code	Paper Name	Credits	Paper Heads
41	PR Number: 202208402 Seat Number : 81058 Name: PAL NIRAJ RAGHUNATH		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
42	PR Number: 202105771 Seat Number : 81059 Name: PATYEKAR PRATHAMESH UMESH		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
43	PR Number: 202208403 Seat Number : 81060 Name: PRATHAMESH PUNDALIK PARAB		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
44	PR Number: 202008036 Seat Number : 81061 Name: RONIT DIGAMBER SHIRODKAR		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
45	PR Number: 202107973 Seat Number : 81062 Name: ROYSON NILSON PEREIRA		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory
46	PR Number: 202107266 Seat Number : 81063 Name: RYAN MIRANDA		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory
47	PR Number: 202208404 Seat Number : 81064 Name: SAHIL KAMANI MANMODE		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory
48	PR Number: 202105724 Seat Number : 81065 Name: SAMUEL PROSUEL PEREIRA		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
49	PR Number: 202107265 Seat Number : 81066 Name: SARVESH KANKONKAR		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work

Paper Code	Paper Name	Credits	Paper Heads
50	PR Number: 202107267 Seat Number : 81067 Name: SHAUN DOMINIC VAZ		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory
51	PR Number: 202107268 Seat Number : 81068 Name: SHAUNAK KRISHNA PAGUI		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory
52	PR Number: 202107270 Seat Number : 81069 Name: VESLEY XAVIER DOURADO		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME822 Automobile Engineering	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MEE 810 Advancement in IC Engines and Basics of Electric Vehicles	4	Oral,Sessionals,Theory
53	PR Number: 202208333 Seat Number : 81070 Name: Xavier Bosco Rodrigues		
1	ME810 Industrial Engineering and Operations Management	3	Sessionals,Theory
2	ME821 Energy Conservation and Management	3	Sessionals,Theory
3	ME830 Elective - NPTEL/MOOC/SWAYAM	3	Oral,Term Work
4	ME840 Project Work- phase II	9	Oral,Term Work
5	MES810 Robotics and Artificial Intelligence	4	Practical,Sessionals,Theory