

Dr.M.G.R. Educational and Research Institute (Deemed to be University)
Department of Computer Science and Engineering
(Regulation- 2022)

Program Structure: Master of Science (DS&AI)							
I SEMESTER							
S.N O	SUBJECT CODE	SUBJECT NAME	Ty/L b/ ETL	L	T	P	C
1.	HMMA22001	Mathematical Foundation For Data Science	Ty	3	1/0	0/0	4
2.	HMCC22001	Research Methodology	Ty	3	0/0	0/0	3
3	HMDS22001	Machine Learning Algorithms	Ty	3	1/0	0/0	4
4.	HMDS22EXX	Elective –I	Ty	3	0/0	0/0	3
5.	HMDS22002	Foundation of Artificial Intelligence	Ty	3	0/0	0/0	3
PRACTICALS*							
1	HMDS22L01	Machine Learning Algorithms Lab	Lb	0	0/0	3/0	2
2	HMDS22L02	Artificial Intelligence and Neural Networks Lab	Lb	0	0/0	3/0	2
3	HMAC22IXX	Audit Course	Ty	2	0/0	0/0	0

Credits Sub Total: 21

II SEMESTER							
S.N O	SUBJECT CODE	SUBJECT NAME	Ty/L b/ ETL	L	T	P	C
1.	HMDS22003	Deep Learning Techniques	Ty	3	1/0	0/0	4
2.	HMDS22004	Fuzzy Logic and its Applications	Ty	3	0/0	0/0	3
3.	HMDS22005	Data Analytics Tools	Ty	3	0/0	0/0	3
4.	HMDS22006	Computational Intelligence	Ty	3	0/0	0/0	3
5.	HMDS22EXX	Elective-II	Ty	3	0/0	0/0	3
PRACTICALS*							
1	HMDS22L03	Data Analytics Tools Lab	Lb	0	0/0	3/0	2
2	HMDS22L04	Deep Learning Techniques Lab	Lb	0	0/0	3/0	2
3	HMDS22I01	Summer Internship	IE	0/0	0/0	4/0	2

Credits Sub Total: 22

III SEMESTER							
S.No.	SUBJECT CODE	SUBJECT NAME	Ty/Lb/ET L	L	T/SLr	P/R	C
1	HMDS22007	Digital and Social Media Analytics	Ty	3	1/0	0/0	4
2	HMDS22008	Web Analytics	Ty	3	0/0	0/0	3
3	HMDS22009	Natural Language Processing	Ty	3	0/0	0/0	3
4	HMDS22010	Optimization Technique	Ty	3	0/0	0/0	3
5	HMDS22EXX	Elective-III	Ty	3	0/0	0/0	3
6	HMOL22IE1	Open Elective(Self Study Paper)- Swayam/ NPTEL/ Any Mooc	IE	3	0/0	0/0	3
PRACTICALS*							
1	HMDS22I02	Project Phase –I	IE	0	0/0	4/0	2

Credits Sub Total: 21

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IV SEMESTER							
S.NO	SUBJECT CODE	Title of the Subject	Ty/Lb/ETL	L	T/SLr	P/R	C
1.	HMDS22L05	Project Phase II	Lb	0	0/0	18/0	9
2.	HMDS22I03	Research Publication (Internal Evaluation)	IE	0	0/0	4/0	2
TOTAL			Subtotal				11

Credits Sub Total: 11

ELECTIVE-I							
S.No.	SUBJECT CODE	SUBJECT NAME	Ty/Lb/ETL	L	T/SLr	P/R	C
1	HMDS22E01	Principles Of Data Science	Ty	3	0/0	0/0	3
2	HMDS22E02	Knowledge Engineering and Expert Systems	Ty	3	0/0	0/0	3
3	HMDS22E03	Bio Informatics	Ty	3	0/0	0/0	3

ELECTIVE-II							
S.No.	SUBJECT CODE	SUBJECT NAME	Ty/Lb/ETL	L	T/SLr	P/R	C
1	HMDS22E04	Artificial Intelligence Ethics	Ty	3	0/0	0/0	3
2	HMDS22E05	Reinforcement learning	Ty	3	0/0	0/0	3
3	HMDS22E06	Data Visualization Techniques	Ty	3	0/0	0/0	3

ELECTIVE-III							
S.No.	SUBJECT CODE	SUBJECT NAME	Ty/Lb/ETL	L	T/SLr	P/R	C
1	HMDS22E07	Block Chain and Artificial Intelligence	Ty	3	0/0	0/0	3
2	HMDS22E08	Multimedia Analytics	Ty	3	0/0	0/0	3
3	HMDS22E09	Cloud Computing	Ty	3	0/0	0/0	3

C: Credits L:Lecture T:Tutorial P:Practical Ty/Lb: Theory /Lab IE: Internal Evaluation.

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LIST OF AUDIT COURSES OFFERED IN H&S

AUDIT COURSE							
Sl. No	Course Code	Course Name	Ty/Lb/ET L/IE	Teaching Scheme			
				L	T/SLr	P/R	C
1	HMAC22I01	English for Research paper writing	Ty	2	0/0	0/0	0
2	HMAC22I02	Disaster Management	Ty	2	0/0	0/0	0
3	HMAC22I03	Sanskrit for Technical Knowledge	Ty	2	0/0	0/0	0
4	HMAC22I04	Value Education	Ty	2	0/0	0/0	0
5	HMAC22I05	Constitution of India	Ty	2	0/0	0/0	0
6	HMAC22I06	Pedagogy Studies	Ty	2	0/0	0/0	0
7	HMAC22I07	Stress Management by Yoga	Ty	2	0/0	0/0	0
8	HMAC22I08	Personality Development through Life Enlightenment Skills	Ty	2	0/0	0/0	0
9	HMAC22I09	Life skill	Ty	2	0/0	0/0	0

Credit Summary

Semester 1 : 21
Semester 2 : 22
Semester 3 : 21
Semester 4 : 11

Total Credits:75