



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Department of CSE (Data Science)

6th Board of Studies Review meeting on 07.08.2023 at 11:00 AM

AGENDA

The 6th Board of Studies meeting for the Departments of CSE (Data Science) is convened on 07.08.2023 at 11:00 AM in hybrid (online/offline) mode.

The Agenda of the meeting is as follows.

1. Action Taken Report (ATR) on previous BoS Meeting in A.Y 2022-23 on 11.02.2023.
2. Discussion and Review of B.Tech. CSE(DS) course 3-1 and 3-2 Schema and Syllabus (MR21 Regulations).
3. Discussion and Review of B.Tech. CSE(DS)course 2-1 and 2-2 Schema and Syllabus (MR22 Regulations).
4. Approval for innovation business models and entrepreneurship and human values and professional ethics courses as open electives.
5. Approval for open electives courses for other department.
6. Approval of open Rubrics for theory subject, PPT and Poster presentation under MR22 regulations.
7. Approval of course structures for re-admitted students.
8. Approval of Minor degree courses for other department.
9. Approval of list of experts in paper setting and lab examiner.
10. Any other point with the permission of BoS Chairman.

Dr. S. Shiva Prasad
Chairman,

UG-B.Tech.-CSE (Data Science) - BOS

Head of the Department

Dept. of CSE (Data Science)

Malla Reddy Engineering College (Autonomous)

Secunderabad, Telangana, State - 500100



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhullapally(post via Kompally) Secunderabad-500100

Department of CSE (Data Science)

BOS – Attendance Sheet

Date:10/08/2023

The 6thUG-B.Tech. CSE (Data Science) Board of Studies Review meeting for the Academic Year 2022-23 was conducted on 07-08-2023 at 11:00 AM through Hybrid mode (online/offline). The following BOS Members have attended the BOS Meeting to finalize MR22 regulations CSE (Data Science) 2nd years III and IV Semester B.Tech. Course Structure, Syllabus, MR21 regulations CSE (Data Science) 3rd and 4th years B.Tech. Course Structure, Syllabus and other points of agenda:

S. No	Name of the Member	Designation & Official Address	Category	Signature
1	Dr. S.Shiva Prasad	Professor & Head of Department	Chairman	
2	Dr. K. Santhi Sree	Professor & HOD, IT, JNTUH, Hyderabad.	University Nominee	
3	Dr. B. Eswara Reddy	Director, Software Development Center, JNTUA.	Subject Expert (Outside the Parent University)	
4	Dr. V Ramireddy	Associate Professor, School of CS&AI, VIT, Andhra Pradesh.	Subject Expert (Outside the Parent University)	
5	Mr. Aravind Varanasi	Data Scientist, Tata Consultancy Services, Hyderabad.	Industry Expert	
6	Dr.MVS Prasad	Professor	Faculty Member	
7	Dr.V.Ramu	Assistant Professor	Faculty Member	
8	Mrs. M Roshini	Assistant Professor	Faculty Member	
9	Mr Syed Abdul Haq	Assistant Professor	Faculty Member	
10	Mrs. R Sravani	Assistant Professor	Faculty Member	
11	Ms. G. Sruthi	MTS II – IT Quality Assurance, Verizon data service Pvt Ltd, Gachibowli, Hyd.	Alumni	

Dr. S. Shiva Prasad
Chairman,

UG-B.Tech. CSE(Data Science) - BOS

Head of the Department

Dept. of CSE (Data Science)

Malla Reddy Engineering College (Autonomous)

Secunderabad, Telangana, State - 500100.

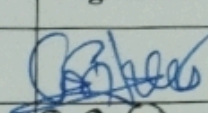
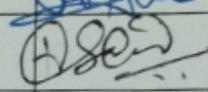
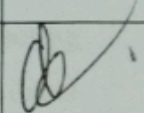
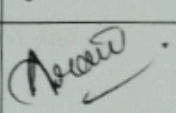
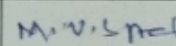
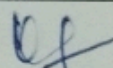
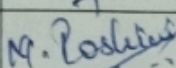
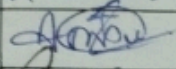
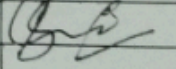

MALLA REDDY ENGINEERING COLLEGE
(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of CSE (Data Science)

Minutes of the 6th BoS Review meeting UG- B.Tech.-CSE(Data Science) held on
07.08.2023 at 11:00 AM

The 6th Board of Studies meeting for the **UG - B.Tech.- CSE(Data Science)** is conducted on 07th August, 2023 at 11:00AM in the Hybrid mode. The following members attended the BoS meeting to finalize MR22 regulations CSE (Data Science) 2ndyears III and IV Semester B.Tech. Course Structure, Syllabus, MR21 regulations CSE(Data Science) 3rd and 4th years B.Tech. Course Structure, Syllabus.

S. No	Name of the Member	Designation & Official Address	Category	Signature
1	Dr. S.Shiva Prasad	Professor & Head of Department	Chairman	
2	Dr. K. Santhi Sree	Professor & HOD, IT, JNTUH, Hyderabad.	University Nominee	
3	Dr. B. Eswara Reddy	Director, Software Development Center, JNTUA.	Subject Expert (Outside the Parent University)	
4	Dr. V.Ramireddy	Associate Professor, School of CS&AI, VIT, Andhra Pradesh.	Subject Expert (Outside the Parent University)	
5	Mr. Aravind Varanasi	Data Scientist, Tata Consultancy Services, Hyderabad.	Industry Expert	
6	Dr.MVS Prasad	Professor	Faculty Member	
7	Dr.V.Ramu	Assistant Professor	Faculty Member	
8	Dr.M.Roshini	Assistant Professor	Faculty Member	
9	Syed Abdul Haq	Assistant Professor	Faculty Member	
10	Mrs. R.Sravani	Assistant Professor	Faculty Member	
11	Ms. G. Sruthi	MTS II – IT Quality Assurance, Verizon data service Pvt Ltd, Gachibowli, Hyd.	Alumni	

The following is the agenda for the meeting.

1. Action Taken Report (ATR) on previous BoS Meeting in A.Y 2022-23 on 11.02.2023.
2. Discussion and Review of B.Tech. CSE course – 3-1 and 3-2 Schema and Syllabus (MR21 Regulations).
3. Discussion and Review of B.Tech. CSE course – 2-1 and 2-2 Schema and Syllabus (MR22 Regulations).
4. Approval for innovation business models and entrepreneurship and human values and professional ethics courses as open electives.
5. Approval for open electives courses for other department.
6. Approval of open Rubrics for theory subject, PPT and Poster presentation under MR22 regulations.
7. Approval of course structures for re-admitted students.
8. Approval of Minor degree courses for other department
9. Approval of list of experts in paper setting and lab examiner.
10. Any other point with the permission of BoS Chairman.

At the outset, Dr. **S.Shiva Prasad**, Professor&HOD and Chairman of the **UG - B.Tech.- CSE(Data Science)** Board of Studies, welcomed the members to the BoS meeting and informed the purpose of the meeting. Later BoS Members reviewed and discussed items in the agenda and finally the following items have been resolved unanimously by all the members of BoS to implement from the academic year 2022-23 onwards.

The following resolutions are approved after careful discussion and observations.

The BoS Members have thoroughly reviewed and approved the MR22 regulations CSE (Data Science) 2nd Year and 3rd and 4th Semester B.Tech. Course Structure, Syllabus, MR21 regulations and B.Tech. CSE (Data Science) course 3rd years and 4th year B.Tech course structure, Schema and Syllabus (MR22 Regulations) CSE (Data Science) Course as per the guide lines of the AICTE, UGC and JNTUH, Hyderabad.

Action Taken Report (ATR) on previous BoS Meeting (5th) in AY 2022-23. The previous Board of studies meeting (5th) in AY 2022-23 was held on dt: 11.02.2023.

The following are the resolutions made in the meeting and corresponding actions taken are as follows.

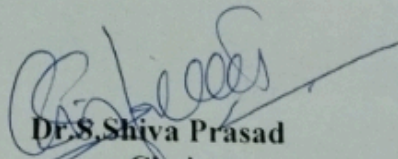
1. Rename Python for Data Science with Advanced Python Programming.
2. Rename Machine Learning for Data Science with Machine Learning Techniques
3. Rename Data Visualization with Data Visualization and Application.
4. BoS Members Suggested Meeting interchanged subjects Cryptography and Network Security and Block Chain Technologies.
5. Minor Degree Courses are approved by BoS members.
6. Open Elective courses for other departments and Self department are finalized and approved.
7. Readmitted course structures approved.
 - i) As of now No readmitted students
 - ii) If he detained in MR20 and readmitted in MR 21 he will study MR21 course structure
 - iii) If he detained in MR21 and readmitted in MR 22 he will study MR22 course structure
8. Minor degree courses for other department approved.

S. No	CourseCode	Course Title	L	T	P	Credits
1	C0510	Data Structures	3	-	-	3
2	C0516	Operating Systems	3	-	-	3
3	C0509	Computer Organization and Architecture	3	-	-	3
4	C6701	Data Preparation and Analysis	3			3
5	C0515	Database Management Systems	3			3
6	C0511	Object Oriented Programming through Java	3			3
7	C6705	Advanced Python Programming	3			3
8	C6714	Introduction to Data Science	3			3
9	C6715	Fundamentals of Machine Learning	3			3
10	C6716	Natural Language Processing	3			3

9. List of experts in paper setting and lab examiner approved.

10. Any other point with the permission of BoS Chairman.

Finally, **Dr. S.Shiva Prasad**, Chairman – BoS has expressed his sincere thanks to all the Members of the BoS for their active participation and contribution. The meeting concluded at 12:00 Noon.


Dr. S. Shiva Prasad
 Chairman,
 UG-B.Tech.-CSE (Data Science) - BOS

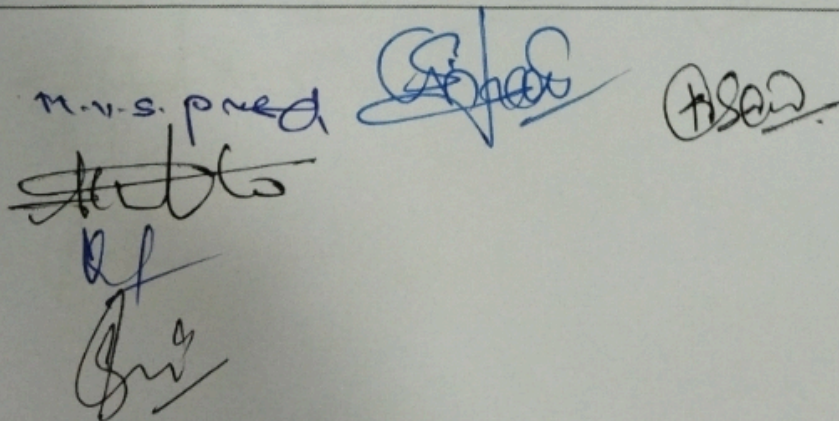
Head of the Department
 Dept. of CSE (Data Science)
 JNTU Radday Engineering College (Autonomous)
 Secunderabad, Telangana, State - 500006.

MALLA REDDY ENGINEERING COLLEGE

III & IV Year COURSE STRUCTURE – B.Tech. CSE (DATA SCIENCE)

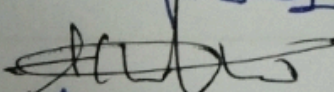
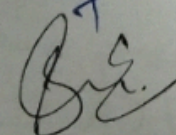
(MR21 Regulations)

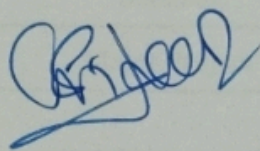
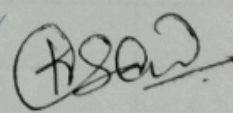
V Semester							
S.No	Category	Course Code	Name of the Course	L	T	P	Credits
1	HSMC	B0H09	Management Fundamentals	3	-	-	3
2	PCC	B0511	Operating Systems	3	-	-	3
3	PCC	B6705	Advanced Python Programming	3	1	-	3
4	PCC	B1202	Web Technologies	3	-	-	3
Professional Elective –II							
5	PEC-II	B6201	Computer Networks	3	-	-	3
		B0528	Applied Artificial Intelligence				
		B0534	Animation Techniques				
		B0526	Advanced Databases & Security				
		B6905	Computer Graphics				
Professional Elective –III							
6	PEC-III	B0533	Distributed Systems	3	-	-	3
		B0531	Digital Logic Design				
		B0548	Software Testing Methodologies				
		B6706	R Programming				
		B0524	Formal Language And Automata Theory				
7	PCC	B067	Advanced Python Programming Lab	-	-	3	1
8	PCC	B0514	Operating Systems Lab	-	-	3	2
9	MC	B00M3	Quantitative Aptitude and Verbal Reasoning-1	2	-	-	-
Total				20	6	6	21
Total Contact Hours :26							



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VI Semester							
S.No	Category	Course Code	Course Title	L	T	P	Credits
1	HSMC	B0H08	Engineering Economics and Accountancy	3	-	-	3
2	PCC	B6610	Computer Vision	3	-	-	3
3	PCC	B0547	Data Mining	3	-	-	3
Professional Elective –IV							
4	PEC-IV	B6713	Introduction to Digital Image Processing	3	-	-	3
		B6708	Data Analysis using Python				
		B0531	Scripting Languages				
		B1212	Information Retrieval System				
		B0537	Natural Language Processing				
Professional Elective –V							
5	PEC-V	B0527	Cloud Computing	3	-	-	3
		B0517	Mobile Application Development				
		B6709	Multivariate Techniques for Data Analytics				
		B6917	Internet of Things				
		B0538	Cryptography and Network Security				
6	HSMC	B0H03	English Communication and Presentation Skills Lab	-	-	2	1
7	PCC	B6611	Computer Vision Lab	-	-	3	1
8	PCC	B0544	Data Mining Lab	-	-	3	2
9	MC	B00M4	Quantitative Aptitude and Verbal Reasoning-II	2	-	-	-
Total				17	1	8	19
Total Contact Hours :25							

M. V. S. Prasad

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VII Semester							
S.No	Category	Course Code	Course Title	L	T	P	Credits
1	PCC	B6710	Machine Learning Techniques	3	-	-	3
2	PCC	B0550	Big Data Analytics	3	-	-	3
3	PCC	B6711	Data Visualization and Application	3	-	-	3
Professional Elective-VI							
4	PEC-VI	B6614	Pattern Recognition	3	-	-	3
		B1202	Artificial Neural Networks				
		B0555	Semantic web				
		B0545	Block Chain Technologies				
		B0535	Compiler Design				
5	OEC-I		Open Elective-I	3	-	-	3
6	PCC	B6712	Machine Learning Techniques Lab	-	-	4	2
7	PCC	B0559	Big Data Analytics Lab	-	-	4	2
8	MC	B00P1	Internship / Mini Project		-	4	2
Total				18		12	21
Total Contact Hours :30							

VIII Semester							
S.No	Category	Course Code	Course Title	L	T	P	Credits
1	OEC-II		Open Elective-II	3			3
2	OEC-III		Open Elective-II	3	-	-	3
3	PRJ	B00P3	Seminar	-	-	2	1
4	PRJ	B00P2	Major Project	-	-	24	12
Total				-	-	26	19
Total Contact Hours :26							

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MALLA REDDY ENGINEERING COLLEGE
2-1 and 2-2 COURSE STRUCTURE – B.Tech. CSE (DATA SCIENCE)
(MR22 Regulations)

III SEMESTER				
SL.NO	CATEGORY	SUBJECT CODE	SUBJECT NAME	Credits
1	PCC	C0508	Digital Logical Design	3
2	PCC	C0510	Data Structures	3
3	BSC	C0B22	Statistics for Data Science	4
4	PCC	C0509	Computer Organization and Architecture	3
5	PCC	C0511	Object Oriented Programming through Java	3
6	PCC	C0512	Data Structures Lab	1.5
7	PCC	C0513	Object Oriented Programming through Java Lab	1.5
8	MC	C00M1	Gender Sensitization	0
9	PCC	C0514	Skill Development Course (Data visualization- R Programming)	1
Total Credits				20
IV SEMESTER				
SL.NO	CATEGORY	SUBJECT CODE	SUBJECT NAME	Credits
1	HSMC	C0H08	Business Economics & Financial Analysis	3
2	PCC	C0507	Discrete Mathematics	3
3	PCC	C0516	Operating Systems	3
4	PCC	C0515	Database Management Systems	3
5	PCC	C6701	Data Preparation and Analysis	3
6	PCC	C0520	Operating Systems Lab	1
7	PCC	C0519	Database Management Systems Lab	1
8	PCC	C6702	Real-time Research Project/ Societal Related Project	2
9	MC	C00M2	Environmental Science	0
10	PCC	C0522	Skill Development Course (Node JS/ React JS/Django)	1
Total Credits				20

MALLA REDDY ENGINEERING COLLEGE
MINOR Degree Course Structure MR22 Regulations

S. No	Category	Course Code	Course Title	L	T	P	Credits
1		C0510	Data Structures	3	-	-	3
2		C0516	Operating Systems	3	-	-	3
3		C0509	Computer Organization and Architecture	3	-	-	3
4		C6701	Data Preparation and Analysis	3			3
5		C0515	Database Management Systems	3			3
6		C0511	Object Oriented Programming through Java	3			3
7		C6708	Advanced Python Programming	3			3
8		C6714	Introduction to Data Science	3			3
9		C6715	Fundamentals of Machine Learning	3			3
10		C6716	Natural Language Processing	3			3

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