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SCHOOL OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref. No: PU/SOCE/MTECH/ATR/BOS-16/2022-23 Date: 11th Jul 2023

COMPUTER SCIENCE AND ENGINEERING(DATA SCIENCE) [DS]

Action taken Report on Curriculum Feedback- 16th Bos

Feedback from Students and action taken report

Sl. No.	Feedback	Action Taken
1	More value-added courses should be introduced which can help for placements.	Already in place and shall include 6 value-added courses for next academic year.
2	Certification programs in align with industry may be conducted.	Students are encouraged to participate in special training programs.
3	More Lab oriented subjects to be introduced.	Shall be considered. 3 New course addition or course revision will happen in concern with BOS.

Based on the feedback received from stakeholders, related courses (Annexure 1) were revised. Few new courses (Annexure 2) were also included based on the feedback received from stake holders.

Annexure – 1

List of Courses in which Content Revision is undertaken for the Academic Year 2022-23 (MTECH(DS)Program)

S. No.	*COURSE*	*Course Code*	*Credits*
1	Programming in Data Science	CSE5008	3
2	Machine Learning Algorithms	CSE5007	3

Annexure – 2

List of New Courses included for the Academic Year 2022-23 (MTECH (DS) Program)

S. No.	*COURSE*	*Course Code*	*Credits*
1	Data Analytics and Visualization	CSE5009	3
2	Deep Learning	CSE6001	3

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3	Big Data Analytics Tools and Techniques	CSE6003	3
4	Data Science with Cloud Computing	CSE5011	3
5	Data Security and Access Control	CSE5015	3
6	Soft Computing Techniques	CSE5013	3
7	Natural Language Processing Techniques	CSE6002	3

Feedback/suggestions from Faculty and action taken report

Sl. No.	Feedback	Action Taken
1	More practical oriented subjected to be introduced.	The Department shall offer courses in the suggested fields. Lab oriented courses will be added for next AY.
2	Training on new software technologies to be provided to students.	Suggestion will be considered. Plan to organize such training programs.

Based on the feedback received from stakeholders, related courses (Annexure 1) were revised. Few new courses (Annexure 2) were also included based on the feedback received from stake holders

Annexure – 1

List of Courses in which Content Revision is undertaken for the Academic Year 2020-21 (MTECH (DS) Program)

S. No.	*COURSE*	*Course Code*	*Credits*
1	Programming in Data Science	CSE5008	3
2	Machine Learning Algorithms	CSE5007	3

Annexure – 2

List of New Courses included for the Academic Year 2021-22 (MTECH(DS) Program)

S. No.	*COURSE*	*Course Code*	*Credits*
1	Data Analytics and Visualization	CSE5009	3
2	Deep Learning	CSE6001	3
3	Big Data Analytics Tools and Techniques	CSE6003	3
4	Data Science with Cloud Computing	CSE5011	3
5	Data Security and Access Control	CSE5015	3

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6	Soft Computing Techniques	CSE5013	3
7	Natural Language Processing Techniques	CSE6002	3

Feedback/suggestions from Employer and action taken report

Sl. No.	Feedback	Action Taken
1	More practical oriented subjected to be introduced.	The Department shall offer 6 courses in the suggested fields. 2 Lab oriented courses will be added for next AY.
2	Training on new software technologies to be provided to students.	Suggestion will be considered. Plan to organize such training programs.

Based on the feedback received from stakeholders, related courses (Annexure 1) were revised. Few new courses (Annexure 2) were also included based on the feedback received from stake holders

Annexure – 1

List of Courses in which Content Revision is undertaken for the Academic Year 2020-21 (MTECH (DS) Program)

S. No.	*COURSE*	*Course Code*	*Credits*
1	Programming in Data Science	CSE5008	3
2	Machine Learning Algorithms	CSE5007	3

Annexure – 2

List of New Courses included for the Academic Year 2021-22 (MTECH (DS) Program)

S. No.	*COURSE*	*Course Code*	*Credits*
1	Data Analytics and Visualization	CSE5009	3
2	Deep Learning	CSE6001	3
3	Big Data Analytics Tools and Techniques	CSE6003	3
4	Data Science with Cloud Computing	CSE5011	3
5	Data Security and Access Control	CSE5015	3
6	Soft Computing Techniques	CSE5013	3
7	Natural Language Processing Techniques	CSE6002	3

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Feedback from Alumni and action taken report

Sl. No.	Feed back	Action Taken
1	Placements to be improved.	Presidency University-Placement cell is trying to improve campus recruitments.
2	More importance can be given on software training or knowledge.	Students are given opportunities to participate in training programs.
3	Industry expert talks can be organized so as to know what is actually needed in the market.	Will be considered and will plan to conduct such technical talks.

Based on the feedback received from stakeholders, related courses (Annexure 1) were revised. Few new courses (Annexure 2) were also included based on the feedback received from stake holders.

Annexure – 1

List of Courses in which Content Revision is undertaken for the Academic Year 2020-21 (MTECH (DS) Program)

S. No.	*COURSE*	*Course Code*	*Credits*
1	Programming in Data Science	CSE5008	3
2	Machine Learning Algorithms	CSE5007	3

Annexure – 2

List of New Courses included for the Academic Year 2021-22 (MTECH DS Program)

S. No.	*COURSE*	*Course Code*	*Credits*
1	Data Analytics and Visualization	CSE5009	3
2	Deep Learning	CSE6001	3
3	Big Data Analytics Tools and Techniques	CSE6003	3
4	Data Science with Cloud Computing	CSE5011	3
5	Data Security and Access Control	CSE5015	3
6	Soft Computing Techniques	CSE5013	3
7	Natural Language Processing Techniques	CSE6002	3

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COMPUTER SCIENCE AND ENGINEERING (Artificial Intelligence) [AI]

Ref. No: PU/SOCE/MTECH/ATR/BOS-16/2022-23 Date: 11th Jul 2023

Action taken Report on Curriculum Feedback- 16th Bos

Feedback from Students and action taken report

Sl. No.	Feedback	Action Taken
1	More value-added courses should be introduced which can help for placements.	Already in place and shall include 9 value-added courses for next academic year.
2	Certification programs in align with industry may be conducted.	Students are encouraged to participate in special training programs.
3	More Lab oriented subjects to be introduced.	Shall be considered. 9 New course addition or course revision will happen in concern with BOS.

Based on the feedback received from stakeholders, related courses (Annexure 1) were revised. Few new courses (Annexure 2) were also included based on the feedback received from stake holders.

Annexure – 1

List of Courses in which Content Revision is undertaken for the Academic Year 2022-23 (MTECH(AI)Program)

S. No.	*COURSE*	*Course Code*	*Credits*
1	Deep Learning	CSE6001	3
2	Natural Language Processing Techniques	CSE6002	3
3	Data Analytics and Visualization	CSE5009	3

Annexure – 2

List of New Courses included for the Academic Year 2022-23 (MTECH (AI) Program)

S. No.	*COURSE*	*Course Code*	*Credits*
1	Artificial Intelligence	CSE5005	3
2	Knowledge Engineering and Expert Systems	CSE5006	3
3	Machine Learning Algorithms	CSE5007	3
4	Robotic Process Automation	CSE5010	3
5	Machine Vision	CSE5010	3
6	AI in Cloud Computing	CSE5012	3

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7	Soft Computing Techniques	CSE5013	3
8	Ontology Engineering for the Semantic Web	CSE5014	3
9	Big Data Analytics Tools And Techniques	CSE6003	3
10	Time Series Analysis and Forecasting	CSE6004	3
11	Intelligent Information Retrieval	CSE6005	3
12	AI in Internet of Things	CSE6006	3
13	Application of Probability theory in Computer Science	CSE6001	3
14	NoSQL Databases	CSE5017	3
15	Recommender Systems with Machine Learning and AI	CSE6012	3

Feedback/suggestions from Faculty and action taken report

Sl. No.	Feedback	Action Taken
1	More practical oriented subjected to be introduced.	The Department shall offer courses in the suggested fields. Lab oriented courses will be added for next AY.
2	Training on new software technologies to be provided to students.	Suggestion will be considered. Plan to organize such training programs.

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Annexure – 1

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S. No.	*COURSE*	*Course Code*	*Credits*
1	Deep Learning	CSE6001	3
2	Natural Language Processing Techniques	CSE6002	3
3	Data Analytics and Visualization	CSE5009	3

Annexure – 2

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S. No.	*COURSE*	*Course Code*	*Credits*
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2	Knowledge Engineering and Expert Systems	CSE5006	3
3	Machine Learning Algorithms	CSE5007	3
4	Robotic Process Automation	CSE5010	3
5	Machine Vision	CSE5010	3
6	AI in Cloud Computing	CSE5012	3
7	Soft Computing Techniques	CSE5013	3
8	Ontology Engineering for the Semantic Web	CSE5014	3
9	Big Data Analytics Tools And Techniques	CSE6003	3
10	Time Series Analysis and Forecasting	CSE6004	3
11	Intelligent Information Retrieval	CSE6005	3
12	AI in Internet of Things	CSE6006	3
13	Application of Probability theory in Computer Science	CSE6001	3
14	NoSQL Databases	CSE5017	3
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2	Natural Language Processing Techniques	CSE6002	3
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Annexure – 2

List of New Courses included for the Academic Year 2022-23 (MTECH AI Program)

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1	Artificial Intelligence	CSE5005	3
2	Knowledge Engineering and Expert Systems	CSE5006	3
3	Machine Learning Algorithms	CSE5007	3
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Assoc. Dean-CSE

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