



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 stakeholders.

Annexure – 1

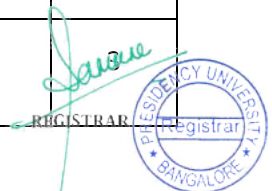
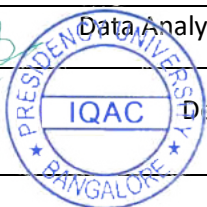
List of Courses in which Content Revision is undertaken for the Academic Year 2022-23 (MTECH(DS)Program)

| 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 | 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 stakeholders

Annexure – 1

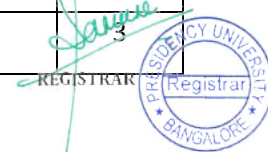
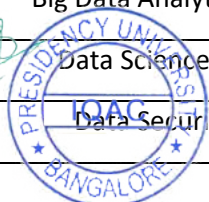
List of Courses in which Content Revision is undertaken for the Academic Year 2020-21 (MTECH (DS) Program)

| 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 |

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 stakeholders

Annexure – 1

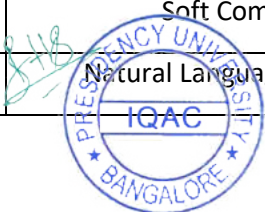
List of Courses in which Content Revision is undertaken for the Academic Year 2020-21 (MTECH (DS) Program)

| 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 |



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 stakeholders.

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 |



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 stakeholders.

Annexure – 1

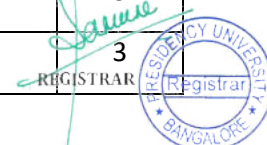
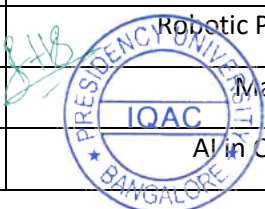
List of Courses in which Content Revision is undertaken for the Academic Year 2022-23 (MTECH(AI)Program)

| 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 |



| | | | |
|----|---|---------|---|
| 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. |

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 stakeholders

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 |
| 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 Employer and action taken report

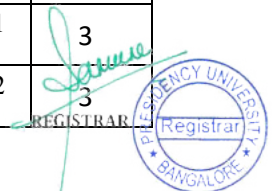
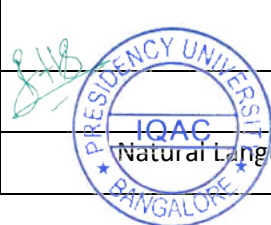
| Sl. No. | Feedback | Action Taken |
|---------|---|--|
| 1 | More practical oriented subjected to be introduced. | The Department shall offer courses in the suggested fields. Lab oriented courses will be added for next AY. |
| 2 | Training on new software technologies to be provided to students. | 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 stakeholders

Annexure – 1

List of Courses in which Content Revision is undertaken for the Academic Year 2020-21 (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 |
|---|----------------------------------|---------|---|

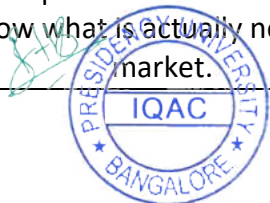
Annexure – 2

List of New Courses included for the Academic Year 2021-22 (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 |
| 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 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 stakeholders.

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 |
| 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 |

