The AMMI program curriculum for the academic year 2019/20 is outlined below:

1. Introduction to Machine Learning
2. Mathematics for Machine learning
3. Python Programming for Machine Learning
4. Version Control and Git
5. Data structures and algorithms
6. Optimization for Machine Learning
7. Advanced Topics in Machine Learning - Generative Models
8. Foundations of Machine Learning
9. Probabilistic Graphical Models
10. Advanced Topics in Machine Learning– Convolutional Neural Networks
11. Foundations of Deep Learning
12. Natural Language Processing (NLP)
13. Advanced Topics in   Machine Learning – Learning Theory
14. Reinforcement Learning 11. Advanced topics in Machine Learning
15. Computer Vision
16. Kernel Methods for Machine Learning
17. Deep Natural Language Processing (NLP)
18. Geometric Methods for Machine Learning
19. AI and Computational Biology
20. Speech Recognition
21. Social and Ethical aspects of Machine Learning
22. Research Project