**Project list – Applied Computer Science project**

1. Monitoring moving objects using sound ([georgios.marentakis@hiof.no](mailto:georgios.marentakis@hiof.no))
2. Bodily responses to sound ([georgios.marentakis@hiof.no](mailto:georgios.marentakis@hiof.no))
3. Enabling autonomous control of a scaled vehicle ([jens.p.langstrand@hiof.no](mailto:jens.p.langstrand@hiof.no))
4. Vehicle state observer using Machine Learning ([jens.p.langstrand@hiof.no](mailto:jens.p.langstrand@hiof.no))
5. Cognitive accessibility of university websites in Norway ([juan.c.torrado@hiof.no](mailto:juan.c.torrado@hiof.no))
6. Mastodon as the alternative to Twitter - Opportunities and challenges ([juan.c.torrado@hiof.no](mailto:juan.c.torrado@hiof.no))
7. Accessibility and gaming in the interaction design process ([juan.c.torrado@hiof.no](mailto:juan.c.torrado@hiof.no)) assigned to Magnus Klerck and Morgan Waage
8. Digital aids for people with autism spectrum disorders doing higher education ([juan.c.torrado@hiof.no](mailto:juan.c.torrado@hiof.no)) assigned to Fathima Jubina
9. “The chosen family” – mobile application of community building for lonely LGBTQ+ individuals ([juan.c.torrado@hiof.no](mailto:juan.c.torrado@hiof.no)) assigned to Mahta Moezzi and Mehrnaz Dehghani)
10. Designing Healthcare Information Systems: Empowering patients' involvement in their care through cooperative digital solutions ([klaudia.carcani@hiof.no](mailto:klaudia.carcani@hiof.no))
11. Reconceptualising IT project management lifecycle for the public sector based ([klaudia.carcani@hiof.no](mailto:klaudia.carcani@hiof.no))
12. Shaping AI for civilian preparedness and resilience in times of crisis and conflicts: a participatory design approach ([klaudia.carcani@hiof.no](mailto:klaudia.carcani@hiof.no))
13. Building digital literacy for future AI societies ([klaudia.carcani@hiof.no](mailto:klaudia.carcani@hiof.no))
14. Algorithm for Energy Management on an Electric vehicle ([maben.rabi@hiof.no](mailto:maben.rabi@hiof.no))
15. Platooning small mobile robots in indoor track ([maben.rabi@hiof.no](mailto:maben.rabi@hiof.no)) assigned to Martin Arthur Andersen and Benjamin Daniel Peattie
16. Evolutionary methods for Automated machine learning (AutoML) ([marius.geitle@hiof.no](mailto:marius.geitle@hiof.no)) assigned to Kristoffer Pinås
17. Literature review of state of the art within single-objective optimization for difficult optimization landscapes ([marius.geitle@hiof.no](mailto:marius.geitle@hiof.no))
18. Develop a benchmark to evaluate ensembling methods for decision trees ([marius.geitle@hiof.no](mailto:marius.geitle@hiof.no))
19. Physics-informed neural networks for network flows ([marius.geitle@hiof.no](mailto:marius.geitle@hiof.no))
20. A Multivocal Literature Review of Threat Landscape and Attack Surface for Social Robots ([mary.sanchez-gordon@hiof.no](mailto:mary.sanchez-gordon@hiof.no)) assigned to Divya Verma and Kim Kristoffer Pal
21. A Multivocal Literature Review of Compliance Analytics ([mary.sanchez-gordon@hiof.no](mailto:mary.sanchez-gordon@hiof.no)) assigned to Ahmed Raza Mir and Muhammad Usman
22. A Multivocal Literature Review of Compliance as Code ([mary.sanchez-gordon@hiof.no](mailto:mary.sanchez-gordon@hiof.no)) assigned to Pritam Das and Boishakhi Ghosh Mukta
23. What low-code and no-code tools are available? DevOps market ([mary.sanchez-gordon@hiof.no](mailto:mary.sanchez-gordon@hiof.no)) assigned to Zohaib Ali and Mohammad Waqas
24. Is Kind Computing an appealing approach for software developers? A survey ([mary.sanchez-gordon@hiof.no](mailto:mary.sanchez-gordon@hiof.no))
25. Re-enforcing Research on Applying Machine Learning for Mechanical Production ([oystein.haugen@hiof.no](mailto:oystein.haugen@hiof.no))
26. Smart Instruments and Smart Monitoring of Chemical Production at Unger Fabrikker ([oystein.haugen@hiof.no](mailto:oystein.haugen@hiof.no))
27. Verification tool for UML models of reactive systems ([oystein.haugen@hiof.no](mailto:oystein.haugen@hiof.no))
28. Deep Learning for Automated Threat Detection for Airport X-ray Baggage Screening ([kazi.s.ripon@hiof.no](mailto:kazi.s.ripon@hiof.no)) assigned to Sowgandh Nallanichakravartula
29. Financial Time Series Forecasting with A Hybrid Bio-Inspired ([kazi.s.ripon@hiof.no](mailto:kazi.s.ripon@hiof.no))
30. Detecting Fake News in Social Media using Bio-Inspired Algorithms and Deep Learning ([kazi.s.ripon@hiof.no](mailto:kazi.s.ripon@hiof.no))
31. Comparison of Machine Learning Algorithms for Early Prediction of Diabetes ([kazi.s.ripon@hiof.no](mailto:kazi.s.ripon@hiof.no))
32. Multi-objective Evolutionary Algorithms for the Electric Vehicle Charging Stand Infrastructure Problem ([kazi.s.ripon@hiof.no](mailto:kazi.s.ripon@hiof.no))
33. Writer identification problem on an Indic script ([sukalpa.chanda@hiof.no](mailto:sukalpa.chanda@hiof.no))
34. Detect text bounding boxes in a document image page ([sukalpa.chanda@hiof.no](mailto:sukalpa.chanda@hiof.no)) assigned to Simon Myhre
35. Recognition of Actions/Activity in Videos with Zero-Shot Learning ([sukalpa.chanda@hiof.no](mailto:sukalpa.chanda@hiof.no))
36. Deep neural network architecture for object detection in a scene image ([sukalpa.chanda@hiof.no](mailto:sukalpa.chanda@hiof.no))
37. Generating synthetic face images based on a specific text description ([sukalpa.chanda@hiof.no](mailto:sukalpa.chanda@hiof.no))
38. Development of innovative features for content sharing and crowd engagement in an existing App-based platform for culture and tourism ([vikash.katta@hiof.no](mailto:vikash.katta@hiof.no))
39. Development of a prototype web-based tool for modelling application of patterns for system development support ([andre.a.hauge@hiof.no](mailto:andre.a.hauge@hiof.no))
40. Designing Intelligent Energy Management Systems in Smart Homes ([thi.t.dinh@hiof.no](mailto:thi.t.dinh@hiof.no))
41. Evaluation of Machine Learning Models for Parameter Prediction in Wireless Sensor Networks ([thi.t.dinh@hiof.no](mailto:thi.t.dinh@hiof.no)) assigned to Paresh Santosh Mhatre
42. Artificial Intelligence Enabled Indoor Air Quality Prediction ([thi.t.dinh@hiof.no](mailto:thi.t.dinh@hiof.no)) assigned to Md Mohaiminul Islam Emon and Ashay Singh
43. Lifetime Prediction for Wireless Sensor Networks ([thi.t.dinh@hiof.no](mailto:thi.t.dinh@hiof.no))
44. Evaluation on Lifetime of Wireless-Powered Communication Networks ([thi.t.dinh@hiof.no](mailto:thi.t.dinh@hiof.no))
45. Towards Artificial General Intelligence with Neural Cellular Automata ([stefano.nichele@hiof.no](mailto:stefano.nichele@hiof.no)) assigned to Sanyam Jain and Aarati Shrestha

Yellow: confirmed

Blue: tentatively allocated