

List of Nano-Projects for AI

April 4, 2014

These projects shall be in the form of small reports, describing how you will solve (i.e., solution approach), what/which methods, algorithms, techniques of representation you will use? The aim is to write the things out of your brain- and not from the web or book. Also, to discuss what benefits will be gained by the end user, and what are the potential applications? Can they make the life easier - by using AI existing in these projects/models when they are implemented?

You are to present the report, comprising the objective the project, motivation, implementation details, diagrams, algorithms, and finally conclusions. Each nano-project shall be 4-5 pages, edited in sections names given below making use of Latex/Lyx only !! In case latex is not learned so far, it can be edited in the aip-roll.tex file (uploaded at my webpage), using ordinary text editor. Various sections of the project report shall be as follows:

1. Title of Project
2. Objective,
3. Motivation,
4. Theory,
5. Design (formal representation & Algorithm)
6. Block diagram,
7. Applications
8. Conclusion and Future Improvements,
9. Bibliography.

Projects:

1. AI for Education
2. AI for Helping Disable
3. AI for helping Dumb and Deaf
4. AI for helping in Agriculture

5. AI for rural education
6. AI for Mass Education
7. AI for Mass Training
8. AI for Health
9. AI for Telemedicine
10. AI for Healthcare
11. AI for Surgical Science
12. AI for Elders
13. AI for Business
14. AI for Production
15. AI for Procurement of material
16. AI for Store and stock maintenance
17. AI for online store
18. AI for mobile interface for uneducated
19. AI for Sports
20. AI for Training Athletes
21. AI for organizing Athletics meet
22. AI for Medical Expert System
23. AI for medical Diagnosis
24. AI for Trouble shooring car
25. AI for troubleshooting two wheelers
26. AI for House Security
27. AI for automated car navigation
28. AI for Natural language Interface to computers
29. AI for Language Translation
30. AI for Speech to Natual Language Traslation
31. AI for Language to Speech Translation
32. AI for Software testing

33. AI for online testing of hardware
34. AI for online testing of Software
35. AI for enhancing Hardware Reliability
36. AI for enhancing of software Reliability
37. AI for Military applications
38. AI for War-time applications
39. AI for scheduling flights
40. AI for scheduling trains
41. AI for CPU job scheduling
42. AI for Floor-shop scheduling
43. AI for Child-care
44. AI for Space Exploration
45. AI for Mars Mission
46. AI for keeping space station operational
47. AI for Automated Industrial Control
48. AI for Electricity Generation
49. AI for Transporting of Electricity
50. AI for Optimum Deisgn of Road network
51. AI for Optimum Design of water-pipeline network
52. AI for Routing of packets in Internet
53. AI for Playing Chess
54. AI for Plaiyng Tic-Tac-Toi
55. AI for Playing Sudoku
56. AI for Home entertainment
57. AI for Classroom time table management
58. AI for Hostel Mess-management
59. AI for Solar Energy panel Conrol
60. AI for Energy consumption optimization

61. AI for Intelligent Grid

Note:

- a. There shall be a separate Project for each Student
- b. The selected project shall be communicated by email to me, with SUB:
Rollno-projname in next two days.
- c. The skeleton of the latex template follows shortly.
- d. The size of the nano-project shall be not more than 4-5 pages.
- e. It shall be submitted before last working day, stapled in A4 pages.