

IF184981 Special Topic

Midterm Exam

Starting date: 7 March 2020
Deadline: 14 March 2020, 23:59 WIB. **Penalty: 0.15% of grade/minute of tardiness.**
Exam type: Open
Send to: MM Irfan Subakti <yifana@gmail.com>
CC to M. Ryanda Nugraha M.
<muhammadryandanm@gmail.com> with the subject:
IF184981_SP_MID_StudentID_Name
File type and format: A full report of the solution & analysis in PDF format
Filename format: IF184981_SP_MID_StudentID_Name.PDF

Instruction

Please do these steps as in the following.

1. From the two presentation files about PSO (Particle Swarm Optimisation) which have been discussed on Friday (6 March 2020), where the files can be downloaded from https://subakti.com/?page_id=1872 > Presentation Files > Lecture #8, please implement PSO in a computer program with any computer programming you have been mastering at (e.g., Java, C, C++, etc.).
2. You may use the objection function and constraints were given in the presentation file as the case study. However, you are free to use any equal or more complex case studies for your assignment.
3. Once you have picked a case study, please give your best for the following features.
 - Problem's background [5%],
 - Problem's motivation [5%],
 - Idea [5%],
 - Solving methods [30%],
 - Evaluation and analysis [50%],
 - Conclusion [5%].

4. To avoid plagiarism/cheating, every student needs to pledge and declare, then she/he must submit her/his **signed pledge and declaration** as in the following. Failed to do so will be resulted in getting 0 (zero) grade. Attach the **scanned/photo** of your *declaration* in your report.

“By the name of Allah (God) Almighty, herewith I pledge and truly declare that I have solved midterm exam by myself, didn’t do any cheating by any means, didn’t do any plagiarism, and didn’t accept anybody’s help by any means. I am going to accept all of the consequences by any means if it has proven that I have been done any cheating and/or plagiarism.”

[Place, e.g., Surabaya], [date, e.g., 14 March 2020]

<Signed>

[Full name, e.g., Sriwati Saptarini]
[StudentID, e.g., 05111840000xxx]

5. Please write down your assignment with a word processing program in the form of good report and professional. Along with the declaration above (e.g., Declaration.PDF), save as your full report in the PDF format, with the filename format IF184981_SP_MID_StudentID_Name.PDF. Send to: MM Irfan Subakti <yifana@gmail.com> CC to M. Ryanda Nugraha M. <muhammadryandanm@gmail.com> by 14 March 2020, 23:59. Please don’t be late, because there’s a penalty: 0.15% of grade/minute of tardiness.
6. Have a lovely day, guys! Good luck! 😊