

IF184981 Special Topic

Quiz 2

Starting date: 20 March 2020
Deadline: 27 March 2020, 23:59 WIB. **Penalty: 0.15% of grade/minute of tardiness.**
Exam type: Open, Teamwork (max 3 students/team)
Send to: MM Irfan Subakti <yifana@gmail.com>
CC to M. Ryanda Nugraha M.
<muhammadryandanm@gmail.com> with the subject:
IF184981_SP_Q2_Names
File type and format: A full report of the solution & analysis in PDF format
Filename format: IF184981_SP_Q2_Names.PDF

Instruction

Please do these steps as in the following.

1. Make a team/group. A group may consist of up to 3 students.
2. From subakti.com > 2019/2020(2) – IF184981 Special Topic (Stochastic Algorithms) > Lecture #11 > Ant Colony Optimisation, please implement the Ant Colony Optimisation (ACO) in a computer program with any computer programming you have been mastering at (e.g., Java, C, C++, etc.).
3. You may use the objection function and constraints were given in the book as the case study. However, you are free to use any equal or more complex case studies for your assignment.
4. 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%].
5. 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 quiz 2 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., 27 March 2020]

<Signed>

[Full name, e.g.,
Lestari Kusumawati]
[StudentID, e.g.,
05111940000xxx]

<Signed>

[Full name, e.g., Aryo
Kusumo]
[StudentID, e.g.,
05111940000xxx]

<Signed>

[Full name, e.g.,
Pandanwangi]
[StudentID, e.g.,
05111940000xxx]

Also to maintain fairness for your awarded grades, state clearly in your declaration, the percentage of works and the contribution(s) for each member in your group, e.g., Lestari 33.33% [state Lestari contribution(s) here], Aryo 33.33% [state Aryo’s contribution(s)], and [Pandanwangi 33.33% [state Pandanwangi’s contribution(s) here].

- 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_Q2_Names.PDF. Send to: MM Irfan Subakti <yifana@gmail.com> CC to M. Ryanda Nugraha M. <muhammadyandanm@gmail.com> by 27 March 2020, 23:59. Please don’t be late, because there’s a penalty: 0.15% of grade/minute of tardiness.
- Have a great day, guys! Good luck! 😊