Project Log Sheet – Supervisory Session

Note on use of the project log sheet:

1. This log sheet is designed for all formal meetings, of which there must be at minimum SEVEN (7) during the course of the project (SEVEN mandatory supervisory sessions).
2. The student should prepare for the supervisory sessions by deciding which question(s) he or she needs to ask the supervisor and what progress has been made (if any) since the last session, and noting these in the relevant section of the form, effectively forming an agenda for the session.
3. A log sheet is to be brought by the STUDENT to each supervisory session.
4. The actions by the student (and, perhaps the supervisor), which should be carried out before the next session should be noted briefly in the relevant section of the form.
5. It is recommended that students bring along log sheets of previous meetings during each supervisory session.
6. The log sheet is NOT a deliverable for the project but it is an important record of a student's organization and learning experience. The students will be asked to hand in the log sheets as an appendix of the final report, with sheets dated and numbered consecutively. This is an important part of evidence on how you managed your project during the semester.

Student's Name: Davinder Kaur   **Date: 1st Aug, 2017**   **Meeting No:1**

Project title: Lower back pain Symptoms: Data analysis and research project   **UNIT:** IFN701

☐ Journal entry logged into Blackboard (Optional)

Supervisor's Name: Dr. Guido Zuccon   **Supervisor's Signature:** *Guido Zuccon*

Update on progress since last meeting, and challenges faced if any (noted by student <u>before</u> mandatory supervisory meeting):

1.

2.

3.

Items for discussion (noted by student <u>before</u> mandatory supervisory meeting):

1. project explanation

2. keys steps of data analysis

3. which dataset using for data analysis

Action List (to be attempted or completed by student by the <u>next</u> mandatory supervisory meeting):

1. Load data from Kaggle site

2. Get familiar with dataset

3. create a repository on git hub

Note. A student should make an appointment to meet the supervisor in advance, usually at least 1 week prior.

Project Log Sheet – Supervisory Session

Note on use of the project log sheet:

7. This log sheet is designed for all formal meetings, of which there must be at minimum SEVEN (7) during the course of the project (SEVEN mandatory supervisory sessions).
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Student's Name: Davinder Kaur   **Date:** 25th Aug, 2017   **Meeting No: 2**

Project title: Lower back pain Symptoms: Data analysis and research project   **UNIT:** IFN701

☐ Journal entry logged into Blackboard (Optional)

Supervisor's Name: Dr. Guido Zuccon   **Supervisor's Signature:** Guido Zuccon

Update on progress since last meeting, and challenges faced if any (noted by student <u>before</u> mandatory supervisory meeting):

1. Literature review

2. Data exploration of data set

Items for discussion (noted by student <u>before</u> mandatory supervisory meeting):

1. show everything to that what I have done so far (Am I going in right direction)

2. discuss research questions

3. Dr. Guido arranged a lab on Level 10

Action List (to be attempted or completed by student by the <u>next</u> mandatory supervisory meeting):

1. change the correlation by class (normal/ abnormal)

Note. A student should make an appointment to meet the supervisor in advance, usually at least 1 week prior.

Project Log Sheet

Project Log Sheet – Supervisory Session

Note on use of the project log sheet:

13. This log sheet is designed for all formal meetings, of which there must be at minimum SEVEN (7) during the course of the project (SEVEN mandatory supervisory sessions).
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Student's Name: Davinder Kaur   **Date: 23** th Sep. 2017   **Meeting No: 4**

Project title: Lower back pain Symptoms: Data analysis and research project   **UNIT:** IFN701

☐ Journal entry logged into Blackboard (Optional)

Supervisor's Name: Dr. Guido Zuccon   **Supervisor's Signature:** *Guido Zuccon*

Update on progress since last meeting, and challenges faced if any (noted by student <u>before</u> mandatory supervisory meeting):

1. F measure, Precision and recall

Items for discussion (noted by student <u>before</u> mandatory supervisory meeting):

1. show everything to that what I have done so far (Am I going in right direction)

2. what other prediction models I should try

Action List (to be attempted or completed by student by the <u>next</u> mandatory supervisory meeting):

1. prediction model (Naïve Bayes)

2. Explain the insights gained by Naïve Bayes

Note. A student should make an appointment to meet the supervisor in advance, usually at least 1 week prior.

Project Log Sheet

Project Log Sheet – Supervisory Session

Note on use of the project log sheet:

19. This log sheet is designed for all formal meetings, of which there must be at minimum SEVEN (7) during the course of the project (SEVEN mandatory supervisory sessions).
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Student's Name: Davinder Kaur   **Date: 23** th Sep. 2017   **Meeting No: 4**

Project title: Lower back pain Symptoms: Data analysis and research project   UNIT: IFN701

☐ Journal entry logged into Blackboard (Optional)

Supervisor's Name: Dr. Guido Zuccon   **Supervisor's Signature:** ...*Guido Zuccon*...

Update on progress since last meeting, and challenges faced if any (noted by student <u>before</u> mandatory supervisory meeting):

1. Naïve Bayes (prediction model)

2. warnings suppressed given by SVM (Support Vector Machine)

Items for discussion (noted by student <u>before</u> mandatory supervisory meeting):

1. show everything to that what I have done so far (Am I going in right direction)

2. accuracy, performance, confusion matrix of Naïve Bayes

3. cross validation performance measure

Action List (to be attempted or completed by student by the <u>next</u> mandatory supervisory meeting):

1. Try Random forest prediction model

2. Comparison the prediction models

Note. A student should make an appointment to meet the supervisor in advance, usually at least 1 week prior.

Project Log Sheet

Project Log Sheet – Supervisory Session

Note on use of the project log sheet:

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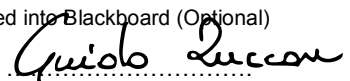

Student's Name: Davinder Kaur   **Date: 10th Oct. 2017**   **Meeting No: 5**

Project title: Lower back pain Symptoms: Data analysis and research project   **UNIT:** IFN701

Supervisor's Name: Dr. Guido Zuccon

☐ Journal entry logged into Blackboard (Optional)

Supervisor's Signature: .....*Guido Zuccon*.....

Update on progress since last meeting, and challenges faced if any (noted by student <u>before</u> mandatory supervisory meeting):

1. Radom Forest (prediction model)

Items for discussion (noted by student <u>before</u> mandatory supervisory meeting):

1. shows everything to that what I have done so far (Am I going in right direction)

2. accuracy, performance, confusion matrix of Radom Forest

Action List (to be attempted or completed by student by the <u>next</u> mandatory supervisory meeting):

1. Try to explain everything as much as possible

2. Start working on presentation

*Note: As I mentioned in my project proposal the formal meetings will be after 15 days or as required. Therefore, I only did 5 formal meetings because most of the time we communicate by **Slack**.*