Bring ideas to life
VIA University College

# SPR/FPR A21

## Lesson 9

# Agenda

Updated Supervisor list

Project Description

- Risk
- Sources

PD -hand-in to Supervisors - TODAY

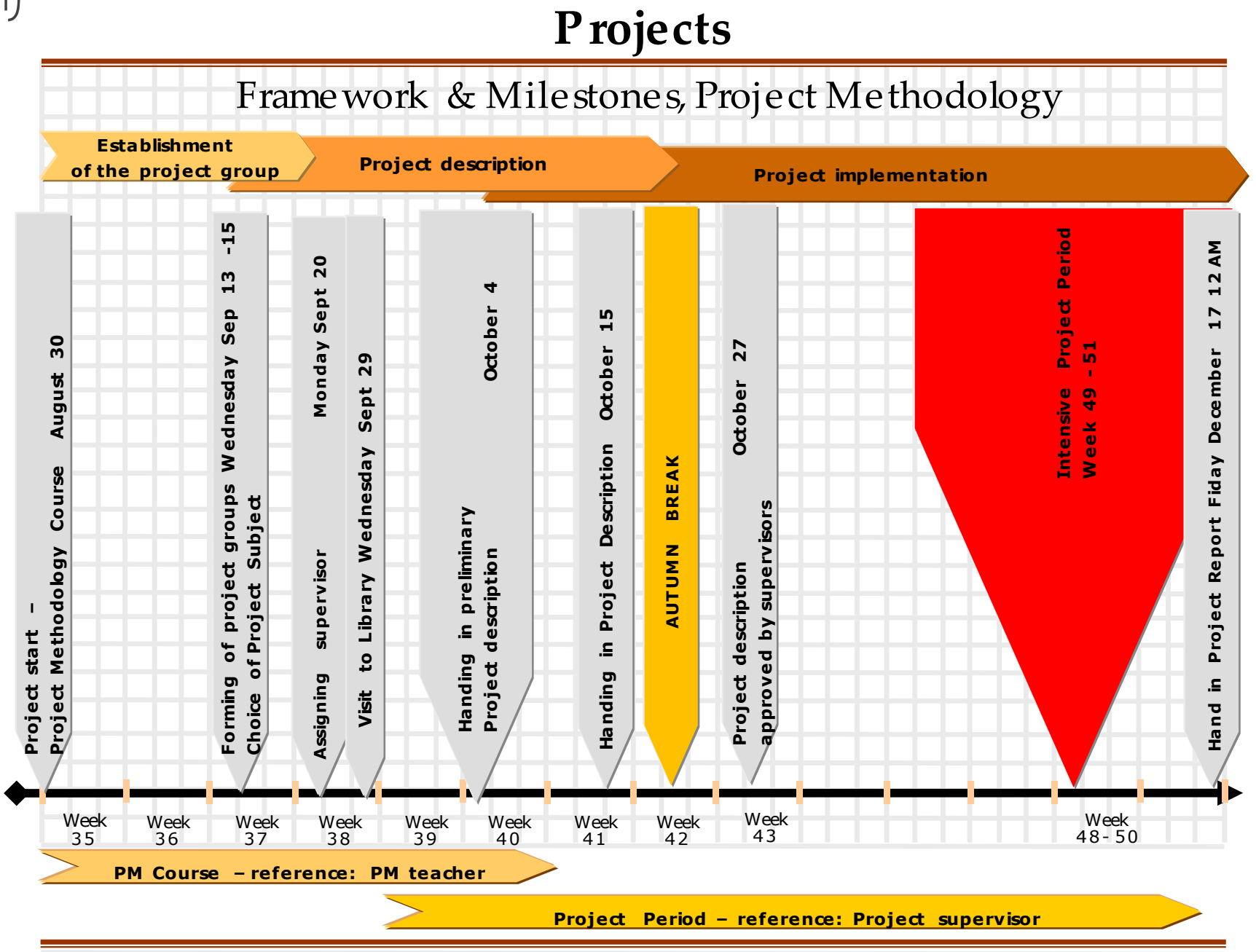
# See updated version on ItsLearning



SPR/FPR – A21 – Group/ Topic / Supervisor Overview Version 4-10-2021

| | PROJECT | FPR/SPR | Education | Supervisors |
|---|---|---|---|---|
| 1 | ENG-FPRPM-A21: Group 1- Student registration mobile app | FPR | 1 ICT + 2 GBE | POV<br>LEOS |
| | | | | |
| 2 | reverse vendig machines for plastic bottles | SPR | 4 GBE | LEOS |
| | | | | |
| 3 | Group Folder Group 3 Foldable Table | SPR | 3GBE/ 2 ME | LEOS/ LYC |
| | | | | |
| 4 | Sports app with training tool | SPR | 2 ICT/ 3 M | JOOK<br>LYC |
| | | | | |
| 5 | Group 5 - Business Calculator | SPR | 5 GBE | LEOS |
| | | | | |
| 6 | Group 6 - Making houses energy self sufficient | SPR | 3ME/2 GBE | LEOS/ SSD |
| | | | | |
| 7 | Sustainable e-bike Storage | SPR | 2GBE/3M | LEOS<br>SSD |
| | | | | |
| 8 | Group 8 – Smart Bins indoor system | | 2ICT/2GBE/1 MECH | ?/LEOS/PUH |
| | | | | |
| 9 | Group folder Letter of credit | SPR | 2GBE/3ICT | LEOS<br>JCA |
| | | | | |
| 10 | Smart household storage | SPR | 3M/2ICT | JOOK/<br>LYC |
| | | | | |
| 11 | Life Chamber | SPR | 2MA/2GBE/1 ICT | SSD/LEOS/JOO K |
| | | | | |
| 12 | Design and market a storage department for private households | FPR | 2GBE/1M | LYC/LEOS |
| | | | | |
| 13 | CO2- Neutral Heating System | SPR | 2M/2GBE/IC T | SSD/LEOS/JCA |
| | | | | |
| 14 | Sustainable heating system for Denmark housing | SPR | 4M/2GBE | LEOS /SSD |
| | | | | |
| 15 | Group 15 – The Dry Solution | FPR | 2M/2GBE | LYC<br>LEOS |
| | | | | |
| 16 | Group 16 – Make it possible to store things wherever you want – safe and simple | SPR | 5M | LEOS/LYC |
| | | | | |
| 17 | Certex Lifting Tools Big Data Project | SPR | 4M/2ICT | PUH/JOOK |

# Setting expectations (when) - Important **dates PM A21**



# Risks management

- Identifying risks
- Prioritising risks (severity and probability eventual constraints)
- Developing plans for risk avoiding (proactive plan)
- Developing solutions and “work arounds” (response plan)
- Following up and managing risks (indicators)

5 primary ways to manage your project risks
(Once prioritized) See: https://www.projectengineer.net/5-risk-response-strategies/

1. Avoidance.
2. Acceptance.
3. Monitor and Prepare.
4. Mitigation.
5. Transference.

# RISK ASESSMENT

Group assignment.

## Identifying risks for your project

1. What are the risks for <u>student projects</u> (Use experience & imagination)?
   - Prioritize your top project risks

2. What are the top 5 – 10 risks within your project?
   - Prioritize your top “Engineering” project risks

# Risk management matrix

Use & update the risk matrix at every future project meeting

1. Avoidance.
2. Acceptance.
3. Monitor and Prepare
4. Mitigation.
5. Transference.

| Risks | Description | Likelihood Scale: 1-5 5 = high risk | Severity Scale: 1-5 5 = high risk | Product of likelihood and severity | Risk mitigation e.g. Preventive- & Responsive actions | Identifiers | Responsible |
|---|---|---|---|---|---|---|---|
| Risk 1 | Lack of time before hand-in | 4 | 5 | 20 | Tight control of time schedule; corrective action – work weekends | Making excuses, blaming others | XXX |
| Risk 2 | | | | | | | |

Table 2 Ri

If Product is below 10 consider acceptance

If Product is above 20 split into lower level risks in order to reduce product

# 7. Sources, references and literature

- Search for theories and literature which can help you with different viewpoints – ”open your eyes – open your minds”
- Search for empirical studies – to give you an overwiev of other peoples work – on similar problems
- Make sure you don’t forget som aspects and viewpoints
- Document and validate your work, your proces and your results
- Out line in the Project Description which sources, references and literature you expect to use
- See uploaded material from the VIA library regarding references and sources (Leeson 8)

# To do:

1. Complete your project Description & Upload to Project Folder on ItsLearning (deadline: TODAY!).

   Remember to include an appendix covering:

   - Group formation & Choice of topic form
   - Group Contract
   - Description of your analyse phase

2. Send an e-mail to your supervisors when this is done – INCLUDING:
   - Eventual issues that you especially would like their feedback on.
   - Suggestion(s) for when to meet next week