

# Stud.IP Evaluationsauswertung

## Evaluationsvorlage Vorlesung - EEE - WS2223

Diese Evaluation ist folgenden Bereichen zugeordnet:

Veranstaltung: Energieeffizienz in eingebetteten Systemen (WiSe 22/23) (Kulau, Bublitz)

13 Teilnehmende insgesamt. Die Teilnahme war anonym. Eigentümer: Ulf Kulau. Erzeugt am: 11.02.2023 12:37:05

### 1. Lecture / Vorlesung

#### 1.1. Presence

##### 1.1.1. Approximately how many dates of the lecture were you present?

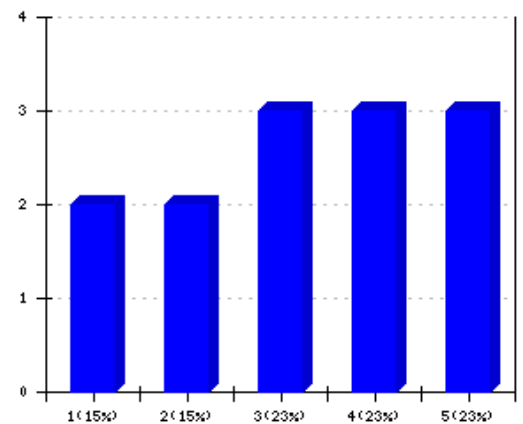
- 1. always
- 2. 75%
- 3. 50%
- 4. 25%
- 5. never

Anzahl der Teilnehmenden: 13

Ø-Antwort: 3.231

- 2 (15%)
- 2 (15%)
- 3 (23%)
- 3 (23%)
- 3 (23%)

Σ 13 Antworten.



##### 1.1.2. How often did you watch the lecture via video recording?

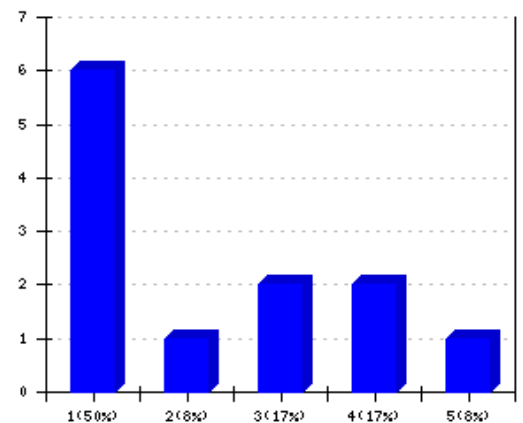
- 1. always
- 2. 75%
- 3. 50%
- 4. 25%
- 5. never

Anzahl der Teilnehmenden: 12

Ø-Antwort: 2.25

- 6 (50%)
- 1 (8%)
- 2 (17%)
- 2 (17%)
- 1 (8%)

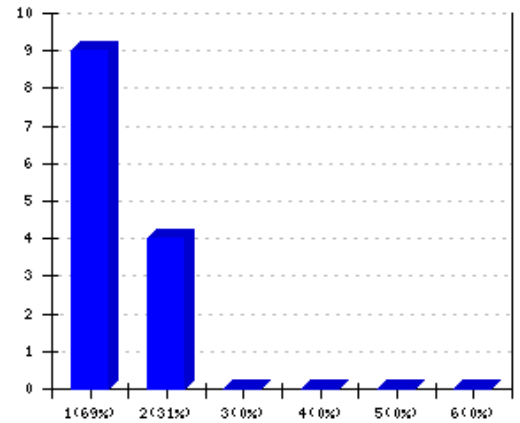
Σ 12 Antworten.



### 1.2. Competences and Structure

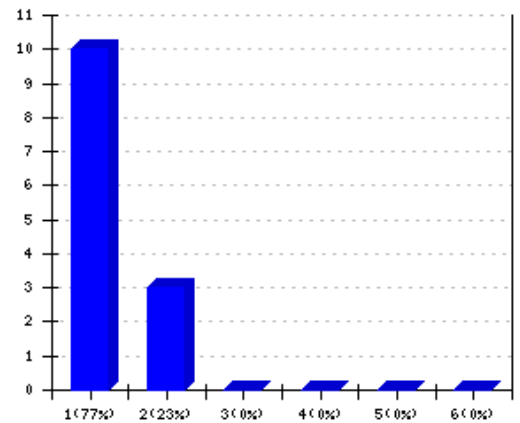
#### 1.2.1. The lecturer was well prepared

1. fully agree	9 (69%)
2. agree	4 (31%)
3. neutral	0 (0%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.308	Σ 13 Antworten.



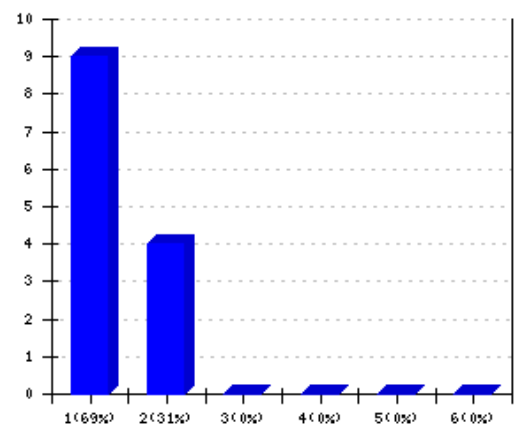
### 1.2.2. The lecturer was competent

1. fully agree	10 (77%)
2. agree	3 (23%)
3. neutral	0 (0%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.231	Σ 13 Antworten.



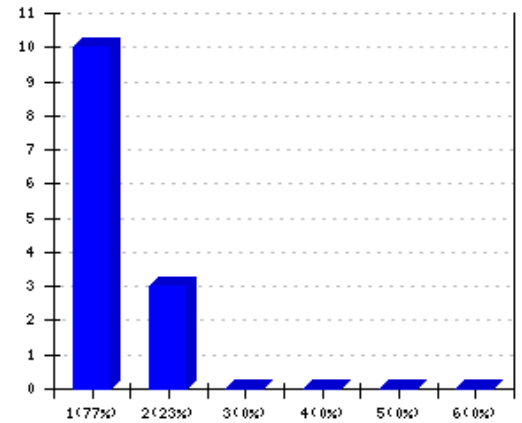
### 1.2.3. The lecturer conveyed the content in an understandable way

1. fully agree	9 (69%)
2. agree	4 (31%)
3. neutral	0 (0%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.308	Σ 13 Antworten.



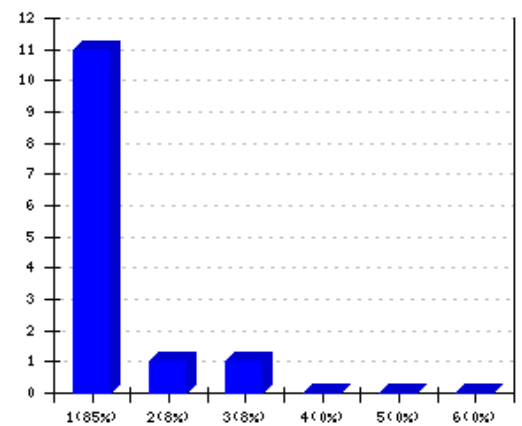
### 1.2.4. Questions were answered understandably

1. fully agree	10 (77%)
2. agree	3 (23%)
3. neutral	0 (0%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.231	Σ 13 Antworten.



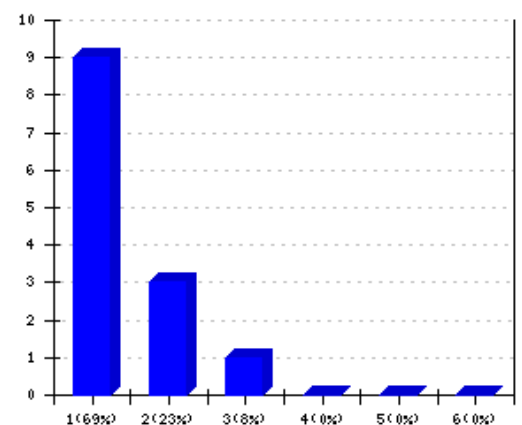
### 1.2.5. Can the lecturer inspire?

1. fully agree	11 (85%)
2. agree	1 (8%)
3. neutral	1 (8%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.231	Σ 13 Antworten.



### 1.2.6. The event was well structured

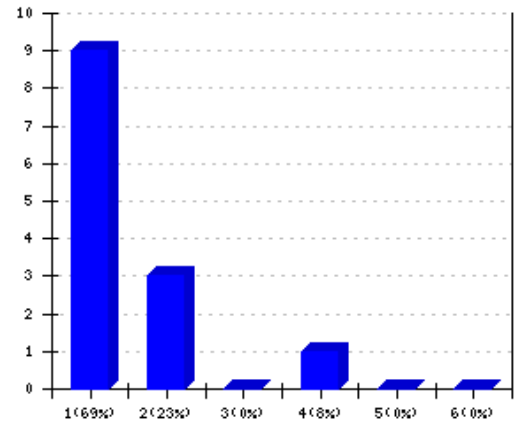
1. fully agree	9 (69%)
2. agree	3 (23%)
3. neutral	1 (8%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.385	Σ 13 Antworten.



## 1.3. Content

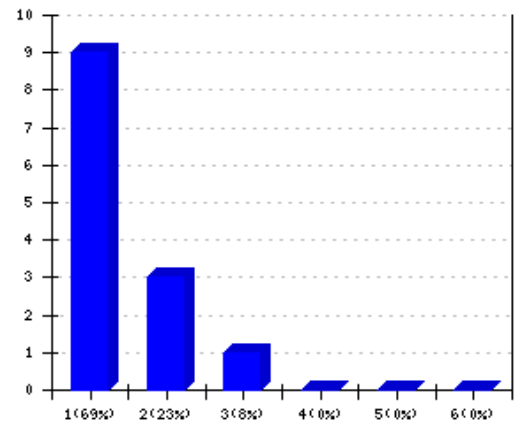
### 1.3.1. The general content of the lecture was interesting

1. fully agree	9 (69%)
2. agree	3 (23%)
3. neutral	0 (0%)
4. disagree	1 (8%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.462	Σ 13 Antworten.



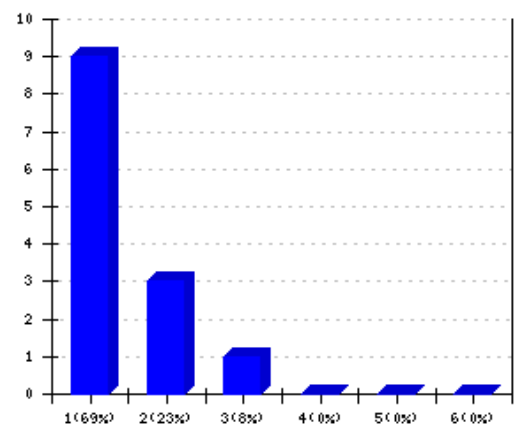
### 1.3.2. Information was provided on relevant literature

1. fully agree	9 (69%)
2. agree	3 (23%)
3. neutral	1 (8%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.385	Σ 13 Antworten.



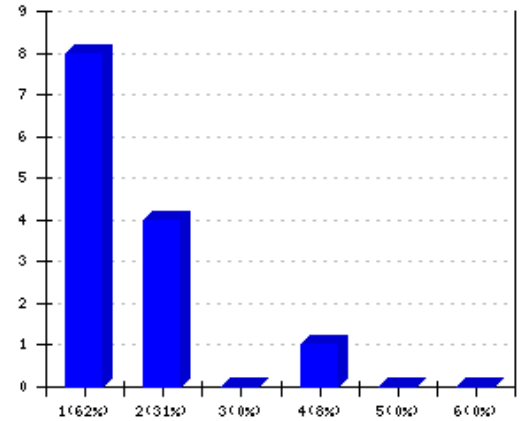
### 1.3.3. The material of the course is up to date

1. fully agree	9 (69%)
2. agree	3 (23%)
3. neutral	1 (8%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.385	Σ 13 Antworten.



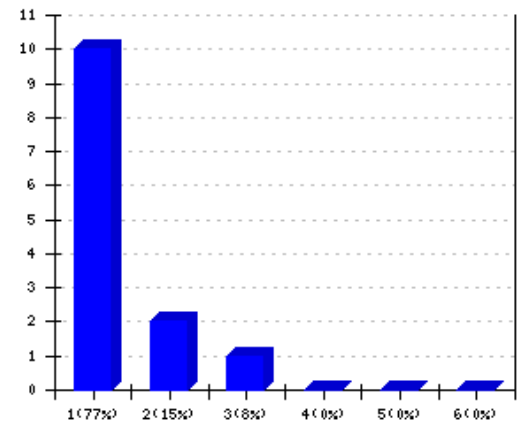
### 1.3.4. The subject matter seems important for my education

1. fully agree	8 (62%)
2. agree	4 (31%)
3. neutral	0 (0%)
4. disagree	1 (8%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.538	Σ 13 Antworten.



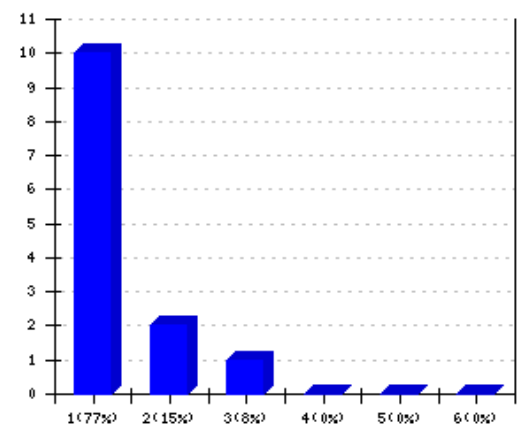
### 1.3.5. Through this event, my interest in the field was strengthened

1. fully agree	10 (77%)
2. agree	2 (15%)
3. neutral	1 (8%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.308	Σ 13 Antworten.



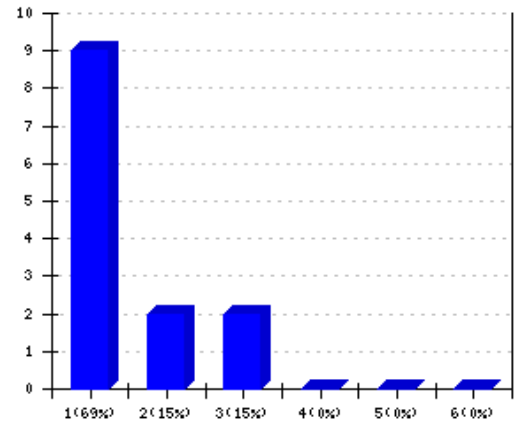
### 1.3.6. The lecturer created a pleasant working atmosphere

1. fully agree	10 (77%)
2. agree	2 (15%)
3. neutral	1 (8%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.308	Σ 13 Antworten.



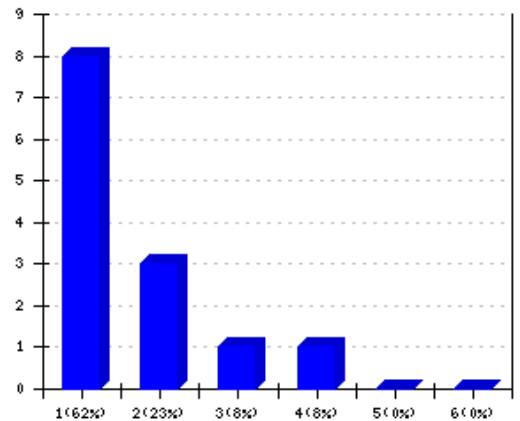
### 1.3.7. The examples were helpful

1. fully agree	9 (69%)
2. agree	2 (15%)
3. neutral	2 (15%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.462	Σ 13 Antworten.



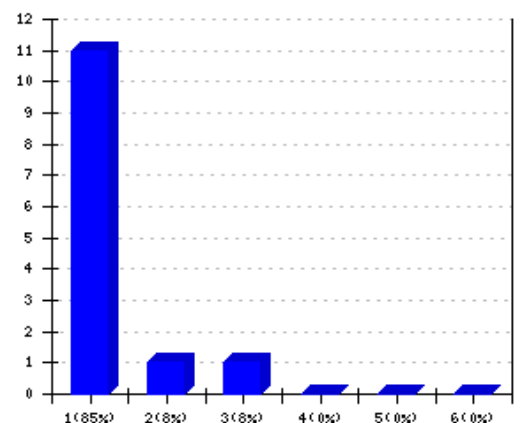
### 1.3.8. In the event I learned a lot

1. fully agree	8 (62%)
2. agree	3 (23%)
3. neutral	1 (8%)
4. disagree	1 (8%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.615	Σ 13 Antworten.



### 1.3.9. I would attend a course with this lecturer again

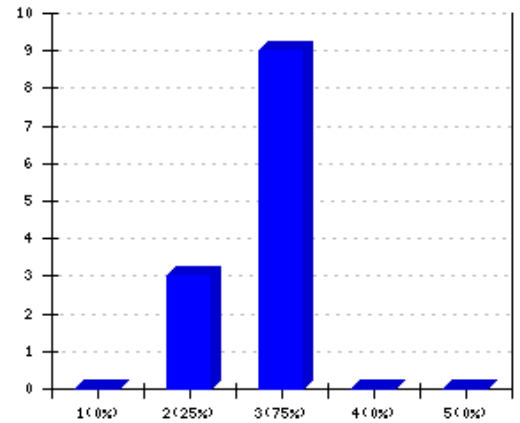
1. fully agree	11 (85%)
2. agree	1 (8%)
3. neutral	1 (8%)
4. disagree	0 (0%)
5. fully disagree	0 (0%)
6. not known	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.231	Σ 13 Antworten.



## 1.4. Requirements

### 1.4.1. The requirements of the lecture (tempo, difficulty, and/or time commitment) was for me...

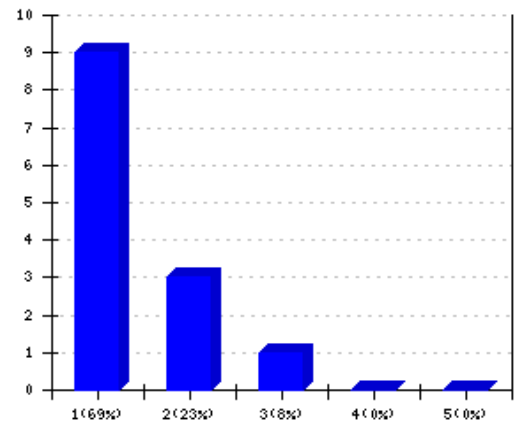
1. much too high	0 (0%)
2. too high	3 (25%)
3. just right	9 (75%)
4. too low	0 (0%)
5. not known	0 (0%)
Anzahl der Teilnehmenden: 12	
Ø-Antwort: 2.75	Σ 12 Antworten.



## 1.5. Overall Grade

### 1.5.1. What is your overall grade for the lecture?

1. very good	9 (69%)
2. good	3 (23%)
3. satisfactory	1 (8%)
4. sufficient	0 (0%)
5. poor	0 (0%)
Anzahl der Teilnehmenden: 13	
Ø-Antwort: 1.385	Σ 13 Antworten.



## 1.6. Feedback

### 1.6.1. What did you particularly like about this lecture?

- its relevance to the current scenario.  
both HW and SW part was equally touched upon and it helped me to visualize the scenario easily.
  - the lecture slides are very well structured and the memes in the slides make it more enjoyable to study.
  - In every lecture i would learn something new to subject and external technology
  - The way of teaching and understanding of the professor on the topics.
  - The professor was able to capt your attention throughout the whole class period, and the approaches that he took were really interesting. Never failed to answer a question clearly . I would of course sign up for other courses that he will be responsible for.
- Anzahl der Teilnehmenden: 5

### 1.6.2. What would have supported your learning process even better? (Feel free to name concrete suggestions)

- I was mostly watching lecture videos online and I felt the use of a pointer would have been more convenient for understanding what the professor was referring to on the slides/diagram
- For the online recorded lectures, would have preferred a mic to record the sound.
- It would be great to have digital boards so that when we watch the videos it will be easy to recollect the graphs and points noted by you during offline lectures.
- Due to the overlap of the lectures, I was attending the lecture via video and the parts explained on the board are often missed in the video.  
It would be better if a virtual pen could be used in the lecture.

## 2. Exercise and PBL / Übung und PBL

### 2.1. Presence

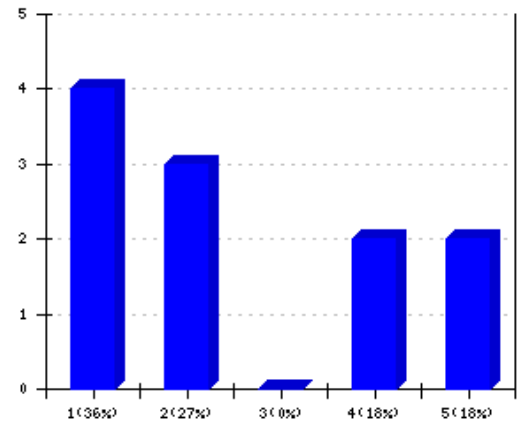
#### 2.1.1. Approximately how many dates of the lecture were you present at Exercise?

- |           |         |
|-----------|---------|
| 1. always | 4 (36%) |
| 2. 75%    | 3 (27%) |
| 3. 50%    | 0 (0%)  |
| 4. 25%    | 2 (18%) |
| 5. never  | 2 (18%) |

Anzahl der Teilnehmenden: 11

Ø-Antwort: 2.545

Σ 11 Antworten.



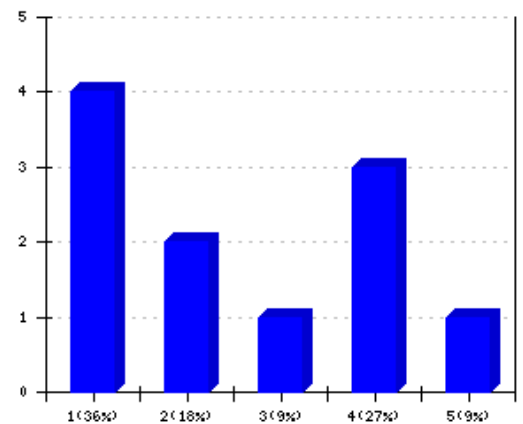
#### 2.1.2. Approximately how many dates of the lecture were you present at PBL?

- |           |         |
|-----------|---------|
| 1. always | 4 (36%) |
| 2. 75%    | 2 (18%) |
| 3. 50%    | 1 (9%)  |
| 4. 25%    | 3 (27%) |
| 5. never  | 1 (9%)  |

Anzahl der Teilnehmenden: 11

Ø-Antwort: 2.545

Σ 11 Antworten.



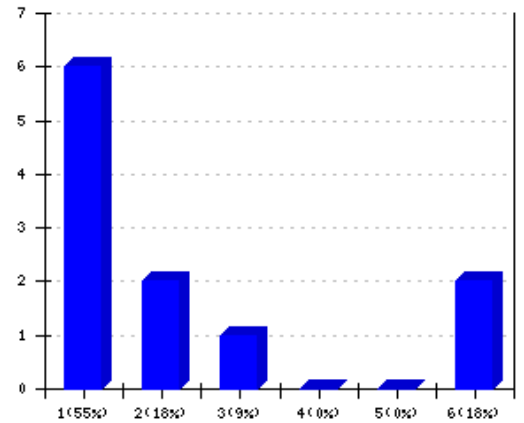
### 2.2. Exercise

#### 2.2.1. The auditorium exercise was well coordinated with the lecture



1. fully agree  
 2. agree  
 3. neutral  
 4. disagree  
 5. fully disagree  
 6. not known  
 Anzahl der Teilnehmenden: 11  
 Ø-Antwort: 1.444\*  
 \*Werte ohne Enthaltungen.

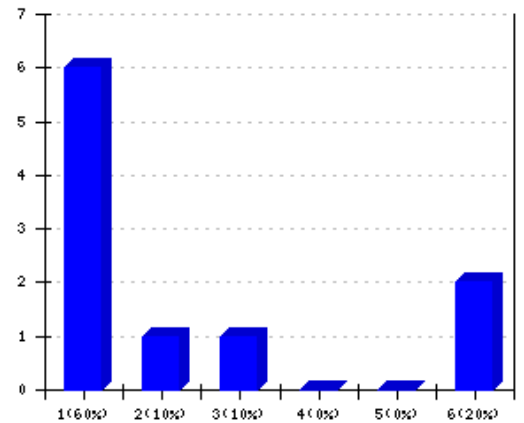
6 (55%) (67%)\*  
 2 (18%) (22%)\*  
 1 (9%) (11%)\*  
 0 (0%) (0%)\*  
 0 (0%) (0%)\*  
 2 (18%)  
 Σ 9 Antworten.



### 2.2.2. The content of the exercise has contributed to the understanding of the lecture

1. fully agree  
 2. agree  
 3. neutral  
 4. disagree  
 5. fully disagree  
 6. not known  
 Anzahl der Teilnehmenden: 10  
 Ø-Antwort: 1.375\*  
 \*Werte ohne Enthaltungen.

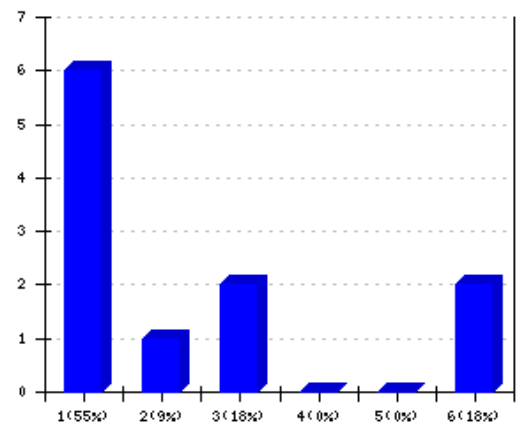
6 (60%) (75%)\*  
 1 (10%) (13%)\*  
 1 (10%) (13%)\*  
 0 (0%) (0%)\*  
 0 (0%) (0%)\*  
 2 (20%)  
 Σ 8 Antworten.



### 2.2.3. Questions in the exercise were answered sufficiently

1. fully agree  
 2. agree  
 3. neutral  
 4. disagree  
 5. fully disagree  
 6. not known  
 Anzahl der Teilnehmenden: 11  
 Ø-Antwort: 1.556\*  
 \*Werte ohne Enthaltungen.

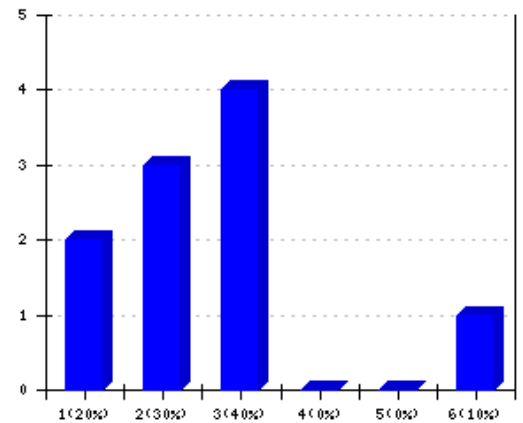
6 (55%) (67%)\*  
 1 (9%) (11%)\*  
 2 (18%) (22%)\*  
 0 (0%) (0%)\*  
 0 (0%) (0%)\*  
 2 (18%)  
 Σ 9 Antworten.



## 2.3. PBL

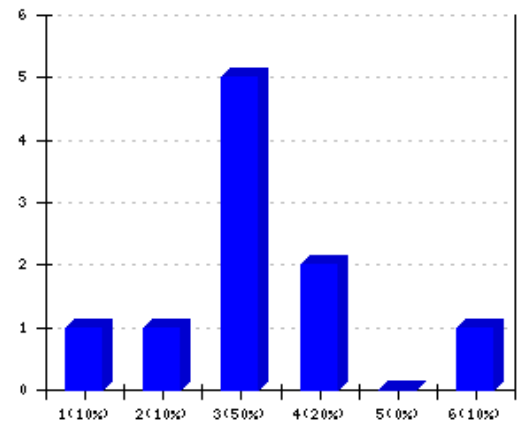
### 2.3.1. PBL fit well with the content of the lecture

1. fully agree	2 (20%) (22%)*
2. agree	3 (30%) (33%)*
3. neutral	4 (40%) (44%)*
4. disagree	0 (0%) (0%)*
5. fully disagree	0 (0%) (0%)*
6. not known	1 (10%)
Anzahl der Teilnehmenden: 10	
Ø-Antwort: 2.222*	Σ 9 Antworten.
*Werte ohne Enthaltungen.	



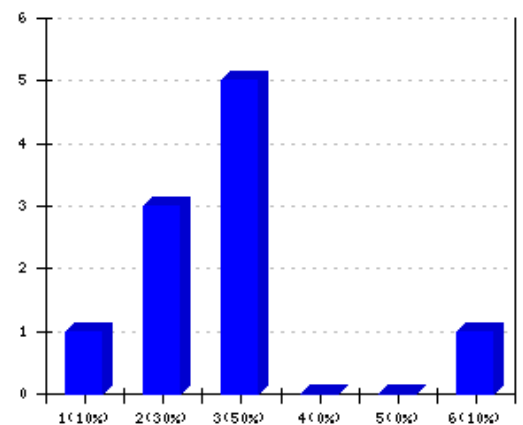
### 2.3.2. I have worked for the first time with microcontrollers and an energy harvesting system.

1. fully agree	1 (10%) (11%)*
2. agree	1 (10%) (11%)*
3. neutral	5 (50%) (56%)*
4. disagree	2 (20%) (22%)*
5. fully disagree	0 (0%) (0%)*
6. not known	1 (10%)
Anzahl der Teilnehmenden: 10	
Ø-Antwort: 2.889*	Σ 9 Antworten.
*Werte ohne Enthaltungen.	



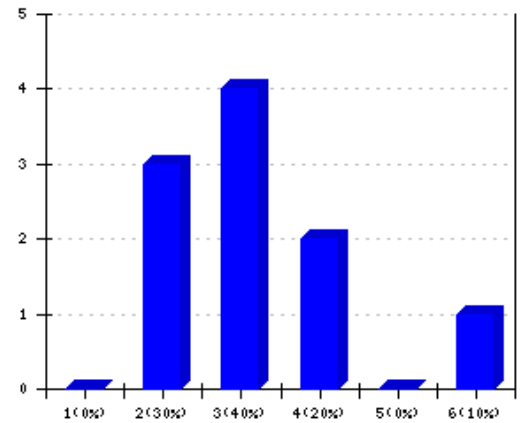
### 2.3.3. Through PBL, I have a better understanding of the practical application of theoretical concepts.

1. fully agree	1 (10%) (11%)*
2. agree	3 (30%) (33%)*
3. neutral	5 (50%) (56%)*
4. disagree	0 (0%) (0%)*
5. fully disagree	0 (0%) (0%)*
6. not known	1 (10%)
Anzahl der Teilnehmenden: 10	
Ø-Antwort: 2.444*	Σ 9 Antworten.
*Werte ohne Enthaltungen.	



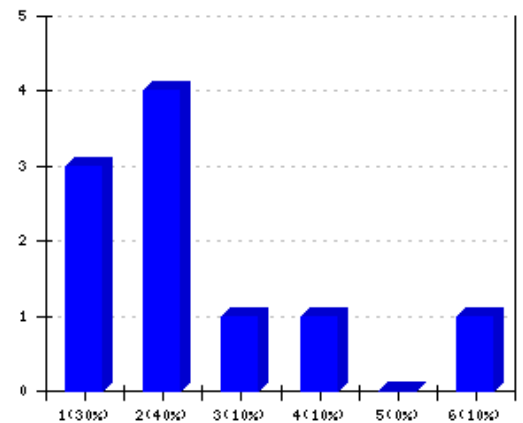
### 2.3.4. Questions about and in the PBL were always answered satisfactorily

1. fully agree	0 (0%) (0%)*
2. agree	3 (30%) (33%)*
3. neutral	4 (40%) (44%)*
4. disagree	2 (20%) (22%)*
5. fully disagree	0 (0%) (0%)*
6. not known	1 (10%)
Anzahl der Teilnehmenden: 10	
Ø-Antwort: 2.889*	Σ 9 Antworten.
*Werte ohne Enthaltungen.	



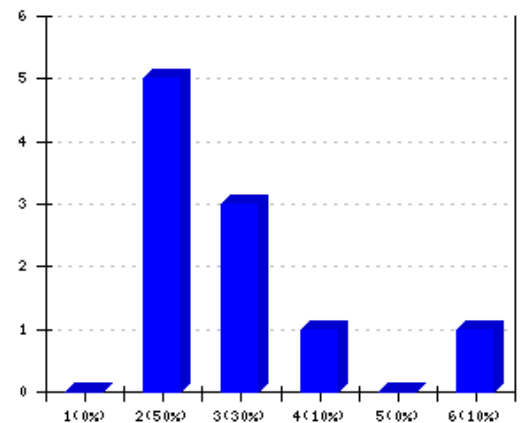
### 2.3.5. The borrowing of the hardware was helpful for the processing of the tasks

1. fully agree	3 (30%) (33%)*
2. agree	4 (40%) (44%)*
3. neutral	1 (10%) (11%)*
4. disagree	1 (10%) (11%)*
5. fully disagree	0 (0%) (0%)*
6. not known	1 (10%)
Anzahl der Teilnehmenden: 10	
Ø-Antwort: 2*	Σ 9 Antworten.
*Werte ohne Enthaltungen.	



### 2.3.6. The supervisor of the PBL was competent

1. fully agree	0 (0%) (0%)*
2. agree	5 (50%) (56%)*
3. neutral	3 (30%) (33%)*
4. disagree	1 (10%) (11%)*
5. fully disagree	0 (0%) (0%)*
6. not known	1 (10%)
Anzahl der Teilnehmenden: 10	
Ø-Antwort: 2.556*	Σ 9 Antworten.
*Werte ohne Enthaltungen.	



## 2.4. Feedback

### 2.4.1. What did you particularly like about the Exercise and PBL?

1. A quick overview of the lecture content and the hands-on content in the pbl.
2. PBL: I liked the fact that how each PBL task towards the end of the semester helped us realize the energy harvesting system.

Exercise: perfectly captured the lecture's content

3. I found the PBL hard as I had zero knowledge about coding languages and thus lost interest and didn't attend the later sessions.

Anzahl der Teilnehmenden: 3

### 2.4.2. What can we do better in the future?

1. PBL could have been more informative and well structured with respect to the tasks and the steps to achieve those tasks.
2. More interaction between professor and student in the PBL.

Anzahl der Teilnehmenden: 2