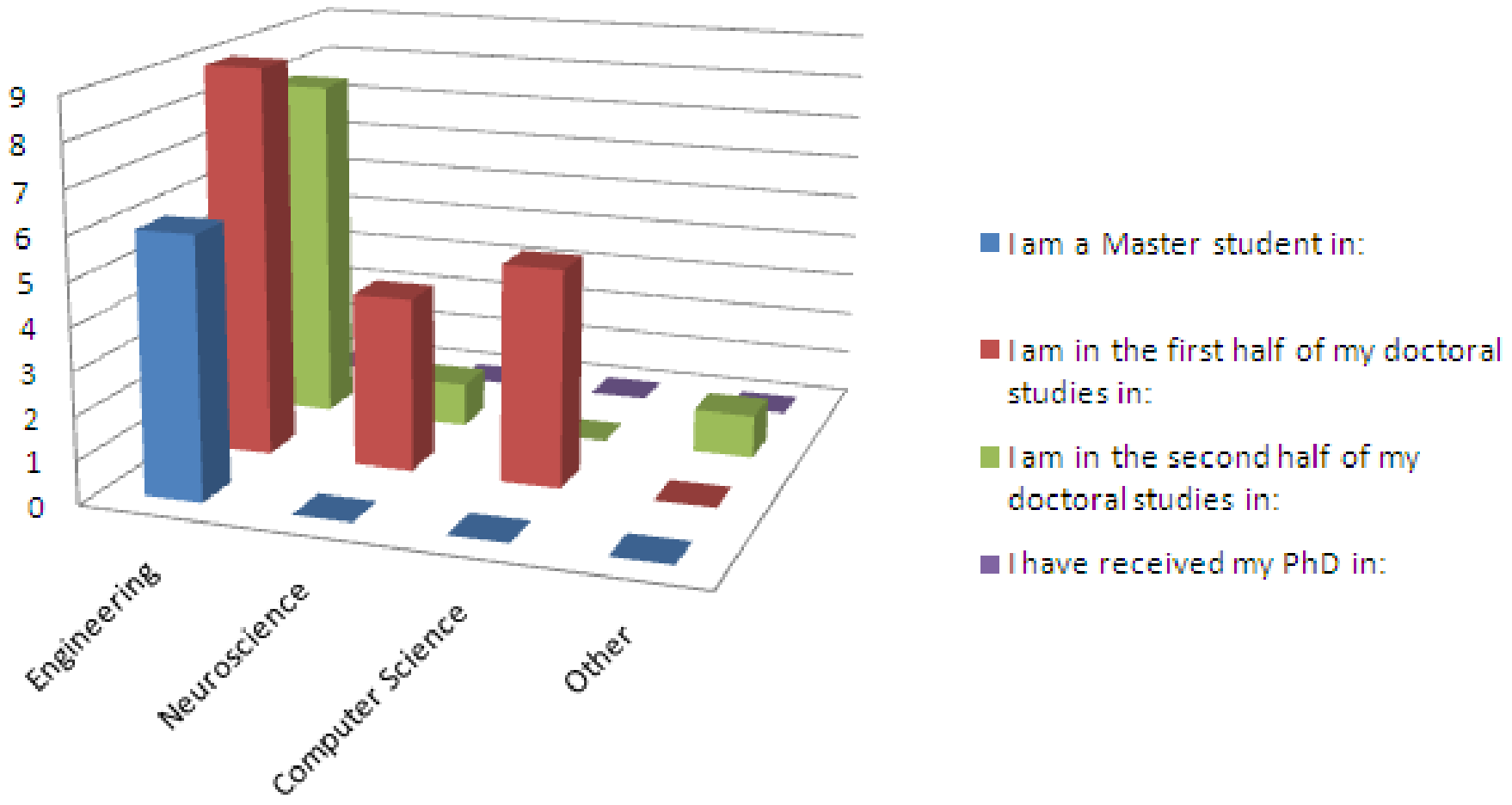
Embodied Intelligence
Summer School

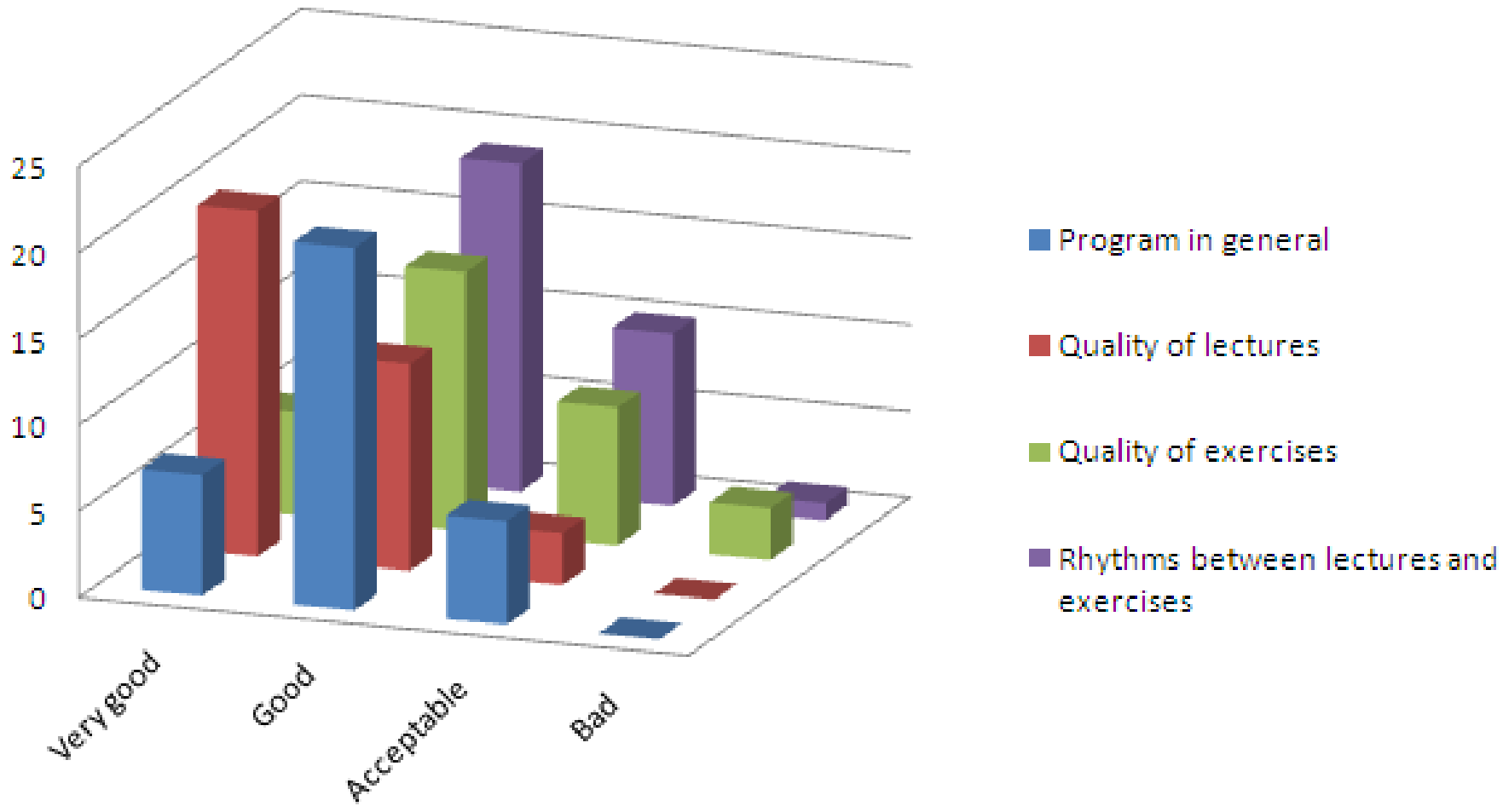
September 20-24, 2010
Livorno, Italy

# The Questionnaire

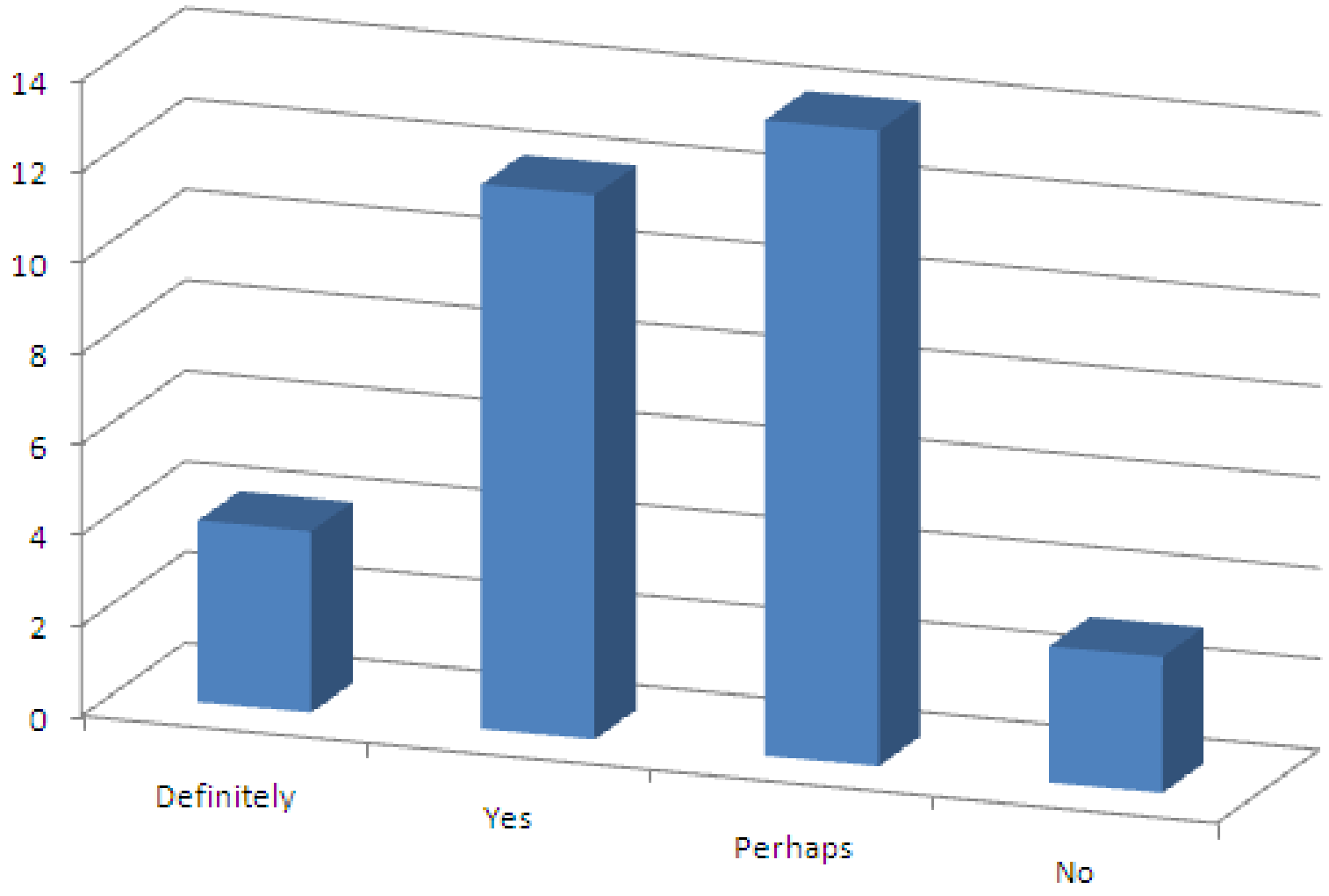
# Please indicate your level in education



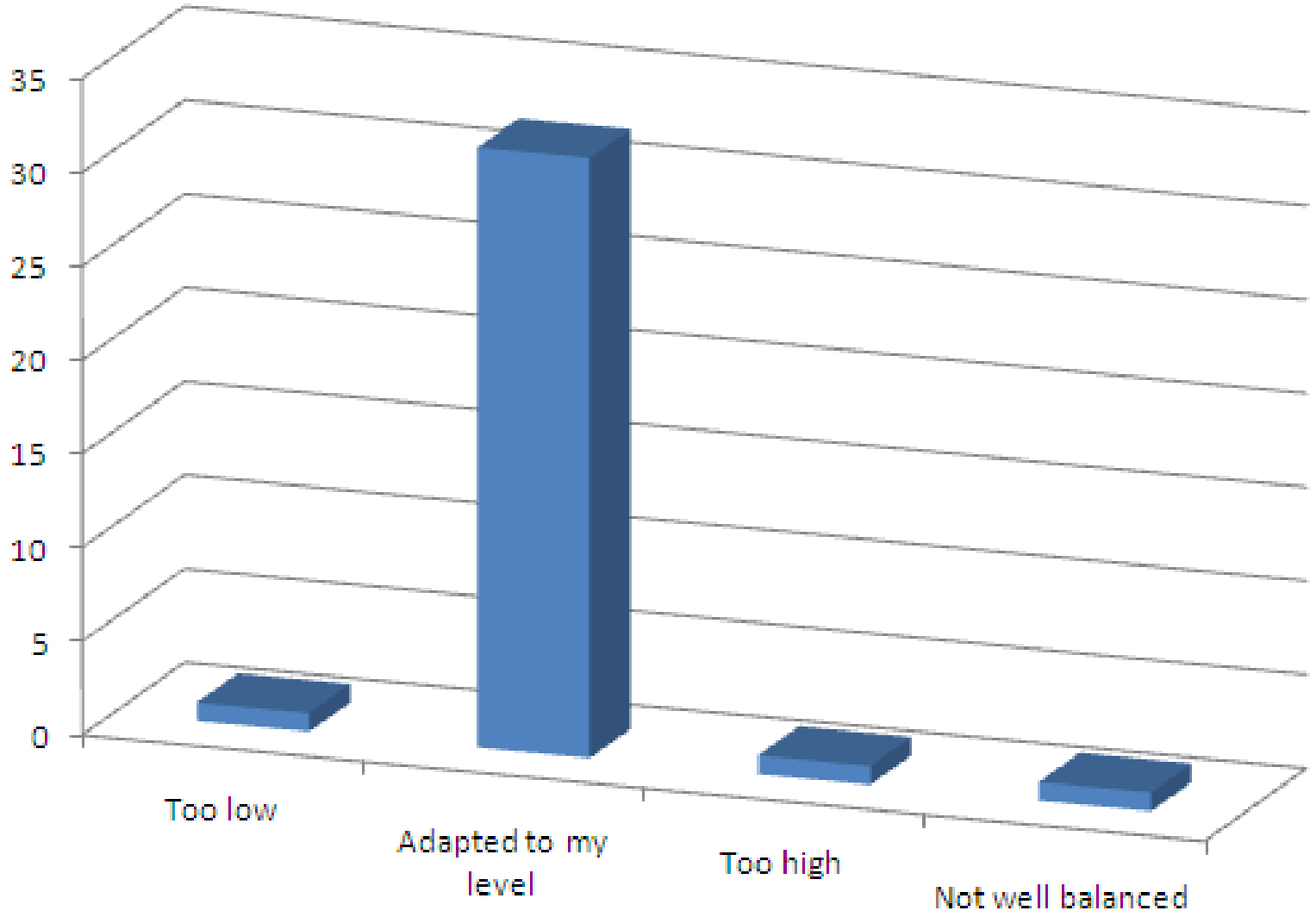
# How do you judge the quality in general?



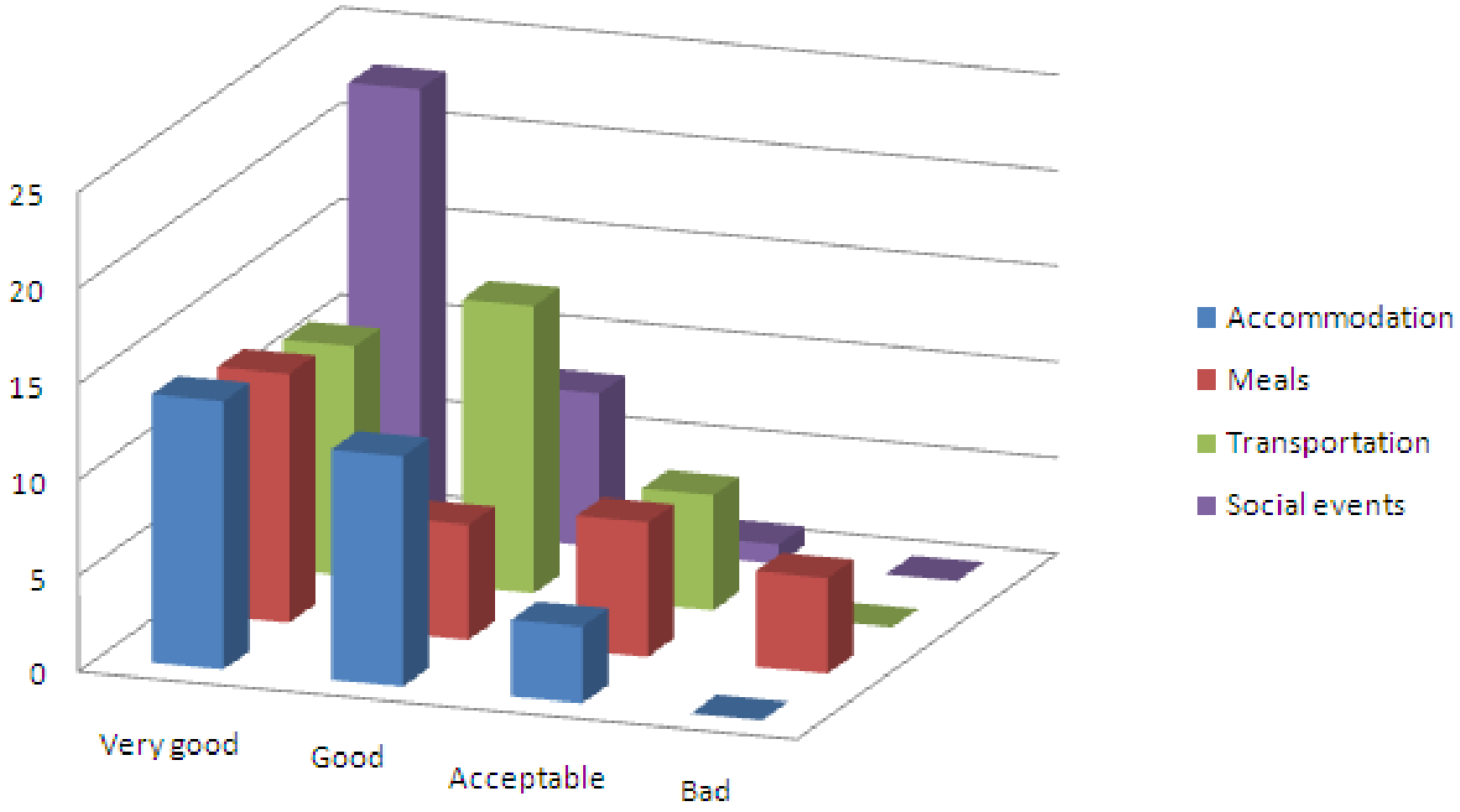
# Do you expect the Summer School to promote your career?



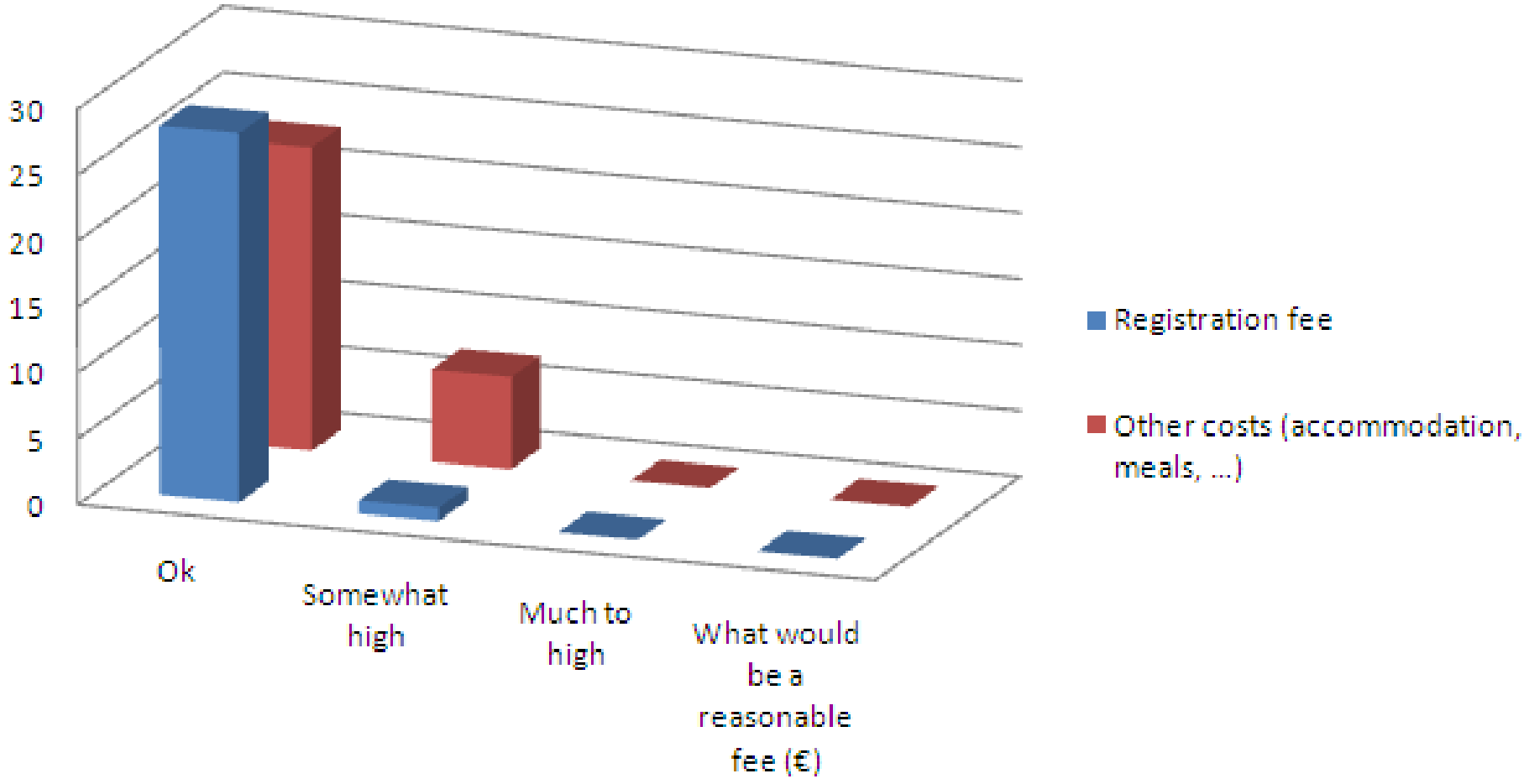
# How do you judge the level of the lectures?



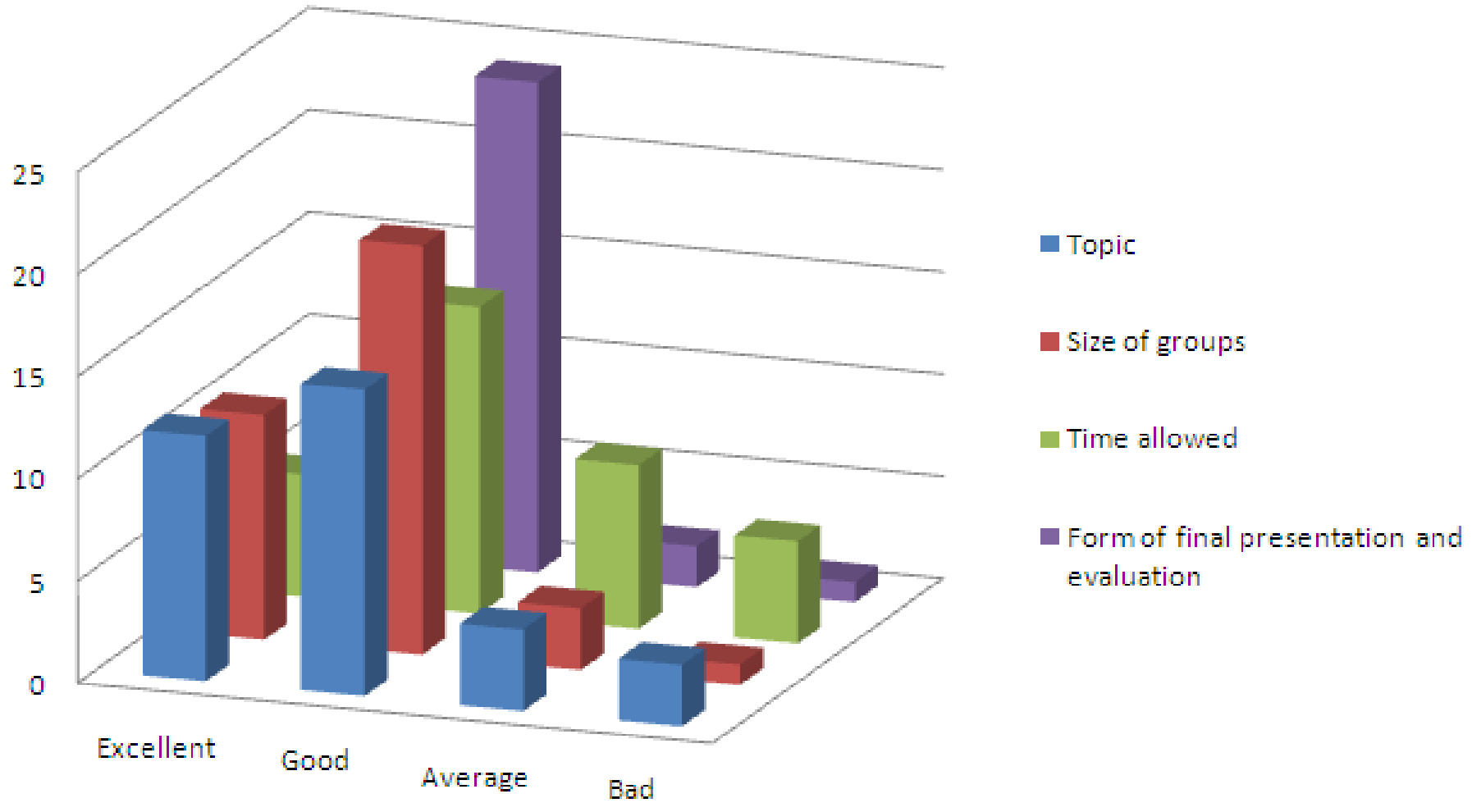
# How do you classify the organizers' support for?



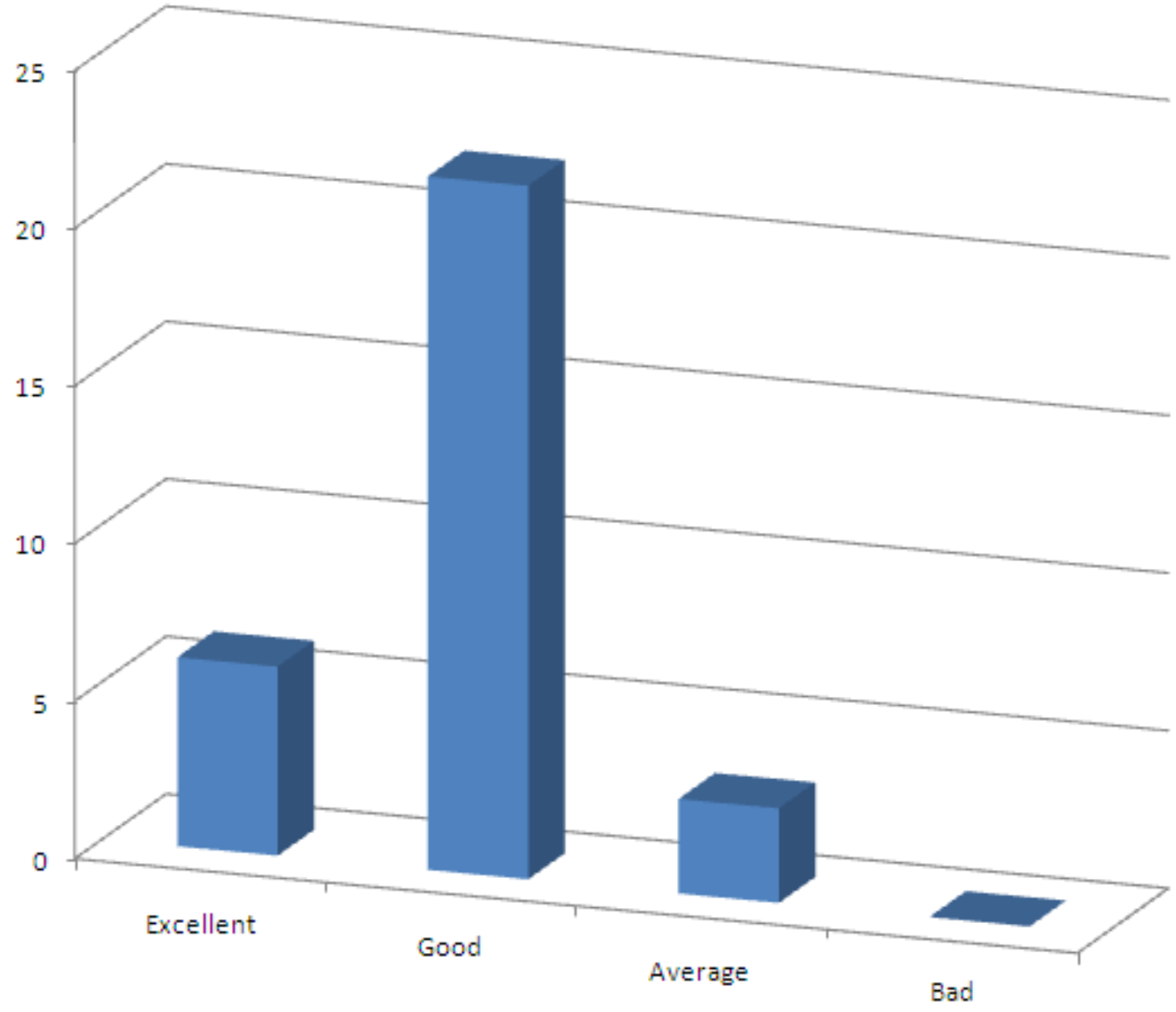
# How do you classify the costs?

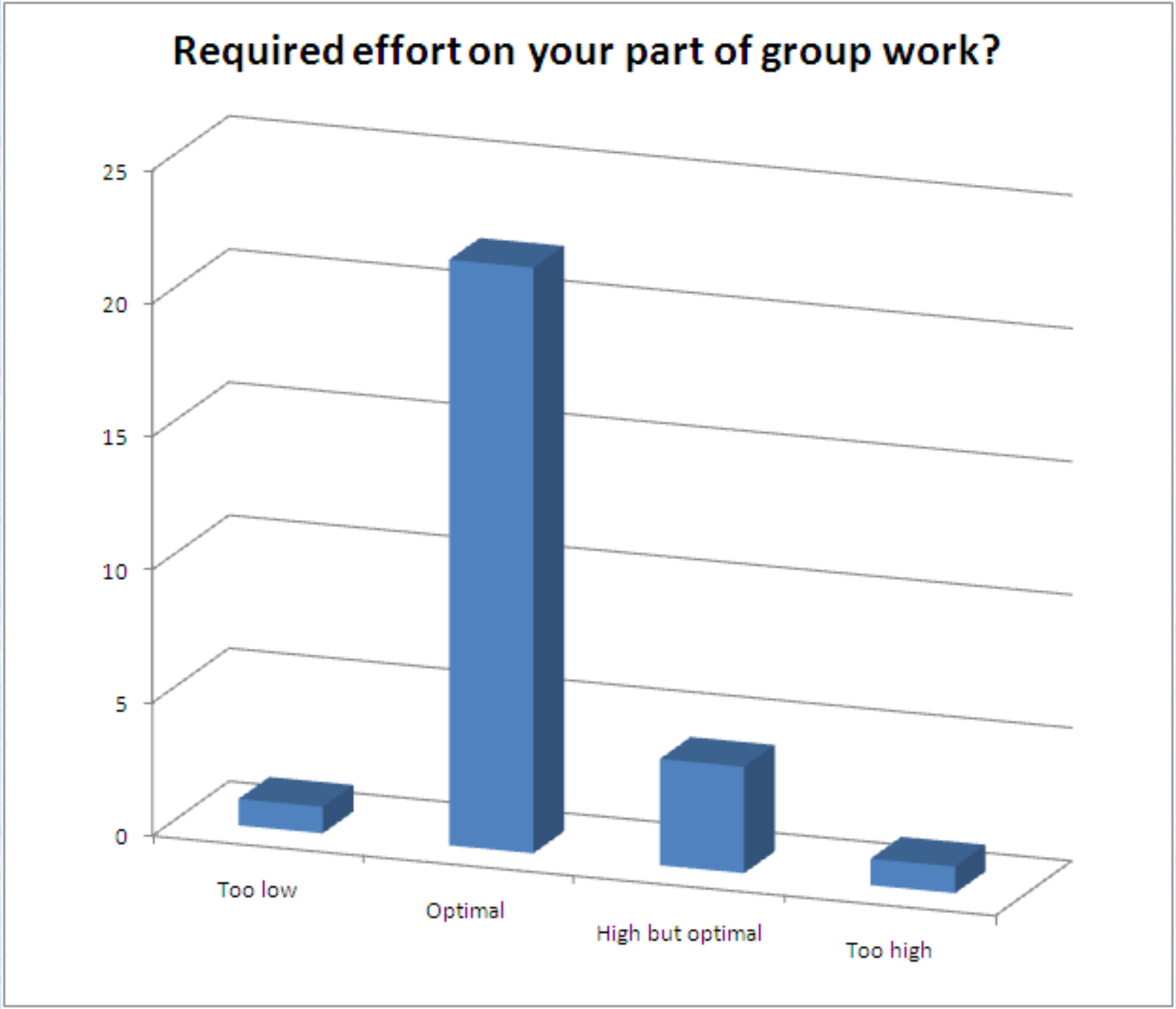


# How do you classify the quality of the group work?

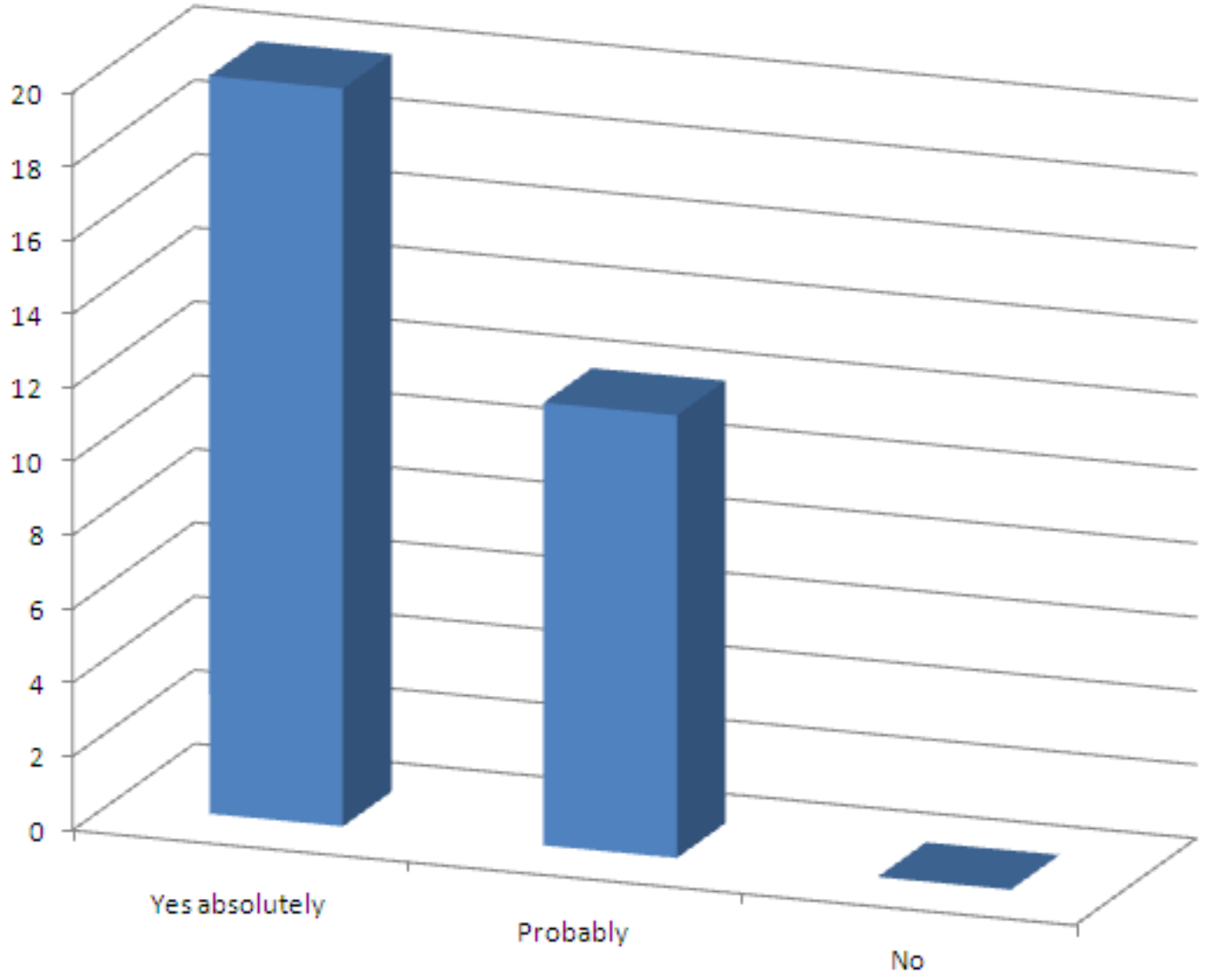


# How do you evaluate the project discussion?




Required effort on your part of group work?
25
20
15
10
5
0
Too low
Optimal
High but optimal
Too high

# Do you like to participate in future editions of EMBODYi Summer Schools?



# Please give your suggestions to improve the quality of these events (I):

- Focus on high-quality lectures, especially from scientists coming from different fields
- More lectures, focused and supervised group work, time to discuss with professor is the most important opportunity for students
- The idea of workgroup has to go through refinement. A robotic project in particular with this level of detail (cost, timing, budget) does not add anything to the understanding of the topic of the Summer School
- Small workshop may help to gain some hand on experience
- The lecture room is too close to the road and noisy
- More time for the lectures
- Given the abstract nature of the exercises, the organizing professors could have given guidance during the group work phase
- We should continue to build a real robot
- Realize something during the project (simulation, robot experiment)

# Please give your suggestions to improve the quality of these events (II):

- The most important thing is the interaction between professors and students and between students and themselves. Every event that favor the exchange I think is good. Invite people from industry world
- To improve the discussion in the poster session. Interactions between students and teachers
- Maybe more exercises
- It could be good to have a better internet access, otherwise excellent Organized lunch time, especially for foreign students
- Very well done
- Increase the fee and propose a meal for lunch
- We could have been given a map of restaurants in the area. Some basic transport info could also have been given
- There should be given time between the end of the academic activity to the beginning of the social activity for going to the hotel (shower, putting and taking things, adjusting clothes according to temperature, etc.)

# For you, what were the two most profitable issues from this Summer School? (I)

- Benny Hochner's lecture
- Getting to meet some important scientists
- Lectures
- Not enough time to work (4.5 days -> 7/10 days)
- Newer networks
- The lectures
- The group work
- Collaboration with other PhD students
- The possibility to better know the other EMBODY[i] projects and the people working on those projects
- Exposure to the engineering side
- Relationship between students of diverse labs
- I think that the Summer School is occasion of exchange. I know many people of different culture and enjoyed it
- The interaction with engineering students
- Group work

# For you, what were the two most profitable issues from this Summer School? (II)

- The exercises
- Sharing knowledge
- Getting to know better the different projects and the people in these projects
- The lectures
- Exercise
- A better understanding of the big picture
- To exchange ideas/knowledge
- The labs
- Practicing in designing a robot (even if only as an exercise)
- Lectures
- The lectures help me to understanding a lot of things in the field of robotics
- The lectures
- Barbara Webb's lecture
- The course
- Deep understanding of embodied intelligence
- The work group

# Observations or suggestions:

- Allow the lecturers to propose the time they need. Some lectures were really interesting and needed much more time than the time given
- More material on how to implement these ideas, not just overview of projects
- The problem is always the same presented a reasonable number of slides
- I was expecting the lecturers to stay more during the Summer School in order to advise and help us during the project
- Speeches are excellent in general but presentations often not well structured or timed, too high-level for a school
- Maybe it would be worth in the design (at only this) of a robot and then make a discussion between the groups to defend one solution or another
- Increase the duration of Summer School. With such a time, the visit at Firenze was too much (no need of day break). The 'lecturers' were a bit stressed by the time. Too much octopus
- More hands-on guidance during the group work phase. Lack of easy internet access
- Could be useful also a lecture on how to realize a proposal to European Commission
- I don't have any observation, I like the experience of project
- Practical activity instead of project proposal

# Please add subjects that you would like to see at future EMBODY$^{i}$ Summer Schools

- Embodiment in assistive robots / exoskeletons
- Neuromorphic circuits
- More lectures
- Specific techniques, e.g. how to implement a CPG controller
- A good balance between all the subjects covered by the students
- Evolutionary algorithm techniques, swarm intelligence, discussion on biomaterial/actuators (e.g. artificial muscles). Dynamic system approach for control
- Maybe experience in other field work which are different the mine
- Somebody from the VIACTOR project - Lipson
- More interaction with real robot
- More lectures, learn new software (like simulator)
- Wireless internet access

# Thank you everybody!

FUNDING OPPORTUNITIES from the
FUTURE & EMERGING TECHNOLOGIES scheme

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