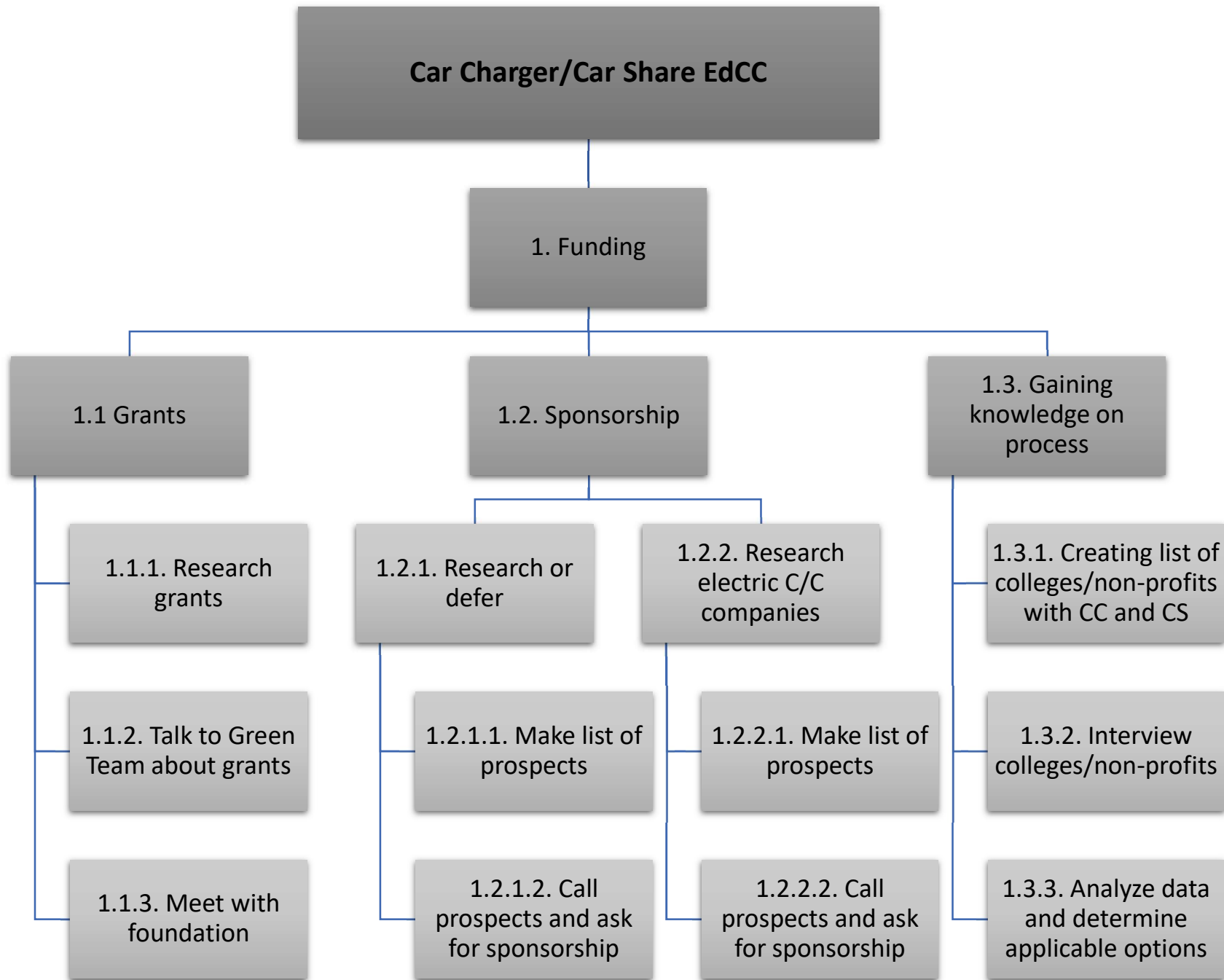
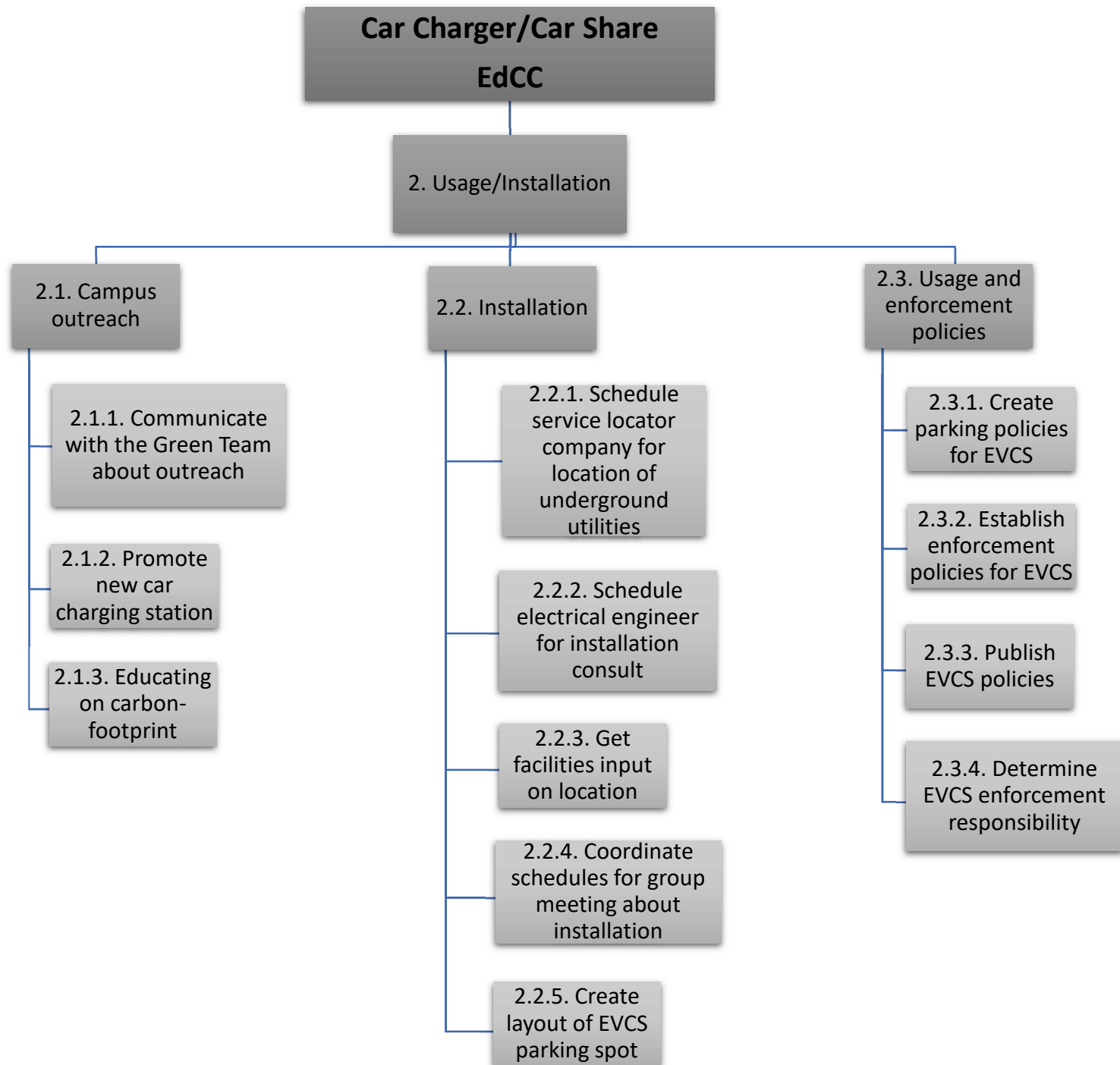


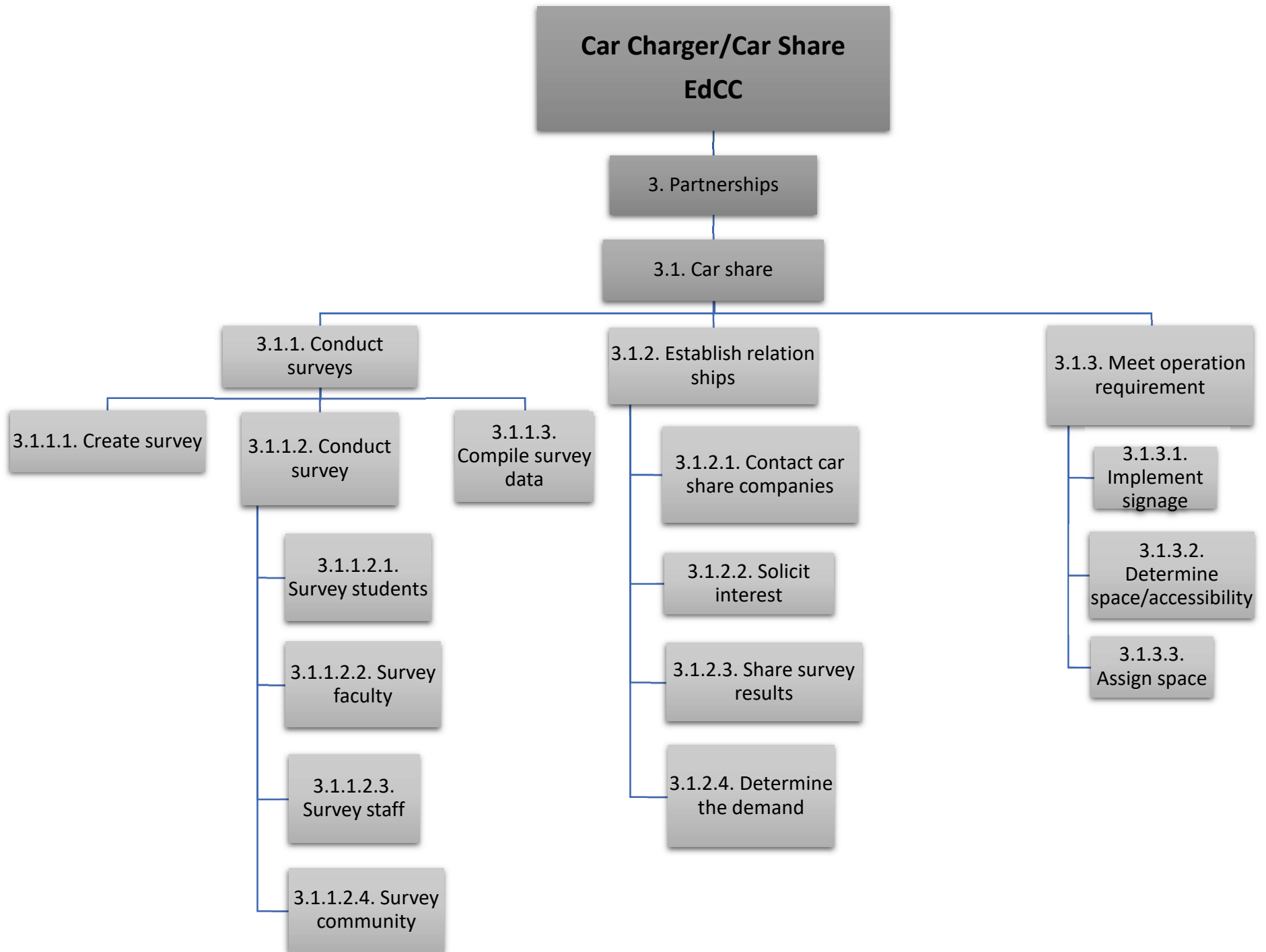
# **GROUP PROJECT IV**

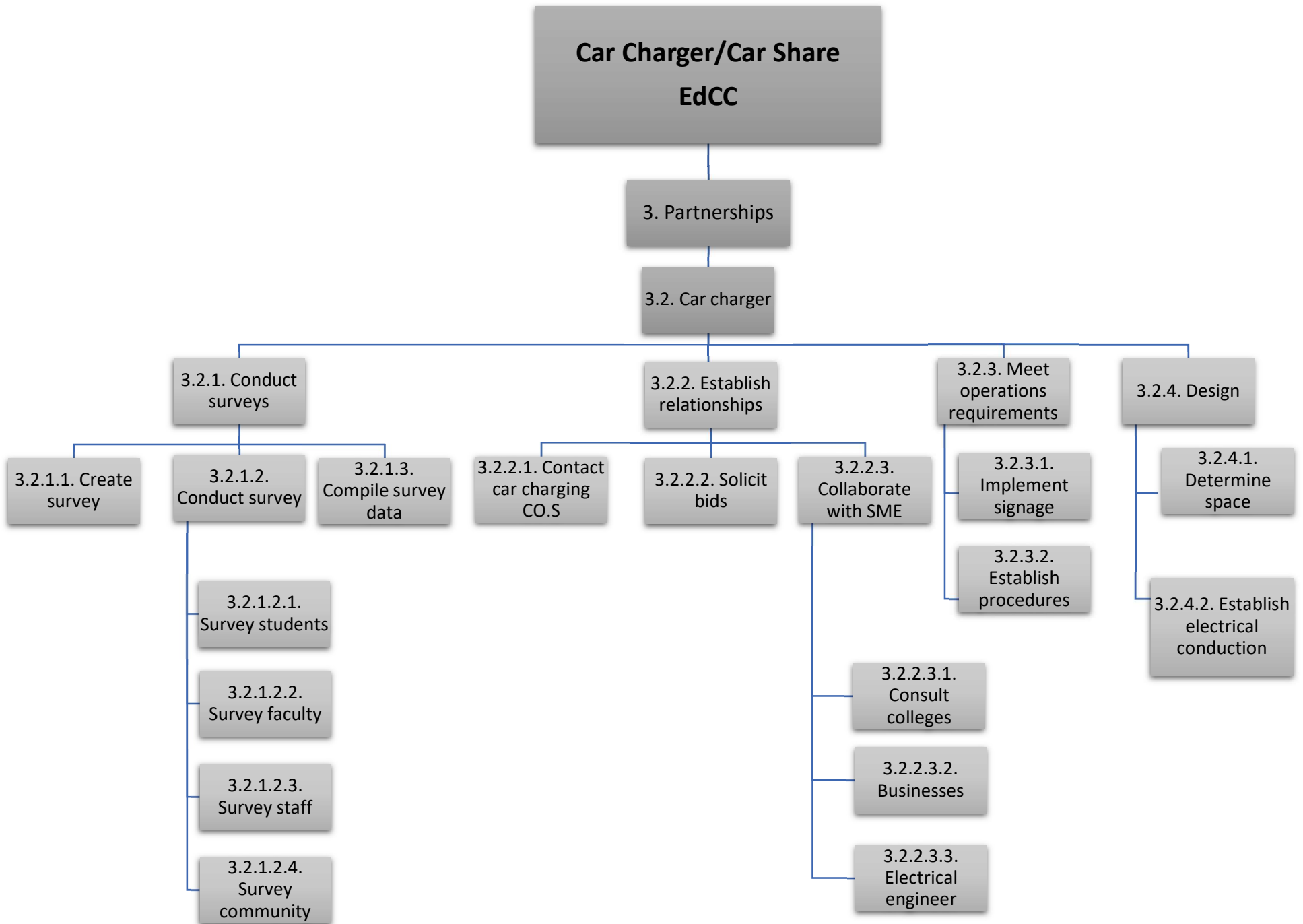
## **WBS**

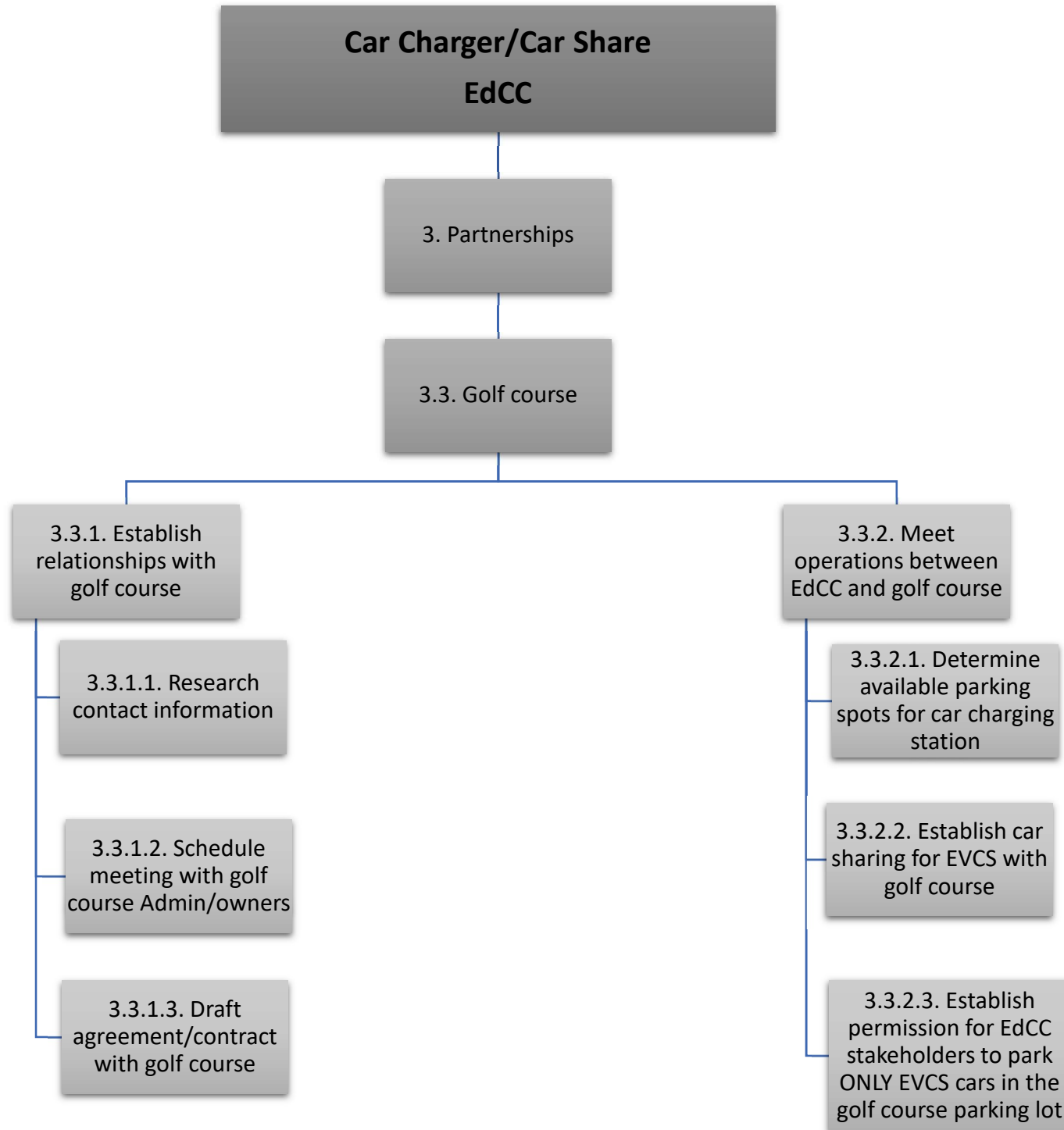
PROJECT MANAGEMENT I 270











# Car Charger/Car Share EdCC

## 4. Approvals/Permits

### 4.1. EdCC

#### 4.1.1. Analyze survey

4.1.1.1. Analyse golf course

4.1.1.2. Analyze student

4.1.1.3. Analyze community

4.1.1.4. Analyze faculty

#### 4.1.2. Facilities

4.1.2.1. Retain electrical engineer

4.1.2.2. Determine location based on engineer's report

#### 4.1.3. Administration

4.1.3.1. Present study to president

4.1.3.2. Kevin McKay present survey results

### 4.2. City of Lynnwood

4.2.1. Determine what permits needed

4.2.2. Get permits

4.2.3. Determine golf course partnership

### 4.3. County

4.3.1. Determine what permits needed

4.3.2. Get permits

### 4.4. State

4.4.1. Determine what permits needed

4.4.2. Get permits

## **Car Charger/Car Share**

### **EdCC**

1. Funding
  - 1.1. Grants
    - 1.1.1. Research grants
    - 1.1.2. Talk to Green Team about grants
    - 1.1.3. Meet with foundation
  - 1.2. Sponsorship
    - 1.2.1. Research or defer
      - 1.2.1.1. Make list of prospects
      - 1.2.1.2. Call prospects and ask for sponsorship
    - 1.2.2. Research electric C/C companies
      - 1.2.2.1. Make list of prospects
      - 1.2.2.2. Call prospects and ask for sponsorship
  - 1.3. Gaining knowledge on process
    - 1.3.1. Creating list of colleges/non-profits with CC and CS
    - 1.3.2. Interview colleges/non-profits
    - 1.3.3. Analyze data and determine applicable options
2. Usage/Installation
  - 2.1. Campus outreach
    - 2.1.1. Communicate with the Green Team about outreach
    - 2.1.2. Promote new car charging station
    - 2.1.3. Educating on carbon-footprint
  - 2.2. Installation
    - 2.2.1. Schedule service locator company for location of underground utilities
    - 2.2.2. Schedule electrical engineer for installation consult
    - 2.2.3. Get facilities input on location
    - 2.2.4. Coordinate schedules for group meeting about installation
    - 2.2.5. Create layout of EVCS parking spot
  - 2.3. Usage and enforcement policies
    - 2.3.1. Create parking policies for EVCS
    - 2.3.2. Establish enforcement policies for EVCS
    - 2.3.3. Publish EVCS policies
    - 2.3.4. Determine EVCS enforcement responsibility
3. Partnerships
  - 3.1. Car share
    - 3.1.1. Conduct surveys
      - 3.1.1.1. Create survey



- 3.1.1.2. Conduct survey
    - 3.1.1.2.1. Survey students
    - 3.1.1.2.2. Survey faculty
    - 3.1.1.2.3. Survey staff
    - 3.1.1.2.4. Survey community
  - 3.1.1.3. Compile survey data
- 3.1.2. Establish relationships
  - 3.1.2.1. Contact car share companies
  - 3.1.2.2. Solicit interest
  - 3.1.2.3. Share survey results
  - 3.1.2.4. Determine the demand
- 3.1.3. Meet operation requirement
  - 3.1.3.1. Implement signage
  - 3.1.3.2. Determine space/accessibility
  - 3.1.3.3. Assign space
- 3.2. Car charger
  - 3.2.1. Conduct surveys
    - 3.2.1.1. Create survey
    - 3.2.1.2. Conduct survey
      - 3.2.1.2.1. Survey students
      - 3.2.1.2.2. Survey faculty
      - 3.2.1.2.3. Survey staff
      - 3.2.1.2.4. Survey community
    - 3.2.1.3. Compile survey data
  - 3.2.2. Establish relationships
    - 3.2.2.1. Contact car charging CO.S
    - 3.2.2.2. Solicit bids
    - 3.2.2.3. Collaborate with SME
      - 3.2.2.3.1. Consult colleges
      - 3.2.2.3.2. Businesses
      - 3.2.2.3.3. Electrical engineer
  - 3.2.3. Meet operations requirements
    - 3.2.3.1. Implement signage
    - 3.2.3.2. Establish procedures
  - 3.2.4. Design
    - 3.2.4.1. Determine space
    - 3.2.4.2. Establish electrical conduction
- 3.3. Golf course
  - 3.3.1. Establish relationships with golf course
    - 3.3.1.1. Research contact information
    - 3.3.1.2. Schedule meeting with golf course Admin/owners

- 3.3.1.3. Draft agreement/contract with golf course
  - 3.3.2. Meet operations between EdCC and golf course
    - 3.3.2.1. Determine available parking spots for car charging station
    - 3.3.2.2. Establish car sharing for EVCS with golf course
    - 3.3.2.3. Establish permission for EdCC stakeholders to park ONLY EVCS cars in the golf course parking lot
- 4. Approvals/Permits
  - 4.1. EdCC
    - 4.1.1. Analyze survey
      - 4.1.1.1. Analyse golf course
      - 4.1.1.2. Analyze student
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    - 4.2.3. Determine golf course partnership
  - 4.3. County
    - 4.3.1. Determine what permits needed
    - 4.3.2. Get permits
  - 4.4. State
    - 4.4.1. Determine what permits needed
    - 4.4.2. Get permits

## **SUMMARY**

Our project stakeholder is Stephanie Teachman, the manager of facilities at Edmonds Community College. There is total support from Stephanie regarding the electric car charger, as well as the car share program, this has given our team the confidence that this project is feasible and can move forward through implementation.

The next steps for this project will mainly be about more detailed information gathering and delivery. This includes collectively organizing the classes information, and compiling said data in to a single document to be distributed to stakeholders.

To move forward the stakeholders will have to review our data/presentation and provide a definitive go/no-go vote of confidence with Edmonds Community college as a whole. This go/no-go will be attained by the stakeholders, by having them agreed with each other's requirements, as well as our own classes set of requirements that have been put forth in our final project presentation.

During the construction of the WBS, our team found contradictions to do with the part that corresponded to us. We had support from other teams to make the WBS, but in the end, we succeeded, and we managed to do it. We were able to realize this WBS, that it is a very complex exercise and that it needs a lot of detail and organization when carrying it out. However, it is a method that helps a lot to simplify the tasks and have a better knowledge of what we have to be carried out. It was a very good team exercise, because we could meet and have close contact with our other classmates. We learned and had fun, but above all, we learned how good this method can be when we are planning a project, and then we can do it in practice.