**Experiment 10**

**Identify the classes. Classify them as weak and strong classes and draw the class diagram for the faculty contribution management system.**

To design the class diagram for a faculty contribution management system, we first need to identify the classes involved. Here's a list of potential classes along with their categorization as weak or strong:

1. **Faculty:**
   * + **Attributes:** ID, name, email, department
     + **Class type:** Strong class
2. **Contribution:**
   * + **Attributes:** ID, title, description, date, type, status
     + **Class type:** Strong class
3. **Department:**
   * + **Attributes:** ID, name
     + **Class type:** Strong class
4. **Publication:**
   * + **Attributes:** ID, title, authors, date, type, status
     + **Class type:** Strong class
5. **Conference:**
   * + **Attributes:** ID, name, date, location, organizer
     + **Class type:** Strong class
6. **Journal:**
   * + **Attributes:** ID, name, publisher, impact factor.
     + **Class type:** Strong class
7. **Workshop:**
   * + **Attributes:** ID, name, date, location, organizer
     + **Class type:** Strong class
8. **Research Group:**
   * + **Attributes:** ID, name, faculty members
     + **Class type:** Strong class
9. **Administrator:**
   * + **Attributes:** ID, name, email, role
     + **Class type:** Strong class
10. **Contribution Type:**
    * + **Attributes:** ID, name
      + **Class type:** Strong class
11. **Status:**
    * + **Attributes:** ID, name
      + **Class type:** Strong class
12. **Author:**
    * + **Attributes:** ID, name, email
      + **Class type:** Weak class
13. **Reviewer:**
    * + **Attributes:** ID, name, email, expertise
      + **Class type:** Weak class
14. **Authorship:**
    * + **Attributes:** contribution \_id, author \_id, order
      + **Class type:** Weak class
15. **Review:**
    * + **Attributes:** contribution \_id, reviewer \_id, score, comments
      + **Class type:** Weak class

