General Information for This Template

- The Learning Journal is only required for teams participating in the following leagues/sub-leagues:
    - RoboCupJunior Leagues
        - RCJ Soccer Lightweight, Primary
        - RCJ Soccer Open (Team aged 13 and below)
        - RCJ Rescue Line, Primary
        - RCJ Rescue Maze (Team aged 13 and below)
        - RCJ OnStage Primary
    - RCAP CoSpace Leagues
        - RCAP CoSpace Autonomous Driving, U12
        - RCAP CoSpace Rescue, U12

- Use Learning Journal to record ideas, inventions, experimentation records, observations and all work details.
- Emphasizing on “how to” make it more informative and the thought process going into logging their own work.
- This template contains a suggested structure for your Learning Journal. You may only use the parts which are suitable for your own league/sub-leagues instead of including all parts as stated in the template.
- There is no page limit for the learning journal as the section 6 could contain may pages.
- All figures and tables should be properly numbered.
- Submit the learning journal as a **PDF file**.

ROBOCUP ASIA-PACIFIC 2025

LEARNING JOURNAL

(Cover Page)

League Name:	
Age Group:	
Team Name:	
Team Website:	
Participants and Technical Roles	
Team Photo	
Mentor Name:	
Institution:	
Region:	
Contact Person:	
Contact Email:	
Date:	

ROBOCUP ASIA-PACIFIC 2025

LEARNING JOURNAL

League Name

Team Name

Student 1, Student 2, …

(Region)

1. About the Team

- Team background, including website and video link (if you have).
- Provide a brief description of each team member's role, relevant past experiences, and their specific contributions to the team. Each description should be between 20 and 100 words.

2. Project Planning

- **What is your goal?**

  Explain what your team wants to achieve in the competition. What are you trying to build or solve?

- **What is your plan?**

  Describe how your team will work together to build your robot. What steps will you take and in what order?

3. Milestones

- **What are your milestones?**

  Talk about the important steps or goals your team completed while building your robot. For example, finishing the design, building the robot, testing it, or making it better.

4. Robot Structure and Program

- **Hardware (What the Robot Is Made Of)**
  - Describe the main parts of your robot. You can include drawings or diagrams to help explain.
  - What does each sensor and actuator do? (For example, a sensor might help the robot see a line, and an actuator might help it move.)
  - What kind of controller (like a micro:bit or Arduino) does your robot use?

- **Software (How You Programmed It)**
  - Use simple diagrams or flowcharts to show how your robot makes decisions or follows instructions.
  - How did you program the robot to finish the task?

- **Workability (How It Works)**
  - How does your robot do the job it was built for?
  - Can it finish the task it was designed for? Explain how well it works.
  - If you have more than one robot, explain each one separately.

5. Innovative Solutions

- Did your team come up with any clever or new ideas to solve the challenge? Explain them here.
- Did you use any AI tools like ChatGPT to help plan, design, or fix your robot? If yes, tell us how it helped. Please provide at least one specific example.

6. Learning Journal (This section could contain many pages)

Please refer to the last page of this document for details.

7. Acknowledgements

Say thank you to the people or groups who helped you during the project. This could include:

- Teachers or mentors
- Sponsors or funding support
- Other students or researchers
- Family members or friends who supported your work

8. References

List any websites, books, videos, or other materials you used to help with your project. Be sure to include:

- The name or title of the source
- A link (if it's a website)
- A short note on how it helped you

9. Appendix (Optional)

You can add extra information here that might be helpful or interesting, such as:

- Sample code
- Diagrams
- Robot specifications
- Test results
- Anything else that supports your work but doesn't fit in the main sections

Learning Journal (This section could contain many pages)

- **You should record all your original ideas, data, and diagrams related to your design in your learning journal during each activity.**
  You can use the template below to help you document each activity: -

Team: name of your team

Task: name of the task for today **Date:** date of the activity

Agenda:

- List of tasks for the day

Process:

- **Write down what you did and what you discovered today.**
  You can include things like:
  - Any changes you made to your program or design.
  - A new feature or problem you found that made things more complicated.
  - Any new ideas that made you change your original plan.
  - Interesting or surprising discoveries you didn't expect.
  - Anything else you learned or observed.
- **What AI tools did you use (if any)?**
  - Did you use tools like ChatGPT, image generators, or AI-based simulators?
  - How did they help you today? (e.g., solving a coding issue, getting ideas, checking your design)
- **List any references or resources you used.**
  For example:
  - Websites
  - Code examples
  - Diagrams
  - Data or tools you used

Issues	Solutions
List the issues need to be tackled for the day.	State the solution for each issue.

- **Write a short plan for what you will do next.**
  Think about what your next steps are. What do you want to test, fix, build, or learn in the next activity?