**General Information for This Template**

● The Learning Journal is only required for teams participating in the following leagues/sub-leagues:

o RoboCupJunior OnStage

− Preliminary – Primary

o RoboCupJunior Soccer

− Light-Weight – Primary

o RoboCupJunior Rescue

− Line – Primary

− Simulation – Primary

o RCAP CoSpace Autonomous Driving

− U12

o 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 2022**

**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 2022**

**LEARNING JOURNAL**

League Name

Team Name

Student 1, Student 2, …

(Region)

**1. Abstract the Team**

● Team background, including website and video link (if you have).

● Brief description of roles of each participant in the team and past experiences.

**2. Project Planning**

● Talk about your aim for the competition.

● Describe the overall project plan.

**3. Milestones**

● Explain your milestones.

**4. Robot Structure and Program**

● Hardware

o Give the main structure of each robot (you can use drawings and diagrams to support your explanations).

o Briefly explain the function of each senor and actuator used.

o Type of controller used in the robot.

● Software

o Use diagrams or flowcharts to explain how you program the robot to complete the task..

● Workability

o How does this robot work?

o Does the robot be able to complete the prescribed task?

● If you have multiple robots, state it one by one.

**5. Innovative solutions**

● Explain any innovative solutions/approaches you used to tackle the challenge.

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

● You should enter all original concepts, data, diagram for your design into your learning journal while having the activities. You can use the template below for each of your activity: -

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Team**: name of your team  **Date of the activity:** \_\_\_\_\_\_\_\_\_\_\_　　　　　　　　　　　　　  **Task**: name of the task for today  **Agenda**:  ● List of tasks for the day  **Process:**  ● Write down what you have done and what you have discovered for the day.  o A modification in a discovery algorithm.  o A new and complicating feature discovered.  o Other finding will result in a modified approach.  o Highlight interesting findings, especially those unexpected.  o etc  ● Indicate the reference used, such as web site, code examples, diagrams, other data used, etc.   |  |  | | --- | --- | | **Issues** | **Solutions** | | List the issues need to be tackled for the day. | State the solution for each issue. |   **What is the next**:  ● Brief planning for the next activity. |

**7. Acknowledgements**

● This could be someone from a sponsoring institution, a funding agency, other researchers, or even family members or friends who have helped in the preparation.

**8. References**

● References to external sources used for major parts of the development process.

**Appendix (optional)**

● Any additional information you wish to include, such as sample code, robot specifications, etc.