



Association of Computer Engineering Students

Department of Computer Engineering

Faculty of Engineering

University of Peradeniya

Email: aces@eng.pdn.ac.lk

APPLICATION FORM - ACES PROJECT FUND

The project fund is set up by ACES with the help of donations from ACES Alumni. It is managed by a committee appointed by ACES and the members are ACES executives and the Head of the Department.

CONTACT INFORMATION

(Before you fill this, please read the whole content in the form.)

1. Full names of the applicants	1.K.G.M.Madhushanka..... 2.H.M.K.D. Bambaragama..... 3.S.T.D. Abrew..... 4.U.I. Wickramaarachchi..... 5.S.P.M. Witharana.....
2. Lead's name	K.G.M.Madhushanka
3. Email Address	e19226@eng.pdn.ac.lk
4. Contact No.	0711519978

INFORMATION ABOUT THE PROJECT

1. Project title	3D LED Cube Holographic Display
2. Project description:	Experience the future of interactive entertainment with our 3D LED Holographic Display. This innovative device goes beyond traditional displays, offering users the ability to showcase 3D Objects, engaging animations. Users can join our collaborative platform and connect, share their creativity, and get inspired by others. Users hold the reins, deciding how to wield the cube's versatile display.

3. What are the project goals and how they will be reached	Our project aims to create an innovative 3D display system capable of rendering diverse 3D objects and graphs. This involves designing and building functional LED Cubes in size 16x16x16, implementing mapping algorithms, and creating rendering functions for versatile 3D displays. The project strives to offer a seamless user experience through a user-friendly interface, with the online platforms. Additionally, security features will be incorporated to ensure the safe handling of user data. By combining hardware and software development, the project seeks to showcase the LED Cube's capabilities through impressive 3D visualizations while maintaining robust functionality and security.
4. What are the risks that would have an impact on the successful delivery of the project and what is your plan to overcome them?	The LED Cube project faces potential risks that could impact successful delivery. Challenges in hardware development, software complexity, and user interface design may arise. To mitigate these, thorough research, prototyping, and unit testing are planned for hardware and software components. User-friendly interfaces will be developed through iterative user testing, and robust backend systems will be implemented and regularly maintained. Security concerns will be addressed with secure authentication and encryption measures. Continuous risk assessment and adaptive mitigation are integral components of the project plan to ensure successful outcomes.
5. Project type	<ul style="list-style-type: none"> • Coursework - course name:CO300..... • Competition- name of the competition: • Hobby • Other: Specify:
6. The expected starting date	2023-11-10
7. When will your project be completed	2024-02-02
8. How much will it cost to complete the project? Attach a detailed budget (estimated cost of equipment) and clarify the requirements of the purchasing equipment. (Note: Applications submitted without this information cannot be considered for funding)	
Project Lead : I hereby confirm the above-mentioned information is accurate as per my understanding.	
..... Date Signature of the Lead

OFFICIAL USE: APPROVAL FOR THE PROJECT

Name of the Lecturer In-charge			
<p>I recommend/do not recommend the project. Reason for recommending/not recommending:</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p>			
..... Date	 Signature	
<p>Head of the Department: I recommend/do not recommend the project.</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p>			
..... Date	 Signature	
<p>The ACES project committee decision: Fund approved/not approved. Reason if not approved:</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p>			
<p>The date on which the bills are to be settled: The date on which the report to be submitted:</p>			
..... Senior Treasurer The HoD ACES President A member

PROVISION OF FUNDS

Junior treasurer of ACES:

The amount of Rs. is handed over to
..... on

.....

Date

.....

Signature

The receiver of funds:

I hereby accept that I received the sum of Rs. for my project titled
..... and will submit the bills on or before and will
submit the report of the project on or before

.....

Date

.....

Signature