URCA Grant Budget Form

Student Name *For group projects, primary contact.*	Perm Number
Aditya Vaswani	A4M7P17
Faculty Mentor Name	**Faculty Mentor Home Department**
B.S. Manjunath	Electrical and Computer Engineering
Project Title	
Research of Autonomous Driving Capabilities Utilizing Computer Vision in a Formula SAE Vehicle	

Expected Expenses Incurred by Student
Expenses that the student will pay for themselves with funds sent to BARC.

Item	Justification	Supplier	Cost
Car Chassis	Full chassis kit to hold all hardware	Tamiya USA	$489.00
Brushless Electronic Speed Controller	Allows all of the motors speed and direction to be changed	Trampa Boards	$249.00
Brushless Motors	Motors for the car to run	Hobbywing	$396.00
Servo Motor	Servo motor for steering	Reedy	$154.00
WiFi Antenna	Communicates with computer	Radio Master	$11.99
Batteries + Charger	Powers motors, servo, controller + camera and compute system	Traxxas	$269.95
Power Connectors	Connect/extend motors and controller	Amazon	$12.99
Aluminum Sheet	Make holding brackets	MakerStock	$46.95
Fireproof Battery Bags	In case batteries overheat	Amazon	$13.99
Power Distribution Board	To plug in batteries and electronics	GoBilda	$24.99
Standoffs and Fasteners	Secure extra mounts and brackets	Home Depot	$30.00
Vibration Dampening Pads	To reduce camera shake	Voomi Supply	$18.99
3D Printer Filament	To print mounts for hardware	Bambu Labs	$69.98

	Student Expenses Subtotal	$1,787.83

Expected Expenses Incurred by Department
Expenses the faculty mentor's department will purchase on behalf of the student.

Item	Justification	Supplier	Cost
		Department Expenses Subtotal	$

URCA Colloquium Poster Printing at SBPrinter.com
Students who wish to have their Colloquium poster printed at the group rate must request $25 here.

Poster Printing at SBPrinter.com		$25
	Poster Subtotal	$ 25

Total Amount Requested
Add up the subtotals for "Department Expenses," "Student Expenses," and "Poster." This total may not exceed $750 for individual student projects or $500 per student in group projects.

$1,812.83