UNIVERSITY OF JAMMU
UTILIZATION CERTIFICATE FOR RESEARCH GRANT
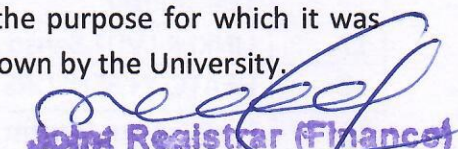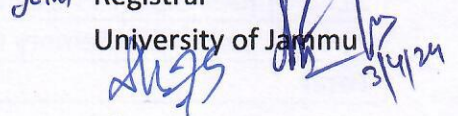
Name of Faculty	:	Prof. Lalit Sen Sharma
Designation	:	Professor
Date of Birth	:	12.04.1969
Department/Centre/Institute	:	Computer Science and IT
Area of Research (in Bold)	:	**Internet of Things (IoT)**

Details of funding requested under heads	Amount Approved	Expenditure Incurred
(a) Hiring of Services/Honorarium for experts	Nil	Nil
(b) Equipment (Repair) or any accessory of needed to the existing equipment	Nil	Nil
(c) Purchase of Minor Equipment	Rs. 2,00,000/-	Rs. 1,99,963/-
(d) AMC's of existing Equipment	Nil	Nil
(e) Consumables/Chemicals/Glassware etc.	Nil	Nil
(f) Contingency	Nil	Nil
(g) Field work	Nil	Nil
(h) Any other item	Nil	Nil

It is certified that the grant of Rs. 2,00,000/- (Rupees Two Lacs only) received from the University under RUSA for Research and Seed Grant vide Order No. RA/23/7391-93 dated January 24, 2023 and out of which an amount of Rs. **1,99,963.00**/- (Rupees One Lac Ninety Nine Thousand Nine Hundred Sixty Three only) has been utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.

Prof. Lalit Sen Sharma
Principal Investigator

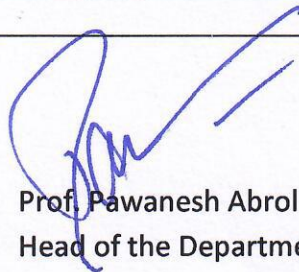Prof. Pawanesh Abrol
Head of the Department

Joint Registrar
University of Jammu

Joint Registrar (Finance)
University of Jammu

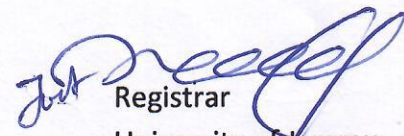**Statement of Expenditure under Purchase of Minor Equipment**

S. No.	Item	Qty	Amount
1	autonics ABS plastic housing Photoelectric Sensor, Range Excess gain of 2 at 213 m (700 ft)	1	2880.00
2	Robu. in - ORANGE Advance Kit For sensor	1	1699.00
3	Robu. in - SG 90 9G Mini Micro Servo plastic gear - 1119239	4	2080.00
4	Robu.in Other NA Onboard Switches Microcontroller Educational Kit	2	300.00
5	Robu.in Other Others Onboard Switches Microcontroller Educational Kit	2	300.00
6	Robu.in LED interfacing and LCD interfacing NA Onboard Switches Microcontroller Educational Kit	4	600.00
7	Robu.in Keyboard interfacing and LCD interfacing and Relay interfacing and Other Others Onboard Switches Microcontroller Educational Kit	1	299.00
8	Robu. in - TP4056 1A Li-Ion Battery Charging Board Micro USB with Current Protection - 44232	2	300.00
9	Robu.in Other NA Onboard Switches Microcontroller Educational Kit	2	300.00
10	Robu.in Other NA Onboard Switches Microcontroller Educational Kit	1	260.00
11	Robu.in Other 8 Onboard Switches Microcontroller Educational Kit	1	799.00
12	UniConverge Technologies--UNICONVERGE TECHNOLOGIES PRIVATE LIMITED Internet of Things (IoT) Lab Kit - Gold Kit	1	24700.00
13	ewit Optical Sensors or Motion Detectors	3	21000.00
14	DC Inductive Proximity Sensor	4	24000.00
15	RDL Connected Intelligence	2	18618.00
16	Danfoss 316 SS IP 65 piezoresistive Sensor Digital Pressure Transmitter	4	23400.00
17	LINKER LVDT Senso	1	15799.00
18	HEATCON SENSORS	5	25000.00
19	Training Equipment for Robotics	1	22500.00
20	Arduino 400 megaHertz	3	3000.00
21	RASPBERRY PI Quad A53 FPGA	1	10000.00
22	ewit 8 GB Memory Card	3	2129.00
Total			**199963.00**

Prof. Lalit Sen Sharma
Principal Investigator

Prof. Pawanesh Abrol
Head of the Department

Registrar
University of Jammu