



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

Approved by AICTE, NEW DELHI. Affiliated to JNTUK, KAKINADA

(Accredited by NAAC with "A" Grade and NBA [(ASE, CE, CSE, IT, ECE, EEE & ME) under Tier-I])

An ISO 21001: 2018, 14001:2015, 50001: 2018 Certified Institution

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Sanction Order

Date: 15th June 2026.

File No.: LBRCE /R&D/2025-26/Seed/07

To

Mr.Maheswara Kishore Kumar (PI), Assistant Professor, Dept. of AI & DS
LBRCE, Mylavaram

Sub.: Financial Sanction of Rs. 2,05,000/- towards Seed Money for Project Proposal-Reg.

Ref.: Call for Research Proposals under Seed Money Scheme.

Based on the recommendations of expert evaluation committee, I am pleased to inform you that your project proposal for seed money assistance has been recommended and sanctioned an amount of **Rs. 2,05,000/-** (Two Lakhs Five Thousand Rupees Only) for the project titled **"Helmet Prediction in Traffic Using Yolo"** for the period of one year. You are required to carry out the project along with your mentor. You need to submit the Progress Report for every three months.

1. The following budget is sanctioned to the PI.

S. No.	Item	Particulars	Amount (Rs.)
1.	Equipment (Make, Model etc.)	Raspberry Pi 5 (8GB RAM)- Quad-core ARM Cortex-A76 @ 2.4 GHz, Dual 4K HDMI output, USB 3.0, Gigabit Ethernet, suitable for edge AI processing and real-time traffic analysis	45,000
		HD Camera Module- 12MP Sony IMX708 sensor, 1080p & 4K video support, wide field of view, CSI interface, compatible with Raspberry Pi 5	10,000
2.	Software tool (Make, version etc.)	YOLO V8, GUI Dashboard & LED Interface	10,000
3.	Consumables	Cables, connectors, SD cards, power supply units, mounting accessories, and miscellaneous electronic components required for setup and testing	20,000
4.	Contingencies	Traffic Model Development & Testing- Dataset preparation, model training, hyper parameter tuning, validation, performance optimization, backup storage, and unexpected technical expenses	20,000

		32-43 inch outdoor readable, 1000-2000 nits brightness, HDMI input	35,000
		Relay / Signal Controller Module (5V/12V relay withGPIO interface)	5,000
		Google Coral TPU / Intel Neural Compute Stick	18,000
		UPS / Battery Backup	8,000
		Weatherproof Outdoor Box	7,000
		Wi-Fi/4G Module (Remote monitoring connectivity)	5,000
		External SSD / HDD	6,000
		Traffic Pole Mount & Frame	6,000
5.	Travel		10,000
Total Estimated Budget			2,05,000

- The PI is informed to maintain proper accounts of the expenditure out of the grant, which shall be utilized only on proposed items through proper channel.
- The PI is required to submit the Statement of Expenditure (SE), Utilization Certificate (UE) in the prescribed format along with copies of invoices/bills and Project Completion Report [PCR] with all the outcomes from the project in line with the proposed objectives within one month after completion of project duration.
- The PI may refund any unspent balance to L.B.R.C.E immediately after the completion of stipulated period of project.
- The Project File No.: LBRCE/R&D/2025-26/Seed/07 should be mentioned in all communications arising from the above project to the R&D Office, L.B.R.C.E.
- The PI should ensure that the technical support/financial assistance provided to them by L.B.R.C.E should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.
- The PI should acknowledge the support provided to them in all Publications, Patents and any other output emanating out of the project funded by LBRCE

Name of the Mentor: Dr. P. Bhagath, Professor & HoD,
Department of AI & DS.


Principal
(Dr.K.Appa Rao)

Copy To

- 1) The President Sir for kind information**
- 2) Vice Principal**
- 3) Dean R&D**
- 4) The Head, Dept. of ECE**
- 5) Dr. P. Bhagath, Professor**