



# HIMALAYA COLLEGE OF ENGINEERING

(Affiliated to Tribhuvan University)



Ref. No.:

Date: 2082/04/20 (Tue.)

## **Update on "HCOE Mini-Research Projects-2082"**

The Himalaya College of Engineering (HCOE) has recently taken an important initiative to encourage and engage its faculties and students in academic research activities. Under this initiative, the Research Management Cell (RMC) at HCOE called for proposals of "Mini-Research Projects" to be funded by HCOE through open notices. By the extended deadline for proposal submission (2082/03/32), a total of seven (7) proposals have been received.

The submitted "Mini-Research Proposals" will now be assessed through PowerPoint presentations as per the given guidelines. A four-member team consisting of an external expert, the concerned academic department head at HCOE and two senior RMC members has been formed to assess the submitted proposals. The presentation schedule of the submitted research proposals will be notified to the lead/principal applicants soon. The lead/principal applicants have recently been informed about this together with proposal assessment criteria and presentation guidelines.

A synopsis of the submitted proposals under "Mini-Research Projects-2082" is provided on the following page. Please contact RMC (**research@hcoe.edu.np**; **9863191402**) if there are any questions in this regard.

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Himalaya College of Engineering  
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Research Management Cell (RMC)  
**Mini-Research Projects-2082**

A synopsis of proposals received by the extended deadline of 2082/03/32 (Wednesday) for the "Call for Proposals for Mini-Research Projects" to be funded by the Himalaya College of Engineering is given below.

<i>S.N.</i>	<i>Proposal Title</i>	<i>Lead Applicant (Faculty)</i>	<i>Team Members (Students)</i>	<i>Academic Department</i>
1	Understanding the Complexity of Play in the Public Spaces of Core Area of Patan, Nepal.	Ar. Sadichchha Shrestha	Anjana Basnet, Basanta Neupane, Bipana Acharya, Krishma Kandel.	Architecture
2	IOT-Based Seed Vending Machine for Smart Agriculture.	Er. Ijhar Khan	Student team members not disclosed	Electronics & Computer
3	MediMate: IOT-Based Smart Medicine Dispenser for Timely & Safe Medication.	Er. Ijhar Khan	Naveen Sharma Kharel, Keshav Raj Chaudhary, Mridul Sharma, Nischhal Rijal	Electronics & Computer
4	A Bias-Corrected Satellite Data Approach for Flood Estimation in Data-Scarce Regions Using IDF Curves.	Er. Simanta Dhuntel/Er. Aditya Gyawali	Pratik Subedi, Prince Sharma, Sagar Aryal, Sudip Subedi	Civil Eng.
5	Experimental Testing of Brick Masonry Wall to Assess Mechanical Properties.	Er. Rabin Thapa	Prabesh Paudel, Prashant Rai, Sandesh Bhattarai, Yaman Oli	Civil Eng.
6	Mitigating Urban Flooding Through Groundwater Recharge: A Case Study in Kathmandu, Nepal.	Dr. Shanti Kala Subedi	Sujal Adhikari, Pratik Bhatta	Civil Eng.
7	Blood Bank Management System: A Smart Solution for Blood Collection, Availability Tracking, and Data-Driven Health Insights.	Er. Himat Chand Thapa/Er. Nirajan Dhaurali	Abhay Raj Shrestha, Shubekshya Shrestha	Dept. of IT

