



**MACHAKOS UNIVERSITY**  
**OFFICE OF THE DEPUTY VICE-CHANCELLOR**  
**(RESEARCH, INNOVATION AND LINKAGES)**

*A Preferred University of Excellence in Scholarship and Service Delivery*

## **Machakos University Students' Innovation Challenge**

**Third Call for Students' Innovation Proposals, 2019/2020**

**THEME: RESEARCH, INNOVATION AND TECHNOLOGY FOR INDUSTRIAL GROWTH AND SUSTAINABLE DEVELOPMENT**

### **1. INTRODUCTION**

Machakos University Student's Innovation Challenge is an annual call that seeks to offer student opportunities to make solid contributions towards socio-economic growth and sustainable development. The challenge is an opportunity for Machakos University students to strengthen their innovation and entrepreneurial skills. Students are asked to submit proposal(s) formulated in line to the theme as provided in the call. A panel then selects finalists from all the received application, who are invited to pitch their ideas to a select audience and thereafter make funding decisions.

### **2. SUB-THEMES**

- a. Agriculture, food and nutrition security;
- b. Health, Sports and Tourism; (Hot topic: Cancer)
- c. Education and Ethical issues in research and product development.
- d. Housing, Transport, Energy and Industrialization;
- e. Environment, Natural resources and Climate change;
- f. Mathematics, Statistics & Data Science; Basic and Applied Sciences;
- g. Language, Culture, Social Equity and Governance;
- h. Business, Entrepreneurship and SMEs;

### **3. ABOUT THE THIRD CALL FOR STUDENT INNOVATION PROPOSALS**

Under the theme: Research, Innovation and Technology for Industrial Growth and Sustainable Development, students are invited to submit proposals for Innovation projects that are driven by societal challenges within the thematic scope of this call. The Call seeks to support Innovation proposals with strong potency towards catalyzing investment and innovation to create new economic opportunities as well as expanding the existing ones.

Applicants need to demonstrate their ability to exploit Research, Innovation and Technological potential to support a robust Industrial Growth for sustainable development. And also to give details in their proposal on how such innovation will contribute to at least one of the Kenya's Big Four Agenda.

#### **4. OBJECTIVES OF THE CALL**

The objectives of this call are to:

- i. Promote students' creativity and participation towards social and economic development
- ii. Generate tangible prototypes and proven services to increase the university competitiveness in innovation
- iii. Provide an opportunity for students to actualize and patent their innovations.
- iv. Contribute towards the realization of the national, regional and global agenda

#### **5. PERIOD OF FUNDING**

Each proposal will be funded for a period of up to 1 year. Successful applicants are expected to adhere to their approved budget, work plan and expected project completion date.

#### **6. PROPOSAL SUBMISSION**

A soft copy and three (3) copies of the proposals should be submitted to the Director, Research, Innovation and Technology, not later than **30<sup>th</sup> September, 2019**. Incomplete applications as well as applications submitted after the deadline will not be considered. Soft copies should be submitted through the email address: [director-research@mksu.ac.ke](mailto:director-research@mksu.ac.ke) and copied to [registrar-ril@mksu.ac.ke](mailto:registrar-ril@mksu.ac.ke)

#### **NOTE:**

- Students are encouraged to collaborate and apply as pairs or small groups from different disciplines. The lead innovator in this case should be identified.
- The application forms are available at Machakos University website: [www.mksu.ac.ke](http://www.mksu.ac.ke) students' portal
- Each application must be signed by a supervisor and endorsed by the Chairman of Department and School where principal innovator belongs.
- Each proposal will be supported with a maximum budget of **KES. 100,000/=**.

## **7. PROPOSAL FORMAT**

Applicants are required to fill the application form attached to this calls or download from students portal under [www.mksu.ac.ke](http://www.mksu.ac.ke). The form should be filled in Times New Roman, font size 12. It must contain the following sections dully filled as outlined in the application form: - (i) Title of the project (ii) Principal Innovator (iii) Co-Innovator(s) (iii) Background information (iv) Summary Description of Innovation (v) Advantages and Unique Features of the Innovation (vi) Sale of the Innovation (vii) Innovation History (viii) Declaration

## **8. ELIGIBILITY**

This is a competitive innovation grant managed by Machakos University's Division of Research, Innovation and Linkages (RIL) through the Directorate of Research, Innovation and Technology (DRIT). To be eligible:

- a) The applicant must be a bona fide student of Machakos University.
- b) The proposals must demonstrate:
  - i. Contribution towards new/improved quality product
  - ii. Contribution towards improved production processes
  - iii. Potential for patenting
  - iv. Positive impact to the society.
- c) Students with on-going Machakos University funded innovation projects are not eligible.
- d) Applications must be received before/on the stated deadline at 5 pm.