



MACHAKOS UNIVERSITY

A Preferred University of Excellence in Scholarship and Service Delivery

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

Second Call for Staff Innovation Proposals – 2019/2020

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

1. INTRODUCTION

Innovation is the process by which ideas are transformed into new/improved products/services/processes. It leads to improvement in productivity, in efficiency and in quality of products leading to increased economic growth.

The current national, regional and global focus is to expand economic opportunities through increased investment and innovation. As the world economies grow, it is imperative that this growth is achieved in a sustainable manner. The second call for innovation proposals is focusing on the theme of Research, Innovation and Technology for Industrial Growth and Sustainable Development and is therefore meant to provoke the applicants to come up with innovation projects that can mitigate the emerging dynamics of the needs of the world's growing population.

This call seeks proposals of Innovations that support innovation and entrepreneurial skills technologies to ensure utilization of natural resources in an environment sensitive manner while fostering contributions towards socio-economic growth and sustainable development.

The innovation should be in line with the national priorities as envisaged in the Kenya Big Four Agenda and Kenya vision 2030, as well as the sustainable development goals.

2. OBJECTIVES OF THE CALL

The objectives of this call are to:

- i. Promote Machakos University staff creativity and contribute towards the realization of the national, regional and global agenda
- ii. Generate tangible prototypes and proven services to increase the university competitiveness in innovation
- iii. Provide an opportunity for Machakos University staff to actualize and patent their innovations.

3. 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;

4. GENERAL GUIDELINES

- a) Each proposal will be funded for a period of up to 1 -year subject to submission of satisfactory progress reports and financial accounting.
- b) Each proposal will be supported with a maximum budget of **KES. 100,000/=**.
- c) The proposals should be endorsed by the chair of the school research committee.
- d) Proposals by departmental/faculty teams will be given priority.
- e) Where the innovation proposal is from a team, the principal innovator should be clearly stated and all members of the team must endorse the proposal.
- f) Any supporting documents should be provided as appendices.
- g) The budget should be clearly itemised and justified in the following budget lines
 - i. Consumables/expendable supplies
 - ii. Equipment
 - iii. Local travel
 - iv. Extra personnel
 - v. Documentation
 - vi. Commercialization
 - vii. Any other costs
- h) Any proposal that is being developed elsewhere should not be submitted for this Call. Only original work should be submitted, plagiarism is highly discouraged.

- i) Successful applicants are expected to adhere to their approved budget, work plan and expected project completion date.

5. PROPOSAL FORMAT

Application forms (staff innovation disclosure form) are available at Machakos University website: www.mksu.ac.ke The application 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

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 **30th 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 and copy to dvc-ril@mksu.ac.ke

7. 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 staff of Machakos University
- b) The proposal 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.

This 2nd Call for Staff Innovation Proposals, 2019/2020 is OPEN to all Staff of Machakos University including those with on-going Machakos University funded projects.

**APPLICATIONS MUST BE RECEIVED BEFORE/ON THE STATED
DEADLINE AT 5PM**