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No.15/CUST/ORIC/2019

Sep 02, 2019

9th ORIC Research Committee Meeting

Minutes of the meeting held on 31st July, 2019

The 9th ORIC Research Committee meeting was held on Wednesday July 31, 2019 in the Workshop Room, B-Block at 2:00 PM.

Prof. Aamer Iqbal Bhatti, Dean Research & Innovation, chaired the meeting.

The following members attended the meeting.

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|-------------------------|---------------------------------|--------|
| Dr. Abdul Rahman Kashif | Associate Professor (Math Dept) | Member |
| Dr. Majid Ali | Associate Professor (CE Dept) | Member |
| Dr. Sahar Fazal | Associate Professor (BI Dept) | Member |
| Dr. Khawar Naveed | Assistant Professor (ME Dept) | Member |
| Dr. Muhammad Azhar | Associate Professor (CS Dept) | Member |
| Dr. Muzaffar Asad | Assistant Professor (MS Dept) | Member |

Dr. Umer Amir Khan didn't attend the meeting due to personal commitments while Dr. Mahboob Alam was on Hajj leave.

Dr. Lakhi Muhammad also attended the meeting for a discussion over the commercialization aspects of students final year projects.

Dean Research & Innovation welcomed the committee members. Subsequently, the meeting progressed as per agenda items listed below.

Item 01 Commercialization of Business Case FYPs Action By

1.1 Dean Research & Innovation apprised the members about the commercialization aspects of five business case FYPs funded by university in a competition organized by ORIC. The following projects were conversed in detail taking in consideration their commercial aspects.

- (a) Off-Grid Automatic Egg Incubator
- (b) Design & Fabrication of Automatic Solar Tracker with Panel Cleaning and Cooling System
- (c) Blindroid
- (d) AL-FUNOON
- (e) Prosthetic Hand Using Brain Pulses

1.2 After a detailed discussion following two projects were considered to be pursued further.

- Blindroid
- Off-Grid Automatic Egg Incubator

Item 02 Commercialization aspects of "Blindroid"

2.1 The discussion started over the commercialization prospects of Blindroid which is a system developed by CS students for blind and visually impaired people. Dean Research & Innovation said that the particular system should be designed with minimum hardware requirements to facilitate the vision impaired people in maximum.

2.2 Dr. Muzaffar Asad proposed that we can involve NGOs for free launch of our product in the market which would also fulfill social cause.

2.3 Dr. Lakhi Muhammad gave suggestions about the promotional aspects of the project. He told that initially we can provide it free of cost to the people but can also earn money through online advertisements at the same time.

2.4 It was decided that the particular students working on the given project would be called through ORIC for a small demonstration to address the ambiguities.

Item 03 Commercialization aspects of "Off-Grid Automatic Egg Incubator"

3.1 Dean Research & Innovation updated the members that the given project is designed for the cottage industry and is quite affordable for the target customers costing around 56,000 PKR each unit with high hatching rate due to homogenous conditions provided by the system.

3.2 It was decided that the particular students working on the given project would be called through ORIC for a small demonstration for further understanding of technical and commercial aspects of their project.

Item 04 Pakistan Science Foundation (PSF) Competitive Research Grant

- 4.1 Dean Research & Innovation informed the committee members about the "Competitive Research Programme" initiated by Pakistan Science Foundation (PSF) for research proposals of engineers, scientists and technopreneurs. He provided the details of the particular programme and asked the members to submit at least one proposal from their respective department in PSF Research Grant Programme. Research Committee Members/ ORIC
- 4.2 Dean Research & Innovation suggested Dr. Majid Ali to compose a research proposal for their "Light Weight Plastic based Project" and assured that ORIC would fully assist it. Dr Majid informed the members that an MS research thesis has already been done on the particular project. Dean ORIC proposed that the mentioned thesis can be helpful in proposal write up. It was agreed to continue the work on the given project.

Being no further item for discussion the meeting was adjourned with a vote of thanks the chair and participants.

Prepared by

Muhammad Raheel Anjum
Assistant Director ORIC

Approved by:

Prof. Aamer Iqbal Bhatti
Dean Research & Innovation

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