Important Information for participation in Horizon 2020

COMSATS Institute of Information Technology (CIIT) is validated by the European Commission for participation in the Horizon 2020 and Erasmus+ programs of the European Union.

Important information to be used for submitting projects to the European Union is as follows:

- **Legal Entity:** COMSATS Institute of Information Technology (CIIT)
- **Participant Identification Code (PIC):** 946627851
- **Legal Entity Authorized Representative (LEAR):** Dr. Tariq-Ur-Rahman (Advisor, German Desk, International Office, COMSATS Institute of Information Technology).
  Email: tariqurahman@comsats.edu.pk
Purpose of Pamphlet

Each year, there are many funding/scholarships opportunities available all over the world but which are unfortunately left untapped due to lack of awareness. For sensitizing the potential beneficiaries, the International Office at CIT has initiated a series of pamphlets/booklets for providing important information about such opportunities. This booklet is about the opportunities open under Horizon 2020.

What is Horizon 2020?

Horizon 2020 is the biggest EU Research and Innovation programme ever, with nearly 80 billion Euros of funding available over 7 years (2014 to 2020).

Horizon 2020's aim is to promote joint high-profile scientific projects. The projects will be carried out through collaborative consortia between non-EU states and EU science and technology partners.

Opportunities under Horizon 2020

Introduction

Horizon 2020 has three types of grants:

1) Collaborative
2) Individual
3) Mobility based (including post-docs)

For collaborative grants there should be a minimum of three European partners.

Information about open calls is available at: (http://ec.europa.eu/programmes/horizon2020/en)

N.B. Pakistani beneficiaries will not be able to submit proposals on their own. The proposals will be submitted by their European counterparts.

Marie Skłodowska-Curie Actions (MSCA)

Marie Skłodowska-Curie Actions (MSCA) offer paid positions for PhD applicants within MSCA projects in any discipline, in universities, research centres and companies involved in the MSCA projects.

Objectives

The objective of the MSCA is to support the career development and training of researchers with a focus on innovation skills in all scientific disciplines through worldwide and cross-sector mobility. For this, the MSCA provide grants at all stages of researchers' careers, from PhD candidates to highly experienced researchers, and encourage transnational, intersectoral and interdisciplinary mobility. The MSCA will become the main EU programme for doctoral training, funding 25,000 PhDs.

1. Innovative Training Networks (ITN): Support for Innovative Training Networks

Types of Trainings

- European Training Networks (ETN)
- European Industrial Doctorates (EID)
- European Joint Doctorates (EJD)

The research training programmes provide experience outside academia, hence developing innovation and employability skills.
European Training Networks (ETN)

Aim: The aim is for the researcher to experience different sectors and develop their transferable skills by working on joint research projects.

Duration: At the level of the organisation, the maximum duration of an ITN project is four years.

Who can apply?
- Joint research training, implemented by at least three partners from in and outside academia.
- The organisations should be established in at least three different EU or associated countries.
- Additional participants from any organisation anywhere in the world can also join a network.

How to apply? Proposals are submitted in reply to a call for proposals.

Further information

European Industrial Doctorates (EID)

Aim: The aim is for the doctoral candidates to develop skills inside and outside academia that respond to public and private sector needs.

Who can apply?
- A minimum of three academic organisations form a network with the aim of delivering joint, double or multiple degrees. Joint supervision of the research fellow and a joint governance structure are mandatory.

Further information

2. Individual Fellowships (IF): Support for Experienced Researchers Undertaking Mobility Between Countries, Optionally to The Non-academic Sector

Types of scholarships:
- European scholarships
- Global scholarships

How to apply? Proposals are submitted in reply to a call for proposals.

Further information
Who can apply?

- Only experienced researchers can apply. This means you will have your doctoral degree or at least four years’ full-time research experience by the time of the call deadline.

Duration: Global Fellowships from two to three years.

How to apply? Proposals are submitted in reply to a call for proposals.

Further information:
http://ec.europa.eu/research/mariecurieactions/aboutmsca/actions//index_en.htm

3. International and Inter-sectoral Cooperation Through the Research and Innovation Staff Exchanges (RISE)

Aim: RISE will support short-term mobility of research and innovation staff at all career levels, from the most junior (post-graduate) to the most senior (management), including also administrative and technical staff.

Who can apply?

- Proposals should include at least three partners, which can be universities, research institutions, or non-academic organisations.
- Small and medium-sized enterprises (SMEs) are encouraged to participate.
- Partner organisations should be from three different countries. At least two of these should be from the EU or associated countries.
- Partners from elsewhere in the world can also join.
- If the exchange happens between the EU or associated countries it must be intersectoral.

Duration: Funding for a RISE project can last up to four years.

How to apply? Proposals are submitted in reply to a call for proposals.

Further information:
http://ec.europa.eu/research/mariecurieactions/aboutmsca/actions/risen/index_en.htm

4. Funding of Regional, National and International Programmes that Finance Fellowships Involving Mobility to or from another Country

Aim: This action is meant for organisations that fund or manage doctoral programmes or fellowship programmes for researchers.

Who can apply?

- Each COFUND proposal should have a sole participant, which could be a government ministry, regional authority, funding agency, university, research organisation, research academy or enterprise.
- Experienced researchers apply directly with the funding organisation while doctoral candidates can find vacancies of co-funded programmes on Euraxess.

Duration: Selected programmes will receive co-funding for three to five years up to a total amount of €10 Million.

How to apply? Proposals are submitted in reply to a call for proposals.

Further information:
http://ec.europa.eu/research/mariecurieactions/aboutmsca/actions/cofund/index_en.htm

Future and Emerging Technologies, Joint Research Programme (FET)

Under Horizon 2020, FET actions have been allocated a provisional budget of €2.696 million euro.

The FET Programme has three complementary lines of action.

- FET Open
- FET Proactive
- FET Flagships

1. FET Open

Aim: FET Open supports early-stage research on any idea for a new technology. There are no pre-defined themes. It encourages scientists and engineers from multiple disciplines to work together on game-changing science and technology research, expanding well beyond the traditional technological disciplines.

FET Open will receive 40% of the total FET budget in Horizon 2020.
addressing grand Scientific and Technological (S&T) challenges. They are long-term initiatives bringing together excellent research teams across various disciplines, sharing a unifying goal and an ambitious research roadmap on how to achieve it.

Who can apply?
Scientist/Researcher, Junior Scientist

How to apply? Proposals are submitted in reply to a call for proposals.

Further information: