Date and Time	Topic	Faculty
Sun, 1 Mar. 2020, 5:30-7:30 PM	Introduction to Biological and Chemical Sensors	Prof. Pedro Estrela and Prof. Gorachand Dutta
Mon, 2 Mar. 2020, 5:30-7:30 PM	Impedance-based Biosensors	Prof. Pedro Estrela
Tue, 3 Mar. 2020, 5:30-7:30 PM	Electrochemical DNA Sensors	Prof. Pedro Estrela
Wed, 4 Mar. 2020, 5:30-7:30 PM	Biologically-Sensitive Field-Effect Transistors	Prof. Pedro Estrela
Thu, 5 Mar. 2020, 5:30-7:30 PM	Different Lab-on-a-Chip devices for biomedical diagnostics and environmental monitoring	Prof. Pedro Estrela
Fri, 6 Mar. 2020, 5:30-7:30 PM	In vitro detection of drugs, DNA, proteins, bacteria and cells for point-of-use healthcare and environmental applications.	Prof. Pedro Estrela and Prof. Gorachand Dutta

Guest Faculty List:

Prof. Pedro Estrela (Visiting International Faculty under SGR International faculty/expert outreach program), PhD, is the Professor of Department of Electronic & Electrical Engineering, University of Bath, United Kingdom (UK), a world leader in the field of electrochemical label-free biosensors. He has strong expertise in impedance-based sensors, biologically-sensitive field-effect transistors and aptamer-based biosensors for the in vitro detection of drugs, DNA, proteins, bacteria and cells for point-of-use healthcare and environmental applications. He is the Director of the Centre for Biosensors, Bioelectronics and Biodevices (C3Bio), Theme Leader for Healthcare Technologies at the Centre for Sustainable Chemical Technologies, Theme Leader for Sensors and Data at the Water Innovation and Research Centre, member of the Executive team of the Centre for Therapeutic Innovation, He has over 125 publications (h-index: 24) and has secured over £3M in research income.
Please see Annexure-I (**attached**).
Professor Pedro Estrela will visit our campus from March 1, 2020 to March 7, 2020.

Annexure-I

Office of the Dean, International Relations
Indian Institute of Technology Kharagpur

Date: 02 January 2020

Ref: Application for inviting **Dr. Pedro Estrela,** Director of Centre for Biosensors, Bioelectronics and Biodevices (C3Bio), Department of Electronic & Electrical Engineering, University of Bath, Bath, BA2 7AY, UK, as **International Faculty** under **SGR International Faculty Outreach Program** from February 15 to 23, 2020.

The proposal is ***approved*** with a **total budget of INR 1,52,500**. Maximum amount that can be spent under each category keeping the total fixed at **INR 1,52,500,** according to SGRIP guidelines, is as follows:

Category	**Upper Limit (INR)**
Airfare	80,000
Local Travel	10,000
Local Hospitality (Accommodation & Food)	2500/day (max 14 days)
Honorarium	INR 6500/day (max 14 days)
Contingency	10,000

1. Tax will be deducted from the honorarium as per rule.
2. Final payments will be made as per actual.

The endorsed bills for the above along with all required documents, as mentioned in the SGRIP guidelines for application, may be sent to the Office of IR, along with a one-page report and pictures for documentation, both in hard copy and soft copy formats.

Please Note: Incomplete reimbursement applications will not be honored and will be sent back to the host faculty member.

Prof. Anadaroop Bhattacharya
Associate Dean IR

To
Dr. Gorachand Dutta
Through: Head, School of Medical Science & Technology

Faculty Member from IIT Kharagpur

Dr. Gorachand Dutta, PhD is an Assistant Professor with the School of Medical Science and Technology, Indian Institute of Technology Kharagpur. His research includes Lab-on-PCB (Printed Circuit Board), Biosensors for Point-of-Site Application, Fuel Cells for Self-Powered Biodevices, Lab-on-a-Chip Devices for Diagnosis, Bio-MEMS for Low Cost Integration Technology.