

INDUSTRY AND ACADEMIC COLLABORATION AGREEMENT
BETWEEN
INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR (IIT-KGP)
AND
EDWARD FOOD RESEARCH & ANALYSIS CENTRE LTD (EFRAC)

Preamble

The Indian Institute of Technology at Kharagpur, the first in the chain of 16 IITs, was established in 1950 under the Act of Parliament. Since its inception, IIT Kharagpur has been engaged in a continuous process of development and has secured today a position of preeminence with many academic departments, multidisciplinary centers /school and several sophisticated laboratories and central facilities. IIT Kharagpur strives to produce students, scientists, and technologists of the highest caliber to help the nation become self-reliant in its technological needs and to provide leadership in the field of technical education and research.

EFRAC (Edward Food Research & Analysis Centre Ltd) a Food and Drugs Testing & R&D Centre located at, Kolkata. EFRAC is certified for ISO17025:2005 by NABL, Department of Science & Technology, Govt. of India. EFRAC is the premier and one of the most sophisticated and ultra modern Food and Drugs testing Lab in India, having infrastructural set up with a built up area of more than 21000 sq feet and housing various latest sophisticated instruments procured from various parts of the globe. EFRAC offers its Analytical services to many multinationals in Food and Pharmaceutical sectors. EFRAC also offers Instrumentation trainings to Research Scholars, Faculty members and Professionals from Food industry.

Indian Institute of Technology, Kharagpur (IIT-KGP) and Edward Food Research & Analysis Centre (EFRAC), henceforth known as IIT-KGP and EFRAC, have agreed for a long-term Industry-Institute collaboration in Trainings, Education and Research. The primary objective is to promote Industrial Training/exposure to members of faculty and students, which will eventually help them to build their professional skills. This collaboration will also help the researchers of IIT-KGP to get their sample analysis done as per standard methods with timely delivery of reports from EFRAC. This collaboration

also aims to commercialize the technologies developed by IIT-KGP and to encourage faculties of various departments to take joint projects (industry-academia projects) with EFRAC as industrial partner. This document presents a general framework for such collaboration. It also includes some specifically identified areas of cooperation and methodology, which shall be updated from time to time.

Participation and Coordination

Dr. Balwinder Bajwa shall be the Coordinator from EFRAC and Professor H N Mishra shall be the Coordinator from IIT-KGP. The participants and Coordinators may change from time to time as decided by appropriate authority of the respective institution and/or industry.

Areas of collaboration

The following areas have been identified as possible starting points of the partnership. The areas of cooperation can be further increased by the mutual consent. In some cases specific programs will require other agreements to be separately detailed out and documented.

1. Organising joint training programmes and workshops by IIT-KGP and EFRAC for various professionals in the field of Food Technology, Chemical Sciences and Biotechnology as per CEP (Continuing Education Programme) norms of IIT-KGP.
2. Initiation of joint training programmes wherein selected UG and PG students of IIT-KGP will undergo in-house internships and trainings at EFRAC. The certificates along with mark sheet will be submitted by EFRAC to IIT-KGP at the end of internship/training programme.
3. Submission of joint research projects by EFRAC and IIT-KGP (as per the SRIC norms) to various funding agencies like DBT, DST, ICAR, CSIR, etc., wherein EFRAC will act as Industrial partner.
4. Delivering of special lectures by Scientists/Engineers from EFRAC to UG/PG students of IIT-KGP and vice versa.
5. Utilization of EFRAC's infrastructure by students/faculty members of IIT-KGP for their research purposes.

6. Technology transfer and Scale-up studies of selected research projects of IIT-KGP (as per the IIT-KGP SRIC norms) will be validated by EFRAC. Both EFRAC and IIT-KGP shall finalise a industry partner after successful validation studies.

Intellectual Property

Intellectual property developed by IIT-KGP will be governed by the rules of the institute. However, in case of joint projects by IIT-KGP and EFRAC, the intellectual property will be governed by a specific agreement prepared based on the proportions of efforts put in to meet project objectives by the partners to be approved mutually. Whenever one partner receives any information from another partner under a clearly defined non-disclosure agreement, necessary steps will be taken to protect the intellectual property received.

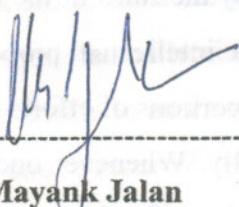
Financing

1. Cost and job schedule for organizing joint training programme and/or workshop will be decided mutually by both the partners before the start of each such programme by a separate agreement.
2. The cost of internship/training for UG/PG students at EFRAC shall be chargeable and both the parties will decide charges mutually.
3. In case of collaborative projects, the sharing of funds will be decided before the submission of projects to the sponsoring agencies. The percentage of share shall be decided based on the percentage of scope/objective taken up by each partner.
4. The travel and accommodation charges of scientists/engineers from EFRAC for delivering special lectures at IIT-KGP will be borne by EFRAC and vice-versa.
5. The analysis of samples coming from IIT-KGP will be given due preference at EFRAC.
6. In case of Technology transfer to EFRAC by IIT-KGP, EFRAC will conduct validation and analytical studies to make the technology ready for scale up studies. Charges for both validation and Scale up studies for each of the selected research projects of IIT-KGP will be decided mutually by the partners as per Institute norms.

Validity

This agreement is valid for an initial period of five years and becomes effective from the date it is signed by the partners. The partnership period may be extended by mutual

consent. In case one partner wishes to cancel the contract/collaboration, intimation will have to be sent by June of that year. In that case the agreement will terminate at the end of the same year i.e., 31st December.



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Date : 18.7.14