



**icmr**  
INDIAN COUNCIL OF  
MEDICAL RESEARCH

**NIN**  
NATIONAL INSTITUTE  
OF NUTRITION



सत्यमेव जयते  
GOVERNMENT OF INDIA  
MINISTRY OF SKILL DEVELOPMENT  
& ENTREPRENEURSHIP



**Skill India**  
कौशल भारत - कुशल भारत



**UNIVERSITY OF LEEDS**



**IUPHAR**  
INTERNATIONAL UNION OF BASIC  
AND CLINICAL PHARMACOLOGY

**NITTE**  
(Deemed to be University)

**UKIERI**  
UK-India Education  
and Research Initiative

**BRITISH  
COUNCIL**

## **UK-INDIA EDUCATION AND RESEARCH INITIATIVE (UKIERI)**

### **TWO DAY WORKSHOP ON DEVELOPING AND SUSTAINING INDIA'S CAPACITY FOR PRE-CLINICAL DRUG DISCOVERY**

***"Train the Educator" Course For Educators/Trainers Who Provide Education,  
Training And Continuing Professional Development In Laboratory Animal Sciences  
For Early Career Researchers***

**DATE: 27TH-28TH MARCH 2020**

**VENUE: SEMINAR HALL, NGSMIPS**



Organized by



**NITTE**  
(Deemed to be University)

**NGSM INSTITUTE OF  
PHARMACEUTICAL SCIENCES**  
Paneer, Deralakatte, Mangaluru-575018

## About Indian Pharmacological Society

Indian Pharmacological Society is the member - International Union of Basic and Clinical Pharmacology (IUPHAR). The genesis of pharmacology in India dates back to the beginning of 20th Century when Col. Ram Nath Chopra took over the reins in 1921 as the first Professor of Pharmacology at the School of Tropical Medicine, Calcutta. At the Fifth IUPHAR held in San Francisco in July 1972, IPS was declared official National Society of Pharmacologists of India. In the glorious century of scientific advancement, the contribution of Pharmacologists in India is well recognized. we have abundant expertise and magnificent ancestral legacy of indigenous systems of medicine. This is still vibrant and promises to show to the world the immense potential of Indian Pharmacologists.

## About Nitte (Deemed to be University)

Nitte (Deemed to be University) established in 2008, has been placed under Category 'A' by the Ministry of Human Resources Development (MHRD), Government of India. It has also been accredited 'A' Grade by the National Assessment and Accreditation Council (NAAC) and ranked 77<sup>th</sup> by National Institutional Ranking Framework (NIRF), Ministry of Human Resource Development (MHRD), Government of India.

## About NGSMIPS

Nitte Gulabi Shetty Memorial Institute of Pharmaceutical Sciences (NGSMIPS), established in the year 1983, is a constituent college of Nitte University. The college is recognized by the All India Council for Technical Education (AICTE), the Pharmacy Council of India (PCI), New Delhi and the UG Programme accredited by National Board of Accreditation (NBA). The Institute is ranked 33<sup>rd</sup> position among Pharmacy colleges under Category 'A' declared by National Institutional Ranking Framework (NIRF) under the Ministry of Human Resource Development (MHRD) Government of India Pharmacy (Research and Teaching). The college offers B.Pharm, M.Pharm in six specializations, Pharm.D and Ph.D programs in Pharmacy.

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Nitte (Deemed to be University)

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## Developing and sustaining India's capacity for pre-clinical Drug Discovery

“Train the Educator” course for educators/trainers who provide education, training and continuing professional development in laboratory animal sciences for early career researchers

# Prospectus / Guidelines

The application preferably is to be submitted via mail ( [msde.ukieri.nitte@gmail.com](mailto:msde.ukieri.nitte@gmail.com) ) with appropriate approval letters from respective authorities. The hard copies can be sent to the given address

## 1. Introduction:

The Indian Pharmaceutical industry is a major player in the global discovery, development and production of medicines. It makes a significant contribution to the Indian economy through exports and in addressing the healthcare needs of the Indian population. This Sector is growing rapidly, with the Government's vision (*PharmaVision 2020*) that the Sector reaches a Compound Annual Growth rate of 24% by 2020. However, like many countries, India has a substantial shortage of scientists, with the necessary knowledge and skills to undertake studies using laboratory animals, a legally-required, go/no-go step in the discovery and development of new medicines, biomedical technologies and devices, or in the safety assessment of medicines, devices, GMO's, LMO's and technologies developed elsewhere for the Indian market and population.

As per the regulatory guidelines of any country, before any medicine or medical technology to be applied for clinical application, the preclinical evaluation in-vitro & in-vivo in experimental animals is a mandatory requirement.

In India, prior to the use of animal species belonging to rodent (rat or mouse) & non-rodent (rabbit, dog, pig, occasionally monkey) for experimental purposes, permission must be obtained from the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), a statutory Committee under Chapter 4, Section 15(1) of the Prevention of Cruelty to Animals Act 1960.

The approvals to conduct animal experimentation are governed by Institutional Animals Ethical Committee (IAEC) which will be the registered committee with CPCSEA.

## **2. Objectives:**

Our aim is to enhance India's capabilities for preclinical drug development by creating and providing a sustainable programme of education, training and Continuing Professional Development opportunities for pre-clinical laboratory animal scientists and biotechnology entrepreneurs.

Our objectives are to:

1. Develop industry-relevant learning outcomes and curricula, to internationally recognized standards, for the education, training and Continuing Professional Development of pre-clinical laboratory animal scientists and entrepreneurs, tailored to India's needs;
2. Develop and deliver self-sustaining "Train the Trainer" programmes for these activities, creating a pan-Indian network of such trainers;
3. Disseminate and share the resources developed as free (and without time limit), open access e-learning resources across India;
4. Harmonise the education, training and Continuing Professional Development of pre-clinical laboratory animal scientists and entrepreneurs across India;
5. Guide trainers in the subsequent development and delivery of their courses;
6. Develop educational and training links and partnerships between India, the UK and relevant professional bodies;

### **3. Scope:**

Pre-clinical pharmacological assessment of the efficacy, safety and toxicological profile of potential new medicines, medical devices and technologies, and the safety assessment of these products developed elsewhere in the world for the Indian market and population are necessary, and legally required by Regulatory Authorities before use in humans, in order to determine their therapeutic potential.

### **4. General Instruction:**

1. The application form should be sent by email (msde.ukieri.nitte@gmail.com) in PDF format.
2. The travel grants are based on the budget available for selected participants (Public sector organizations) to travel by sleeper class or by bus.
3. Local hospitality will be provided which includes boarding and lodging as per norms from 26<sup>th</sup>-28<sup>th</sup> March 2020. However charges are applicable for stay before or beyond the mentioned dates. In the case of participants from private sectors, accommodation charges are applicable.
4. The confirmation of participant should reach us by 20/03/2020. Prior intimation of cancellation is to be sent through proper channel (email is provided). Next candidate who is eligible will be preferred for the course.
5. Participants from private sectors have to pay the participation fee Rs.1500/- upon selection.
6. Contact Address: NGSM institute of Pharmaceutical Science, NITTE-Deemed to be University, Paneer, Deralakatte, Mangaluru - 575018, India. Ph No:0824-2203991 Mob: +91 9036584058, Email: msde.ukieri.nitte@gmail.com

### **5. Selection Criteria :**

- I. Public / Private/ Industries Institutions / Organization Registered under DSIR working under various ministry involved in non clinical studies. Preference will be given to DSIR registered organizations.
- II. Mandatory requirement
  - i. Existence of Animal house with IAEC and CPCSEA Registration

ii. Academic and research work

- a) National Priority programs in drug development
- b) Development of Human Resource in non clinical investigations
- c) Capabilities to undertake training program for new entities

**6. Nominations :**

Nominations of 2-3 candidates in the relevant field who can continue in the areas of research outlined in the application form. Following training, they must agree to transfer the knowledge gained to others by delivering similar courses within their organizations or networks.

**7. Eligibility Criteria:**

1. Doctoral Research Scholars / Doctorate in Pharmacology/ Life sciences /Post Graduate in medicine sciences, Pharmacology / Veterinary sciences, Allopathic/ Ayurvedic/ Homeopathy Siddha.
2. Experience in drug discovery which has to be proved through Publications/Patent.
3. Age should not be more than 40 years.
4. Scientists: Scientist C (Sr. Research Officer) / Scientist D (Assistant Director) with experience in conducting Pre Clinical Toxicology work.
5. Academicians : Assistant Professor with 2-3 years of experience in Pre Clinical Evaluation in academic cadre
6. Industries : Junior manager cadre with 2-3 Years experience in conducting Pre Clinical Toxicology work
7. Infrastructure profile of the facility available in the premises of the organization.
8. Selection will be done based on criteria
9. The maximum candidates will be 40 out of which 20 will be from Public Institutes and 20 will be from Private institutions. The travel and accommodation support will be given to candidates selected from Public Institutes. The 20 members can make their payment for participation after the selection list announced.

**8. Supporting Agencies:**

UK-India Education and Research Initiative (UKIERI), Ministry of Skill Development and Entrepreneurship (MSDE) (IC&T Division) F. No. 8-6/14-SD& E-II under the UKIERI Phase III, the MSDE-UKIERI Skills Thematic Institutional Partnerships and Nitte-Deemed to be University.

**9. Course Duration: 02 Days**

**10. Post training Requirement:**

1. Each educator/trainer will be required to deliver a minimum of 2 courses within their organization or network, resulting in a minimum of 3,600 scientists trained (60 x 2 x 30).
2. Dissemination and sharing of the curricula and education resources with the community as free, open access e-learning resources.
3. Trainers to develop and deliver courses, using the above curricula and resources, within their own Institutions, Organizations or networks, thereby creating a national, sustainable and harmonized programme of courses and Continuing Professional Development activities.

**11. Important Timeline:**

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1	Submission of the application	07/03/2020
1	Last date for submission of the applications	15/03/2020
2	Screening and Selection	16/03/2020
3	Information to selected trainees	16/03/2020
4	Nomination of the selected trainees from the respective institutes	20/03/2020
5	Course dates	27/03/2020-28/03/2020