

## Course Curriculum

**Eligibility:** Students having B. Sc. (All streams of Life Science), D. Pharm, B. Pharm, M. Pharm, B. Pharm (Ayur), MBBS / MD/ BDS/ MDS/Nursing / BHMS / BVSc/BPT/ Diploma in Paramedical Courses / Allied fields.

**Duration:** NINE MONTHS (36 weeks theory & practical) – further 3 months for project work.

**Time:** Fri / Sat (1.00 pm to 5 pm): No. of Seats : 25

**Course structure :**

**(21 CREDITS / 700 MARKS)**

Theoretical Papers	Subject Code	Contact hrs/wk	Credits	Marks
Pharmaceutical Technology & Therapeutics	CER/PVCR/T/111A	3	3	100
Clinical Research – I	CER/PVCR/T/112A	3	3	100
Clinical Research – II	CER/PVCR/T/113A	3	3	100
Pharmacovigilance	CER/PVCR/T/114A	3	3	100
Laboratory	CER/PVCR/T/115A	3	3	100
Project & Seminar	CER/PVCR/T/116A	3	3	200

### Classifications of Grades:

90 – 100% Ex. (Excellent)	60 to 69 Gr. C (Fair)
80 – 89% Gr. A (Very Good)	50 to 59 Pass (P)
70 to 79% Gr. B (Good)	Less than 50 - Fail (F)

### Few Faculty

Prof. T. K. Chatterjee (JISU), Dr. K. Kuotsu (JU), Prof. B. Sa (JU), Dr. S. K. Todi (AMRI), Dr. Arghya Majumdar (AMRI), Dr. Samar Chakraborty (AMRI), Dr. Koushik Dutta (AMRI), Dr. Jayati Sengupta (AMRI), Dr. Avijit Hazra (SSKM), Dr. Pinaki Datta (AMRI), Dr. Sharmila Chatterjee (AMRI), Dr. Mahuya Bhattacharyya (AMRI), Dr. Saswati Sinha (AMRI), Dr. Arpita Bhakta (AMRI), Dr. Susmita Basu (AMRI), Dr. Arpan Dutta Roy (AMRI), Dr. Dipabali Ghosh (Acharjee) (Fortis), Prof. Sumana Chatterjee (GNIPST), Prof. Lopamudra Datta (GNIPST), Dr. Sriparna Kundu Sen (GNIPST), Dr. Prerona Saha (GNIPST), Mr. Rahul Kar (GNIPST), Dr. P. Dey (JISU), Mr. T. Roy (JISU), Prof. H. S. Maji (JISU), Ms. Deblina Pal (JISU)

## Course Highlights:

1. Duration: 9 months (Including 3 months project works)
2. No of Students: 25 (Max)
3. Industry standard curriculum
4. Proper training and Evaluation
5. Optimal faculty mix from Academic, Industry & Institutions
6. Highest faculty : Student ratio
7. 100% Placement assistance

### Career Opportunities

Pharmaceutical Companies, Clinical Research Organizations (CROs), Business Process Organizations (BPOs) companies, Regulatory Agency i.e. DCGI Office & CDSCO need professionals with good understanding of medical ethics, clinical research, pharmacovigilance practices and patient safety, western regulations and effective communications.

**Certificate Course in “Pharmacovigilance in Pharmaceutical and Clinical Research”** is designed to cover all aspects of clinical trials, Pharmacovigilance and drug safety management.

### Placement Assistance

- ◆ The Clinical Research Unit of AMRI Hospital will also provide vital information / insights about Pharmaceutical Industry (Clinical Research Industry & Pharmacovigilance industry) function, work culture and job openings.
- ◆ CVs of the potential candidates will be forwarded to pharmaceutical companies & Contract Research Organization to facilitate placement of the students.

Complete application alongwith DD in favour of “JIS University” to be sent at the following address

**Prof. (Dr.) T. K. Chatterjee**

Dean, JIS University

81, Nilgunj Road, Agarpara, Kolkata – 700109

Contact: 6290486588 (Moumita, JISU)

Email: dr.tkchatterjee@jisuniversity.ac.in

## Information Brochure



Opportunity to start your **CAREER** with Pioneer Healthcare Industries and leading University in Eastern India



**JIS UNIVERSITY OFFERS**

**Certificate Course on  
PHARMACOVIGILANCE IN  
PHARMACEUTICAL AND CLINICAL  
RESEARCH**



*in collaboration with*  
**AMRI Hospitals, Kolkata**



**Message from  
Sardar Taranjit Singh  
Chancellor, JIS University**

JIS University has been established to carry forward the legacy of its parent group - JIS Group Educational Initiatives, Eastern India's largest and most trusted educational service provider.

The University can be distinguished by the strength of quality par excellence and innovation in the fields of research , state-of-the-art educational infrastructure as well as in the arena of new age teaching modalities and industry relevant curricula. We intend to build up our facilities to help in continuing our momentum in undergraduate, postgraduate education and doctoral research programmes by blending in traditional teaching approaches with modern technology-enabled Teaching Learning Practices (TLP) coupled with Research and Development.

At JIS University we believe in charting a successful career trajectory through career guidance and mentoring with an autonomous responsibility within a vibrant learning environment favourable for encouraging new ideas and creativity, informed by practice, inspired by research, focusing on the globally relevant areas. Our mission is to create the next generation of highly employable global standard professionals to shape the future of our nation.

I am extremely happy to know that JIS University is going to start a certificate course on “ Pharmacovigilance in Pharmaceutical and Clinical Research” in collaboration with AMRI Group of hospitals.

I wish the venture a great success.



**Message from  
Prof. (Dr.) Bimal Chandra Mal  
Vice Chancellor, JIS University**

JIS University was established in 2015 by an Act of the West Bengal Assembly. Since then we have made progress in starting different disciplines of Studies such as Biotechnology, Pharmacy, Engineering, Law, Education and different Science Courses. We have already established state of the art laboratories for imparting UG and PG education as well as for advance research. New addition to our activities is to start job oriented **Certificate Course on Pharmacovigilance in Pharmaceutical and Clinical Research** in collaboration with AMRI Group of Hospitals, Kolkata.

I am sure that the course will be very useful to both Pharmacy and Science Graduates who are aspiring for suitable employment.

I congratulate the AMRI Hospital authorities and the Pharmacy faculty of JIS University for initiating this noble venture.



**Message from  
Dr. S. K. Todi  
Medical Advisor, AMRI Hospitals, Kolkata**

Medication errors have been found to be the most common cause of hospital mortality. With increasing polypharmacy the numbers of medication errors are going up exponentially. These errors include dispensing, administration, dose calculation, drug interaction and adverse effects. With increasing pressure of patient care the physician and nurses are busy taking care of patients and pharmacotherapy and drug dispensing gets neglected especially in intensive care unit. Clinical Pharmacists with the skill of Pharmacovigilance have become an integral part of a multidisciplinary team to take care of the patients. With multiple new medications there is a lot of drug interaction which is not possible for a busy clinician to follow. Pharmacovigilance trained persons will be able to keep track of these. Moreover, pharmacovigilance is the key for post marketing surveillance of any new drug which has come into the market to ensure that these medications fulfill their role as proven in clinical trial. Pharmacovigilance has become an established speciality in developed countries and in a developing country like India with many generic drug manufacturers pharmacovigilance is all the more important.

It gives me great pleasure to announce the initiation of a course on ‘Pharmacovigilance in Pharmaceutical & Clinical Research’ as a joint venture of JIS University and AMRI Group of Hospitals, Kolkata. This will result in a harmonious synchronization of clinical and basic sciences. The faculty for these courses will include experts in the field of clinical practice and it would cover all aspects of clinical pharmacovigilance required at an entry level for various Pharmaceutical Industry R&D, Clinical Research Organisation or Hospital Based clinical Research. This course will be equally useful for students with medical and non medical backgrounds who would like to devote either partial or complete time in practicing clinical research. I firmly believe that clinical research conducted by our trained manpower on our patients, in various health care delivery systems existing in the country, will be the best service that can be offered to our patients and will lead to a genuine advancement of medical sciences in our country.



**Message from  
Prof. (Dr.) T. K. Chatterjee,  
Dean, JIS University**

It is my immense pleasure to announce that JIS University is going to start a certificate course in “Pharmacovigilance in Pharmaceutical & Clinical Research” in collaboration with AMRI Group of Hospitals, Kolkata.

During the last few years, the Clinical Research has emerged as a vital field in health care system. It is now certain that the medicinal products must not only be efficacious but also be safe when administered. Therefore, before bringing a medicinal product in market for use, the product has to endure rigorous screening through toxicity, preclinical and different phases of clinical studies and pharmacovigilance. Pharmaceuticals, health and medicinal products, whether it is a small molecule, large molecule or botanical extract, are considered as ever mounting and unsaturated area of health management. In the present state of affairs, the establishment of safety and efficacy of the health products is of paramount importance. This requires generation of trained and highly skilled personnel. The Clinical Research is growing at an express pace and India has been recognized as an excellent partner for global Clinical Trials. Consequently, there is a great need for Clinical Research professionals not only in India but also in abroad. I anticipate this certificate course of JIS University, is the right course to offer expertise, create manpower for meeting this requirement for the Pharmaceutical Industries. This will give a new impetus to strengthen the clinical research in India. This type of course is inimitable and first of its kind in Eastern India. The aim and objective of our course is to facilitate both the quality and efficacy of clinical research activities. We will offer comprehensive knowledge of clinical trial services and provide the basis for regulatory approval of new pharmaceuticals and medical devices. The course plans to explore the unexplored areas, to enable early clinical experience, to evaluate treatment effectiveness in everyday clinical setting and post marketing pharmacovigilance.

## About JIS University

JIS Group Educational Initiatives-the largest educational conglomerate of Eastern India with 26 Institutions, 126 programmes and 35,000 students began its journey 18 years back. The journey, though not easy, has been quite a successful one. JIS University was established through the Legislative Act of the Government of West Bengal, viz. JIS University Act, 2014 (West Bengal Act XXII of 2014) that came into force in February, 2015.

The University has a mission to be one of the top class universities in India and a preferred destination for students, research scholars and faculty members alike. Students aspiring to study in JIS University can be assured of quality education as all courses are duly accredited and affiliated by UGC, BCI, PCI, NCTE and UNAI.



JISU has an objective to provide instructions, teaching, training and research in various branches and specialised fields of Science, Engineering & Technology, Pharmacy, Management, Law, Social Sciences and Education. Besides the traditional undergraduate and postgraduate courses, there are integrated B.SC. courses like Physics, Chemistry, Geology, Biotechnology, Microbiology, etc.. The University provides PhD programmes in various courses as well. Students are offered foreign language classes and are also exposed to international student internships through various student exchange programmes with foreign universities.

## About AMRI Hospitals

The AMRI Hospitals today is a unified Group with 1000 beds, over 500 doctors, and 10,000 surgeries successfully held every month. Its super specialty tertiary care units are located at Dhakuria, Salt Lake, Mukundapur and Bhubaneswar along with a state of the art day care facility - AMRI Medical Centre at Southern Avenue, Kolkata.

With an investment of Rs.25,000 crores, under a vibrant new board of Directors, guided by the dynamic Group CEO, Mr. Rupak Barua, AMRI Group is all set to implement sweeping changes to head for a super-fast track of growth.



Backed by the finest technologies and a dedicated team of doctors, nurses, technicians and patient service staff, the hospital's emphasis is on providing true value for money and total patient satisfaction. The management initiative ensures co-ordination, transparency and a human face in its administration.

AMRI Group of Hospitals started a 400 bed multispecialty tertiary care hospital in Bhubaneswar, Orissa, to fill the void of super specialty highly advanced healthcare facility in the State of Odisha. In the city of Kolkata AMRI has four units in operation. AMRI Dhakuria unit has started full operation. AMRI Saltlake has been functioning in full swing and AMRI Mukundapur Unit which started initially as Women and Children Hospital, has now immersed as multispecialty tertiary care Centre. AMRI Medical Centre is providing best of healthcare in Dental, Eye and ENT specialty.