

Academic courses

# Global Medical Education & Research Foundation

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## GLOBAL MEDICAL EDUCATION & RESEARCH FOUNDATION

INTRODUCES

*Advanced PG Diploma Courses in Healthcare Technology*

***Physician Assistants, Clinical Nutrition & Dietetics, Dialysis Technology***

## Academic courses

GMERF was established in 2012 with a major objective to provide skill development opportunities in Health Care. It offers the expertise and facilities of super specialty clinicians of Global Hospitals in Hyderabad for its flagship skill development programs. Healthcare technologists play a very important role by helping physicians make an accurate diagnosis for treatment, cure and overall care of patients. **GMERF** is launching three important skill development programmes as “**Advanced PG Diploma Courses in Healthcare Technology**” for the benefit of graduates in life sciences, nursing and pharmacy, with a view to train them for employment in the healthcare sector. These courses are of **two years duration (4 semesters)** with a **foundation course in basic medical sciences, case studies**, advanced theory, practical training and **internship**.

**Internship** will offer **stipend** and **on-job training** in the relevant subject either in house or in any suitable organization. All candidates who have secured First Class/high Second Class in the final qualifying examination including those who are awaiting results are eligible to apply. Last date for receipt of completed applications is 30<sup>th</sup> Sep 2015.

**For information on admissions visit [www.gmerf.com](http://www.gmerf.com) and apply with full bio-data to**

**The Director**

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## Our Mission

*“Research is to see what everybody has seen and to think what nobody else thought”*

*(Albert Szent - Gyorgyi)*

*GMERF is recognized as a scientific industrial research organisation (SIRO) by the department of scientific and industrial research Govt. of India. It is recognised by several universities (JNTU-H.) For PhD program in biotechnology, biochemistry, molecular biology and has faculties who are recognized as guides in these research disciplines.*

The scope of GMERF is

- To craft and foster a community of the finest people committed to mitigating human sufferings caused by disease.
- To nurture unique abilities of each student and evoke a positive intellectual experience.
- To provide and support education, training and research training to bridge the gap in critical shortage of skilled human resources in Healthcare, pharmaceutical sciences and biotechnology.
- To emphasize multidisciplinary approach in solving the challenges involved in combating the

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human suffering.

- ❑ To offer opportunities for training in Medical Sciences, Allied Health Sciences, Health-care Management, Translational Research, Clinical Research Biotechnology, Bioinformatics and Stem Cells.

## Laboratories



**Accuracy in diagnosis and application of state-of-art technologies is possible only with the support of equally matching diagnostic and investigative services.**



Our front-line laboratories include, HLA, Transplant Immunology, Stem cell labs, Molecular Diagnostics and Biomarker labs, manned by professionals of par excellence with experience and expertise. We also have modern state-of-art laboratories for clinical microbiology, clinical biochemistry, histopathology and Cytopathology, haematology and transfusion medicine. Biotechnology, Bioinformatics and Stem Cells.

### **A Note on Health Care Technology Courses:**

We intend to launch the following Advanced PG Diploma Courses in October 2015. The courses now identified are extremely important in healthcare sector and offer immediate employment. Global Hospital has the most advanced infrastructure and professional expertise in these highly specialized

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areas and we have drafted one of the most comprehensive curriculum and course structure possible for these courses. Students will be screened and selected based purely on merit and aptitude.

### 1) *Advanced PG Diploma course for Physician Assistant*



Physician Assistant (PA) is important member of the health care team, working interdependently with physicians in virtually all medical specialties and settings. Physician assistants have many of the responsibilities as doctors, though they work under a physician's or surgeon's supervision. Under the overall supervision of a physician PAs take histories, conduct physical examinations, order and interpret tests, counsel on preventive health care and may assist in procedures. A PA's practice may also include education, research and administration.

The salient features of this course are:

- ❑ The course is of **two years duration (4 semesters)** with a **foundation course in basic medical sciences, case studies**, advanced theory, practical training and **internship**.
- ❑ **Internship** will offer **stipend** and **on-job training** in the relevant subject either in house or in any suitable organization.
- ❑ Syllabi of all the courses have been designed with great care by experienced medical faculty.
- ❑ To ensure that the skills and knowledge which the students acquire are on par with the best in the country and comparable to international standards.
- ❑ The program will offer a very strong foundation in all basic medical science subjects, IT & soft skills and biomedical sciences.
- ❑ Healthcare technologists can advance to supervisory or management positions in clinical labs and hospitals. They can also work as laboratory managers, consultants, or supervisors in health care administration.
- ❑ GMERF provides limited number of scholarships based on merit to its students in order to encourage the budding talents.

## 2) *Advanced PG Diploma in Clinical Nutrition & Diabetics*



Clinical Nutrition is unique in the sense the general Nutrition is not applicable in the clinical setup and the students will have training in basic clinical/Medical sciences. All hospitals need such specialised dieticians.

- ❑ The course is of **two years duration (4 semesters)** with a **foundation course in basic medical sciences, case studies**, advanced theory, practical training and **internship**.
- ❑ **Internship** will offer **stipend** and **on-job training** in the relevant subject either in house or in any suitable organization.
- ❑ Quality education is custom designed in GMERF that nurtures unique abilities of each student and evokes a positive intellectual experience.
- ❑ Knowledge of nutrition for overall health and wellness as well as therapeutic nutrition is recognized as integral tools for general health, prevention and treatment of many diseases currently affecting the global population.
- ❑ This program covers several core subjects in Nutrition & Dietetics such as Fundamentals of Nutrition/Sports Nutrition/Food Microbiology/Weight Management/Nutrition Support/Measuring Nutrition/Food Poisoning with a special emphasis on nutrition during special clinical situations like active disease, treatment and convalescence/rehabilitation etc.
- ❑ Students are trained to use an evidence-based approach to transition patients from a state of disease back to a state of health and well-being.
- ❑ **Specifically, students are taught to identify imbalances which contribute to a disease state.**
- ❑ Our ultimate goal is to foster a future generation of clinical dieticians equipped to shift the current healthcare system from the current 'treatment mode' to one of 'disease prevention and maintenance of optimal health'.

This two year program (four semesters) is specifically designed for those who want to be part of tertiary care/super specialty healthcare services, rehabilitation centres, wellness centres/clinics and specialty food manufacturing and marketing.

### 3) *Advanced PG Diploma in Dialysis Technology*



Dialysis course is an important Health technology course and demands for this skill are beyond any body's imagination because of tremendous increase in Diabetes prevalence and kidney failure. One can develop an independent dialysis centre as well.

- ❑ Dialysis is most frequently done nowadays because renal ailments occur commonly in all stages of life among urban well as rural population
- ❑ Due to this, separate hospitals for kidney disease and departments especially for nephrology are being established to handle all types of dialysis.
- ❑ A dialysis technician plays an important role in the procedure of dialysis and the demand of such a technician is increasing day by day.
- ❑ Dialysis is a form of therapy, which is used in patients with kidney failure. In the absence of kidney function, dialysis helps patients survive and also lead a good quality of life. In patients who are critically ill, dialysis is an inevitable part of the ICU support system.
- ❑ The concepts of dialysis; types of dialysis as well as the machines used for dialysis are changing rapidly. The aim of the dialysis technology course is to provide an educational program to train students to understand the principle and techniques of dialysis maintenance of a dialysis unit and in meeting international standards of dialysis care.
- ❑ The course is of **two years duration (4 semesters)** with a **foundation course in basic medical sciences, case studies**, advanced theory, practical training and **internship**.
- ❑ **Internship** will offer **stipend** and **on-job training** in the relevant subject either in house or in any suitable organization.
- ❑ **The course includes study of all basic medical sciences, biomedical instrumentation, nephrology, kidney function tests, general medicine and hospital procedures and Diagnostic.**