

CERTIFICATE COURSE IN PULMONARY TECHNICIAN

Prospectus – 2021-22

RAJAGIRI

Carmelites of Mary Immaculate (CMI), founded in 1831 by St. Kuriakose Elias Chavara is the first indigenous religious order of the Catholic Church in India. Till date, it remains the largest among various such Christian initiatives in India with the mission of propagating and practicing love, truth, service and justice. It has grown having almost 2500 members, and 15 provinces spread all over the country and abroad, finding newer ways and avenues to spread the good news of God's love and care.

The CMI across the globe, during the past two centuries, have tried to give expression to the good news of God's care and concern in many and new ways, especially through the liberating mission of education. It has established a unique and unparalleled tradition in this field, by steady and systematic steps in covering all avenues of education.

One of the recent steps in this continuing mission has been the entry of CMI into healthcare and medical education, with Amala Hospital and Medical College establishing one of the new generation medical colleges in Thrissur, which has already carved a niche in the field of medical education in the state.

Sacred Heart Province, Kochi, popularly known as RAJAGIRI, of the CMI has been the leader as far as quality and advanced education is concerned. It has been in the forefront in the quality movement in education – in school, college and technical and professional education in the state. The Rajagiri brand in education is renowned for its unique blend of quality – of the best in teaching-learning of curriculum, and going beyond curriculum by reaching out the benefits of education to society at large.

Rajagiri Hospital is a prestigious initiative from the Rajagiri (CMI) group of institutions based in the pristine State of Kerala (India), to provide state of the art healthcare services.

This mega project is indeed a thoughtful response to the vital needs of the present day health care sector, mainly that of offering quality and affordable medical care at the hands of committed and competent health care professionals. The idea is to bring the highest standards of expertise and skill involved in the treatment of patients, using the most advanced and sophisticated instrument techniques available currently in the world and to bring the benefit of these at affordable rates. Rajagiri hospital has been accredited by the National Accreditation Board for Hospitals & Healthcare Providers (NABH) and has been awarded accreditation by Joint Commission International (JCI), as an ultimate stamp on the safety and quality of the services rendered here.

The Rajagiri campus for 'Rajagiri Healthcare and Education Project' is a well laid out, sprawling 40-acre green landscape in the serene setting of Chunangmvely, Aluva, in close proximity to the Cochin International Airport.

OUR VISION

"... to give life abundantly"

OUR MISSION

- To provide the most advanced & scientific, curative, preventive & promotive healthcare that leads to an 'abundance of life' .
- To undertake specialized and holistic healthcare services of world standard and to provide them to all sections of the society, with special concern for the marginalized.
- To grow into a model & global leader in healthcare, innovative teacher in medical sciences & pioneering research centre on health.

Certificate Course in Pulmonary Technician

Certificate Course in Pulmonary Technician is a one year course conducted at Rajagiri Hospital. The course is a blend of classroom lectures and hands on training in live situations. This institutional Certificate Course has been designed to educate and train candidate to assist in pulmonary investigations and procedures. On Successful completion of the course they are expected to be of valuable assistance to the Pulmonologist by being an integral part of the comprehensive pulmonary team.

During the period of training, candidate should work along with the department faculty and technical staff to successfully carry out the department work. After an initial period of observation, they will be given increasing responsibilities gradually without compromising quality of the patient care. Patient assessment, technical assessment and evidence based management will done only under the supervision of a consultant or technical staff. The candidate will have dedicated teaching session incorporating the basic, applied and technical aspect of respiratory sciences and would be given hands on exposure in graded manner. The candidate will also be allotted seminars / symposium, journal clubs etc. and will be encouraged to take part in various workshops accredited by national bodies. The candidate has to maintain a log book of the teaching sessions and clinical work performed by them.

COURSE DETAILS

- **Duration:** 1 year
- **No. of seats:** 2
- **Academic Requirement:** Pass in Higher Secondary Certificate with 50% aggregate in Physics, Chemistry and Biology.
- **Age:** Should have completed 17 years as on 31st May 2021.
- **Mode of Selection:** On the basis of marks scored for Physics, Chemistry and Biology in the qualifying examination and personal interview.
- The management reserves the right to deny admission to any candidate without assigning any reason whatsoever.
- Hostel facility will not be available.
- The students are liable to compensate for any damage to hospital property or breakage of any equipment caused by them.

CURRICULUM

Theory

- Respiratory system anatomy with special reference to airway anatomy and applied bronchial anatomy
- Respiratory physiology with special emphasis on applied physiology and lung volumes / capacities
- Lung microbiology with focus on pulmonary infections and infections control in Spirometry lab and bronchoscopy suite.
- Pulmonary Pharmacology and therapeutics with special focus on bronchodilators, sedatives and analgesics.
- Pulmonary diagnostics and emphasis on chest radiology
- Applied pathology
- Sleep physiology and basic of sleep studies.
- Arterial blood gas analysis.
- Pulmonary rehabilitation.
- Respiratory care producers
- Basic airway management.
- Oxygen therapy
- Professional skill
- Communication skills
- Ethical practice of pulmonary medicine
- Pulmonary research with focus on the role of pulmonary technician

Practical

- Guided and graded exposure to clinical history taking and global respiratory assessment of subjects referred for respiratory tests.
- Guided and graded exposure and performance of spirometry
- Guided and graded exposure and performance of diffusion capacity.
- Guided and graded exposure and assistance of bronchoscopy, procurement of lavage sample, trans bronchial biopsy.
- Guided and graded exposure and connection of channels for sleep studies.
- Guided and graded exposure and performance of skin prick test for allergy.
- Guided and graded exposure to administration and monitoring of supplemental oxygen
- Inter professional collaborative clinical simulation.
- Demonstration of communication skills in clinical practice by consultant.

FEE STRUCTURE

Rs. 25,000/- (twenty five thousand only)

**Fees once paid shall not be refundable under any circumstances.*

**The cost of uniforms and study materials shall be borne by the students.*

HOW TO APPLY

- Candidate can download the application form from our hospital website: <http://www.rajagirihospital.com/>. Application Fee Rs. 200/- to be transferred to the following bank account.
- The bank details for NEFT transferring:

Bank: Rajagiri Healthcare and Education Trust

Bank: South Indian Bank

Account No: 0587053000003161

IFSC: SIBL0000587

Branch: Rajagiri Valley, Kakkanad

Swift Code: SOININ55
- Filled in application form should be submitted through the mail: academic.coord@rajagirihospital.com along with the payment transaction screen shot.
- **Last date for submitting application form is on or before 5 PM 30th September 2021.**
- The application should be filled by the candidate in his/her own handwriting.
- Certificates to be attached along with the application form are:
 1. Self-attested copies of 10th standard/SSLC certificate and Mark sheet of +2/HSC examination.
 2. Self-attested copy of Birth certificate.
 3. Self-attested copy of Transfer Certificate.
 4. Character and conduct certificate issued by the HOD of the institution last studied in.
- Selected candidate will have to undergo a medical examination conducted by Rajagiri Hospital. Students will have to bear the cost thereof.
- Students are required to undergo vaccination as per the hospital rule at their own cost.

CONDUCT OF THE CANDIDATES

- The course is being conducted within the premises of Rajagiri Hospital.
- The students shall abide by all the rules and regulations prescribed for them.
- They shall conduct themselves in an exemplary manner without any disturbance to the patients or visitors.
- Further, students are bound to keep all information pertaining to patients that may come to their knowledge during their clinical postings in patient care areas, confidential.
- Students are expected to enter the hospital premises in decent attire and hygienic conditions.
- They have to wear ID cards/badges within the hospital premises and outside the hospital while on duty/training.
- Every student shall carry out the assignments allotted to them.
- Disobedience, dishonesty, indifference, negligence etc... would be severely dealt with.

- All students are expected to report to the hospital as per the duty schedule designed by the Head of the Department.

HOLIDAY LIST 2021 -The students are eligible to 13 festival / national holidays as applicable to Rajagiri Hospital.

ATTENDANCE - 80% attendance is mandatory to appear for the examination

EXCLUSION

Rajagiri Hospital does not guarantee any employment opportunity for the student in Rajagiri Hospital.

PROHIBITION OF RAGGING

- Ragging/ or any type of misconduct towards any student either in the campus or outside is prohibited and may attract appropriate legal action.
- Students and parents, at the time of admission, shall furnish an affidavit to the effect that the student shall not indulge in ragging.

CONTACT US

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