



**SCANSWORLD EDUCATION AND RESEARCH INSTITUTE**  
**PROSPECTUS**  
**ADMISSIONS 2013 - 2014**

# **SCANSWORLD EDUCATION AND RESEARCH INSTITUTE (SERI)**

(A Unit of Roentgen Scans World Private Limited)

20, Rama Street, Opp Valluvarkottam high Road, Nungambakkam, Chennai -600 034.

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## **PROSPECTUS**

### **APPLICATION FORM FOR PARAMEDICAL/ALLIED HEALTH SCIENCES PROGRAMMES**

**SESSION 2013-2014**

**B.Sc. Allied Health Degree Courses**



Affiliated to **Tamil Nadu Dr.MGR Medical University**

### **IMPORTANT DATES**

1. Last date for receipt of completed application form in the Institution.  
Tuesday, 23<sup>rd</sup> July, 2013
2. Date of dispatch of admit cards by the College.  
Last week of July, 2013(Tentative)
3. Commencement of the Academic Session 2013-2014  
Thursday, 1<sup>st</sup> Aug., 2013
4. Closing date of admission.  
Monday, 30<sup>th</sup> Sept., 2013

**Incomplete applications shall be summarily rejected.**

**PLEASE READ THE PROSPECTUS CAREFULLY BEFORE FILLING IN THE  
APPLICATION FORM**

**ANY DOUBT ABOUT THE COURSE, PLEASE VISIT ([www.tnmmu.ac.in](http://www.tnmmu.ac.in) & [www.tnmgr.ac.in](http://www.tnmgr.ac.in))**

### **ADMISTRATIVE STAFFS**

<b>Dr.Philson J Mukkada</b>	:	Principal, Head, Dept. of Radio-Diagnosis & Course Director, Ph: 044 -40000008, 9677128354
<b>Dr.V.Nirmala</b>	:	Medical Superintendent Ph: 044 -40000008
<b>Mr. Mohammed Faiz</b>	:	Section Officer (Acad.) Ph: 9790720202

# APPLICATION FORM FOR PARAMEDICAL/ALLIED HEALTH SCIENCES PROGRAMMES

SESSION 2013-14

## **B.Sc. Allied Health Degree Courses**

### **INTRODUCTION**

Medical Science has made tremendous advances in last two decades. Newer diagnostic and therapeutic modalities like Ultrasound, CT scan, MRI, PET scan, etc. are developing at a rapid pace. It is possible to impart this knowledge to the medical students. However, there is acute shortage of supportive technical staff familiar with the newer techniques. X-ray technologist plays an important role in helping the radiologist to make a diagnosis by providing good quality films and helping in various diagnostic and therapeutic procedures. With advances in technology and expansion in medical care, there is increasing requirement of trained radiographers and supervisors to meet the expectations. Hence more and more job opportunities shall be available to the persons trained in X-ray and imaging technology.

With improving standards of medical care and for further upgradation, there is a need for highly qualified imaging professionals in this field all over the country. Further, placements are being solicited by the multinational companies for the bright technologists and highly skilled students as Application experts specializing in different fields in imaging technology. There exists a vast untapped potential in this field. Further, with many upcoming institutions for providing training for radiographers, there shall be increasing requirement for tutors. The B.Sc. radiology imaging technology course is aimed at meeting this rising demand as well as at enhancing the quality of care.

### **OBJECTIVES (B.Sc in radiology and Imaging Technology)**

- 1) This is a vocational educational technician course in X-ray technology which will fulfill need of trained manpower in the field of health services.
- 2) This Radiology imaging Technology course will ensure & help better patient care & diagnosing the patient in accurate manner & direction to achieve optimum result by the Medical Professionals.
- 3) To enhance the standard of knowledge and experience of the students in the field of Medical Technology and to update them with the newer developments taking place in the field of radio diagnosis.
- 4) The students will be aware and conversant with latest sophisticated modern Imaging modalities such as CT scan, MRI and PET Scan etc.
- 5) To make the students aware of various radiations safety measures meant for staff members and general public.

## **Bachelor/B.Sc. in Medical Laboratory Technology (BMLT)**

The objective of this programme is to develop manpower for health sector by providing them the necessary knowledge and skill to ensure the quality services in the remote areas of our country. This is an innovative, need-based and relevant training programme meant to create employment opportunities. Medical Laboratory Technology is a basic and important tool in the diagnosis/study of the various diseases for appropriate monitoring and treatment. The knowledge in the field of Hematology, Microbiology, Biochemistry, General Pathology, etc. is of utmost important for any skilled technician. Therefore, in the rapidly growing area of scientific knowledge and skills, laboratory science is an important area of study for Medical Laboratory Technicians.

### **Objectives**

This programme aims at providing comprehensive knowledge of structure, function and pathological changes of the organs, the basis for understanding the clinical correlation of diseases and the pathological basis for the disease presentation. After going through this programme the students shall be able to:

1. Comprehend the normal disposition, clinically relevant interrelationship, functional anatomy and physiological process in the body in relation to pathological basis for the diseases.
2. Identify the microscopic structure and correlate the findings with the diseases of the various structures of organs and tissues of the body.
3. Correlate the structure with illustrations as a requisite for understanding the altered state in various, disease processes especially with respect to pathology and microbial infections and infestations.

## **Diploma in Radiology & Imaging Technology**

The objective of this diploma course is to create qualified technical staff acquiring prescribed techniques in the radiology imaging technology which constitutes the routine screening procedures of Radiology Imaging such as X-ray Technology, Ultrasound Technology, CT-Scanning and MRI. The basic principles on hand training and demonstration of techniques will be acquired.

## **Objectives**

After going through this programme the students shall be able to:

1. Learn practical experience in the field of X-rays of the human body.
2. Learn basic training in MRI and CT scanning.
3. Understand fundamentals of the subjects including Radiation Physics, relevant general Physics, Equipment Physics, Radiographic Photography, Anatomy, and Physiology.
4. Learn practical technology and to educate in all Radiographic Techniques & Positioning.
5. Educate and practice Record keeping and quality assurance.

**SEATS AND DURATION:** The duration of the course is three academic years for Bachelor/B.Sc Courses & Two academic years for Diploma courses. Statements showing the total No. of seats (category wise for the session 2013-14) are as follows:-

1. **B.Sc. Radiology & Imaging Technology - 20 seats**
2. **B.Sc Medical Laboratory Technology**
3. **Diploma in Radiology & Imaging Technology -20 seats**

## **ADMISSION ELIGIBILITY CRITERIA**

**ELIGIBILITY:** A candidate who is an Indian citizen is eligible for admission to the course if he/she fulfils the following requirements:

(i) **AGE ON ADMISSION:** An Applicant should have attained or will attain the age of 17 (seventeen) years as on 31<sup>st</sup> Dec. of the year of admission. Candidates attaining 17 years of age on 1<sup>st</sup> Jan. of the subsequent year or later will not be eligible.

(ii) The **minimum educational requirements** shall be passing of Higher Secondary School Certificate Examination (12 years course)

(Or)

Senior School Certificate Examination (10+2), pre-degree examinations (10+2)

(Or)

An equivalent with 12 years schooling from a recognized Board or University with Science (Physics, Chemistry, Biology) and English with minimum 45% marks (PCBE); for SC/ST candidates the minimum percentage of marks is 35%.

(Or)

Individual pass in Physics, Chemistry, Biology or Botany and Zoology (both Theory and Practical) with a minimum of 35% of marks in each of the above subjects is mandatory.

**English:** A Pass in English with a minimum of 35% marks is mandatory.

## **APPLICATION PROCEDURE**

- a) The prospectus containing application form can be obtained in person from the reception counter of **Roentgen Scans World Private Limited**, 20, Rama Street, opp Valluvarkottam high Road, Nungambakkam, Chennai -600 034. On receipt of cash /bank draft/pay order drawn on any nationalized bank in favour of "ROENTGEN SCANSWORLD Pvt. Ltd.," of Rs. 500/- (non-refundable) payable at chennai.
- b) The Application Form may also be downloaded from the College website **www.scansworld.in** and the same may be sent to **The Principal , SCANSWORLD EDUCATION AND RESEARCH INSTITUTE (SERI), Roentgen Scans World Private Limited, 20, Rama Street, Opp Valluvarkottam high Road, Nungambakkam, Chennai -600 034.**
- c) Duly filled in along with requisite Demand Draft/Pay Order amounting to Rupees 500/- in favour of the **ROENTGEN SCANSWORLD Pvt. Ltd** payable at chennai on or before the last date, i.e., 23rd July, 2013.
- d) Application fee of Rs. 500/- shall not be refunded under any circumstances, i.e. whether the candidate appears or does not appear in the examination /counseling on any ground, or his/her application is rejected on any grounds. No correspondence on this matter shall be entertained.
- e) Incomplete application forms, and those received after last date shall not be considered. The College does not take any responsibility for the loss of application form in transit.
- f) The last date for receiving application form is **Tuesday, 23rd July, 2013.**

## **INSTRUCTIONS FOR FILLING THE APPLICATION FORM**

- a) All columns in the application form must be filled up in Block Letter and carefully and legibly. Incomplete application forms or those not containing the required enclosures shall be summarily rejected.
- b) The application form duly filled in should be accompanied with the following enclosures:
  - i. Three recent passport size photographs of the candidates attested by the Headmaster / Principal of a recognized school or a Gazette Officer.

- ii. An attested true copy of Matriculation/Sec. School Examination certificate issued by the University/ Board showing the date of birth of the candidate. (No other evidence for the date of birth of the candidate shall be accepted).
- iii. An attested true copy of the certificate from the University/Board from Principal/Head of the School from which the candidate passed his/her last examination or any other qualifying exam given in Para (ii) under Admission Criteria Eligibility.
- iv. An attested true copy of the certificate of good conduct from Principal/ Head of the College/ Institution last attended.
- v. Community certificate.
- vi. Disability candidate while applying for admission to the course, should enclose a copy of Disability Certificate issued by a duly notified Medical Board of a District/Govt. Hospital set up for examining the physical challenged candidates under provision of the person with disability (equal opportunity protection of right of full participation) Act 1995.

### **PROCEDURE FOR SELECTION**

- Out of the eligible candidates who have applied and appeared in the examination/counseling, based on the merit list (combined and separately, category wise), are required to submit the documentary evidence of having passed their qualifying examination with required percentage of the aggregate marks.
- The criteria for selection of students having equal marks in the Examination shall be follows:
  - (i) In case of equal marks at the Examination, the candidate securing higher percentage of aggregate marks in the qualifying examination (+2) as mentioned under the admission eligibility criteria.
  - (ii) In case of candidates having equal percentage of aggregate marks in the qualifying examination (+2), the date of birth would be the basis for selection, i.e. the candidate having higher age shall be offered admission first.

- After the declaration of the result, all eligible candidates shall be required to attend the counseling for final offer of admission. Those candidates who do not attend the counseling shall not be considered for admission.
- The candidates qualifying for admission shall be informed about their selection by the College by **“Registered Post”/“Speed Post”**. The College shall not be responsible for the non-receipt of intimation by the candidates.
- No intimation to unsuccessful candidates shall be sent.

### **IMPORTANT**

1. In case any candidate is found to have furnished false information/certificate, etc. or is found to have withheld or concealed some information in his/her Application Form, he /she shall be debarred from admission to this Course.
2. In case, any document required to be submitted along with application form, is not in order, the application shall be summarily rejected.
3. The candidate must note that he/she should not submit original certificates in any case along with the application form. The College does not take any responsibility for returning the original certificates.
4. Any attempt on the part of the candidate to influence the result of the examination directly or indirectly shall result in his/her disqualification.
5. An application form which is incomplete in any respect shall not be accepted / processed.
6. It shall be the responsibility of the candidate to ensure that the correct address is filled in the application form
7. All disputes pertaining to the conduct of the examination shall be within the jurisdiction of the chennai Courts.

### **MEDICAL EXAMINATION**

The selected candidates shall have to undergo a medical examination by the Medical Board set up by the College. If in the assessment by the Medical Board a candidate is found medically unfit to join the course, then he/she shall be rejected and shall not be admitted to the course. The decision of the Board shall be final. In such case, the next student in order of merit shall be offered admission to the course.

### **GENERAL**

If any candidate selected for admission fails to join the course by the prescribed date, his/her seat shall be offered to the candidate next in the merit in the category, without any further correspondence.

### **HOSTEL FACILITY**

The Hostel accommodation may be possible in the undergraduate Hostels separate for boys and girls.

## **COMMENCEMENT OF THE SESSION**

The course shall commence from 1<sup>st</sup> Aug., 2013.

Selected candidates shall be required to bring the following certificates in original for verification. Failure to produce the same may result in cancellation of admission:-

- (a) All original certificates showing the eligibility of the candidate for admission to the 1st year B.Sc. Radiology & Imaging Technology, B.Sc Medical Laboratory Technology, Diploma in Radiology & Imaging Technology.
- (b) Character certificate from the Head of the Institution last attended.
- (c) In case the candidate is already employed, Relieving Certificate and grant of permission to pursue the said course from the Head of the Office/Institution be submitted.

## **CLARIFICATIONS**

1. Merely appearance at the counseling will not entitle the candidate for admission.
2. The admission offered for the 1st year B.Sc. Radiology Imaging Technology ,B.Sc Medical Laboratory Technology, Diploma in Radiology & Imaging Technology Course shall be “Provisional” and in case any discrepancy/ shortcoming/dispute & error with regard to the selection of the candidate is detected at any stage in the eligibility criteria or other norms laid down in the Prospectus for admission to the 1st year B.Sc. Radiology Imaging Technology ,B.Sc Medical Laboratory Technology, Diploma in Radiology & Imaging Technology Course, the decision of the College/ The Tamil Nadu Dr. MGR Medical University shall be final and binding on the candidate.

## **AFTER ADMISSION**

- ATTENDANCE CRITERIA TO APPEAR AT THE UNIVERSITY EXAM: Part-I, II & III rd Year.
- 75% Attendance is compulsory to appear at the exam.

## **SEMESTER MODE OF STUDY:**

The semestrization of this course is at university level. PLEASE VISIT  
([www.tnmmu.ac.in](http://www.tnmmu.ac.in) & [www.tnmgr.ac.in](http://www.tnmgr.ac.in))

## Training & Examinations Modality- B.Sc in Radiology Imaging Technology

	Training Modality	Examinations
1st Year	Theory on 1st year subjects. + Practicals	Theory Examination + Practical + Viva
2nd Year	Theory on 2nd year subjects + Practicals and Log Book.	Theory Examination + Practical +Viva
3rd Year	Theory on 3rd year subjects + Practicals and Log Book	Theory Examination + Practical + Viva
1st Year	<b>Main Subjects (PAPER)</b> 1. Human Anatomy, Physiology & Pathology relevant to Radiology. 2.General Physics, Radiation Physics & Physics of Diagnostic Radiology 3. Radio diagnosis Equipments, Maintenance and Quality Control. <b>PRACTICALS</b> Identification of Bones Identification from Charts & Models on the related subject Identification of X-Ray equipments/ parts.	<b>Supportive Subjects</b> 1.English 2. Basics of Computer 3. Medical Ethics
2nd Year	<b>Main Subjects (PAPER)</b> 4. Clinical Radiography. 5. X-ray Film / Image processing Techniques (Dark Room Techniques) 6. Contrast & Special Radiography procedures. <b>PRACTICALS</b> Long Case -Demonstration of Positioning. Developing and Dark Room Techniques. Contrast Procedure, Log Books Test Marks	<b>Supportive Subjects</b> Patient Care. Principles of Medical Emergencies
3rd Year	<b>Main Subjects (PAPER)</b> 7.Equipments of modern Imaging Modalities 8. Modern Imaging Techniques and Recent Trends in Imaging 9. Radiobiology & Radiation Safety 10. Quality Control in Radiology <b>PRACTICALS</b> Demonstration of Procedure. Identification & describing Radiation Safety equipments.	

## Training & Examinations Modality- diploma in Radiology Imaging Technology

	Training Modality	Examinations
1st Year	Theory on 1st year subjects. + Practicals	Theory Examination + Practical + Viva
2nd Year	Theory on 2nd year subjects + Practicals and Log Book.	Theory Examination + Practical +Viva
1st Year	<b>Main Subjects (PAPER)</b> 1.Human Anatomy, Physiology & Pathology relevantto Radiology. 2.General Physics, Radiation Physics & Physics of Diagnostic Radiology 3. X-Ray Machines & Accessories, Maintenance. 4. X-ray Film / Image processing Techniques (Dark Room Techniques). <b>PRACTICALS</b> Identification of Bones Dark room Techniques Identification from Charts & Models on the related subject Identification of X-Ray equipments/ parts.	<b>Supportive Subjects</b>  1.English 2. Basics of Computer 3. Medical Ethics and Patient care
2nd Year	<b>Main Subjects (PAPER)</b> 5. Clinical Radiography-Positioning 6. Equipments, Techniques of modern Imaging Modalities 7. Contrast & Special Radiography procedures. 8.Quality Control at Radiology & Radiation Safety <b>PRACTICALS</b> Long Case -Demonstration of Positioning. Short Case -2 a. Contrast Procedure b. Developing and Dark Room Techniques. Log Books    Test Marks	<b>Supportive Subjects</b>  Principles of Medical Emergencies

## Training & Examinations Modality- B.Sc in medical laboratory Technology

	Training Modality	Examinations
1st Year	Theory on 1st year subjects. + Practicals	Theory Examination + Practical + Viva
2nd Year	Theory on 2nd year subjects + Practicals and Log Book.	Theory Examination + Practical +Viva
3rd Year	Theory on 3rd year subjects + Practicals and Log Book	Theory Examination + Practical + Viva
1st Year	<b>Main Subjects (PAPER)</b> 1. Human Biology 2. BASIC CHEMISTRY 3. General methodology 4. Physics & principles of instrumentation <b>PRACTICALS</b>	<b>Supportive Subjects</b>  1. English 2. Basics of Computer 3. Medical Ethics
2nd Year	<b>Main Subjects (PAPER)</b> 5. Histopathology & cytologytechniques. 6. Biochemistry I 7. Clinical pathology & basic Haematology 8. Microbiology I & parasitology ,entomology <b>PRACTICALS</b>	<b>Supportive Subjects</b>  Patient Care.
3rd Year	<b>Main Subjects (PAPER)</b> 9. Coagulation & transfusion med 10. Biochemistry II 11. Microbiology II <b>PRACTICALS</b>	

## **FEES AND OTHER CHARGES**

**Fees and other Charges for the course will be as follows:**

	Annual Charge	At The Time of Admission
<b>(A) College Funds</b>		
Admission Fee		2400.00
Information Hand Book, Forms Etc.		500.00
Tuition fee	25000.00	
College Lab. Maintenance	2500.00	
College Library	2500.00	
Identity Card Fee		100.00
Terminal Examination Fee	25.00	
WUS	5.00	
<b>(B) University Funds</b>		
University Athletic Fee	50.00	
University Cultural Council Fee	100.00	
University Development Fee	300.00	
NSS	20.00	
<b>(A) Students funds</b>		
Sports & Games	450.00	
Students & Union Fund	100.00	
Cultural & Creative Activities	1250.00	
Students Publications	150.00	
Students Aid Fund	100.00	
*Development Fund	600.00	
Medical Fee	100.00	
College day Celebration	500.00	
College Computer Maintenance *S/C S/T Student exempted	1250.00	
<b>(B) Caution Money:</b>		
College		1000.00
Library		1000.00
<b>TOTAL</b>	<b>35000.00</b>	<b>5000.00</b>
<b>GRAND TOTAL</b>	<b>40000.00</b>	

**NOTE:** The above fee amount & structure are subject to change.

### **Additional Charges:**

1. University enrolment Fee : Rs. 1,500/- (One time)
2. University Examination Fee : Rs. 500/- (Per PAPER)
3. Hostel and Mess fees

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