

MEMORANDUM OF UNDERSTANDING (MOU)

AGREEMENT FOR SCIENTIFIC COOPERATION IN RESEARCH BETWEEN THE INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE, INDIA (An Autonomous Institute under Ministry of Earth Sciences, Govt. of India) AND SRI RAMACHANDRA UNIVERSITY, PORUR, CHENNAI

The Indian Institute of Tropical Meteorology (IITM), Pune is an autonomous premier research institute under Ministry of Earth Sciences, Govt. of India working on air quality and weather and their environmental impacts. The deteriorating air quality and extreme weather phenomenon in the metropolitan cities has become one of the major causes of societal concern as they are directly related to urban planning, Human Health and Agriculture. It is increasingly becoming important to make a common citizen aware of the current level of air quality and provide its forecast well in advance along with weather information so that preventive measures can be taken up. In view of the common wish to continue relations for scientific collaboration between the research institutions/university (located at scientifically strategic location) in the fields of mutual interest, the Indian Institute of Tropical Meteorology, Pune (hereinafter referred to as **IITM**) and Sri Ramachandra University, Porur, Chennai (hereinafter referred to as **SRU**), in harmony with the spirit of scientific collaboration within the country and to spread front line atmospheric sciences research in Indian universities that characterises relations between them, have agreed to sign the following:

Agreement for Scientific and Cultural Collaboration

(Objective)

Article 1

The **SRU** and the **IITM** will endeavour to enhance research activities by supporting the other Party's research efforts under the principle of respecting mutual autonomy. In particular both Parties will contribute to the development of integrated modelling and monitoring systems for effective air pollution assessment and applied research both at regional and national scale.

(Areas for and contents of collaboration)

Article 2

Areas for collaboration between the two Parties will involve integrated monitoring and assessment modelling for air quality evaluation, impacts and planning, including:

- Regular monitoring of all major air pollutants along with meteorological fields,
- Validation of 3-D online chemical-transport modelling of air pollutants,
- Evaluation of impact of air pollution on Health and critical population exposure.

(Exchange of research staff)

Article 3

The exchange is defined principally in the following ways:

- a) The Parties will agree to the reciprocal exchange of staff and Ph.D. students for study visits, research, conferences, and will favour the exchange of scientific experience and knowledge.

- b) The Parties will share information about conferences, symposium and seminars organised at national level.
- c) The Parties will provide the basic infrastructural facilities in-kind to the visiting researchers for carrying out research activity in their organization /University /institute.

(Administrative Aspects and Infrastructure)

Article 4

- The Air Quality Monitoring System (includes expensive and sophisticated scientific instruments and related accessories) will be fully sponsored, procured by IITM. The IITM will also install and commission it in a suitable location in city campus and will also maintain it regularly through OMC (Operational and Maintenance Contract) by deputing one contract engineer. The scientific data product of the project may be utilized by both the parties in mutual collaboration for maximum scientific benefit. All the instruments provided by IITM and the data generated will remain the property of IITM. Dissemination of the data will remain the prerogative of IITM.
- The host institution (SRU) will provide all possible in-kind infrastructural facilities including a well-furnished laboratory room for installation and operation of instrument of a minimum size of 15 x15 ft² with adequate power points and power supply of around 7KW in a suitable location as per the SOP (Standard Operating Protocol) guidelines which may be decided mutually.
- The SRU will designate one scientist /staff who will act as local coordinator responsible for administrative as well as scientific work for this project from SRU.

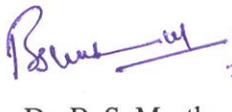
(Term of the agreement)

Article 5

The agreement will come into act with the signatures of the appointed representatives of the two Parties & will have duration of five years. Both parties reserve the right to terminate the agreement by issuing two month's prior notice to that effect. After the expiry of current agreement, it may be renewed for additional terms upon the mutual approval from both Parties. Any dispute related to this Agreement shall be settled by negotiations between the two institutions. In case this is not successful, the dispute shall be resolved through arbitrator appointed by the two Parties by mutual agreement at the level of Scientist-F or above from IITM and collaborating institute. The rules and venue for the proceedings of arbitration shall be as mutually agreed between the Parties. The ruling of the arbitrator shall be final and binding on both parties.

Prof. S. Sankar
Local PI and Head
Dept. of Environmental Health Engr.
SRU, Chennai

Dr. P. V. Vijayaraghavan
Vice-Chancellor
SRU, Chennai

 25/2/20

Dr. B. S. Murthy
Scientist-F
IITM, Pune


Prof. Ravi S. Nanjundiah
Director
IITM, Pune

प्रो. रवि. एस. नन्जुन्दिया / Prof. Ravi S. Nanjundiah
निदेशक / Director
भारतीय उष्णदेशीय मौसम विज्ञान संस्थान
INDIAN INSTITUTE OF TROPICAL METEOROLOGY
डॉ. होमी भाभा रोड / Dr Homi Bhabha Road,
पाषाण, पुणे / Pashan, Pune

Zimbra

murthy@tropmet.res.in

Fwd: MAPAN list of instruments

Mon, Jun 08, 2020 07:11 PM



From : Arul Selvan <arul@ehe.org.in>
Subject : Fwd: MAPAN list of instruments
To : shahana bano <shahana.bano@tropmet.res.in>
Cc : murthy@tropmet.res.in, hod ehe
<hod.ehe@sriramachandra.edu.in>

Dear Sir,

Herewith I am sending you the list of equipments which were operated in Sri Ramachandra Institute of Higher Education & Research, Porur, Chennai MAPAN station. Please let me know if you have any query.

1. Ozone Analyser - EC9810 with accessories
2. Nitric Oxide (NO), Total Oxides of Nitrogen & Nitrogen dioxide - EC9841 with accessories
3. PM10 - BAM-1020 with accessories
4. PM2.5 - BAM-1020 with accessories
5. Methane & Total Non Methane Hydrocarbon - Alpha 115 with accessories
6. Carbon Monoxide - EC9830 with accessories
7. Furnace
8. Desktop, CPU, Keyboard with accessories

--

Thanks & Regards

S. Arulselvan., B.Tech., M.E.,

Department of Environmental Health Engineering,

Faculty of Public Health,

Sri Ramachandra Institute of Higher Education and Research,

Porur, Chennai-600116.

Phone No: 044-45928547

Fax No: 044-24767008

E.mail: arul@ehe.org.inUrl: www.srmc-ehe.org.in



Rajkumar Kumar P. <rajkumar@ehe.org.in>

SRIHER: Field Visit on EVS & Meditation - reg.

4 messages

Rajkumar Kumar P. <rajkumar@ehe.org.in>
To: Vinay Krishna <vinaybc@gmail.com>

Fri, Apr 12, 2019 at 5:45 PM

Dear Brother,

In continuation with our telephonic conversation, please find below the details of the students who will be visiting Vrindavan coming Tuesday (**Apr 16th**).

Total strength - 80

No. of students - 73 (UG Streams - Occupational Therapy, Bio-Informatics & Sports Science)

No. of teaching staff - 3

No. of vehicle staff - 4

Reaching time: About 10 am (will try to make it earlier considering the weather).

Tentative schedule

SN	Session	Time	Subject/Content
1.	Field work	10 – 11 am (depending on arrival time, can be earlier)	Tree plantation / Organic Farming activity
2.	Lecture	11 – 12 noon	Organic farming & Terrace gardening
3.	Brief / Presentation	12 – 12:30 pm	Meditation
4.	Practice	12:30 – 1 pm	Meditation

Note: The one change (from that of our usual program) is that i am suggesting the field work to be done first (considering the weather). PI plan the refreshments & lunch accordingly.

I will intimate the contact no. of the person from SRIHER on Monday or latest by Tuesday morning. Please provide me with the details of contact person at your end by about the same time.

Thank you.

Regards

Rajkumar P - Lecturer

Dept. of Environmental Health Engineering

Faculty of Public Health

Sri Ramachandra Institute of Higher Education & Research (SRIHER)

Chennai - 600116

Mob: +91-9710405352

Tel : +91-44-45928547

Rajkumar Kumar P. <rajkumar@ehe.org.in>
To: Selva R <reachselvar@yahoo.com>

Sat, Apr 13, 2019 at 8:57 PM

[Quoted text hidden]

--

[Quoted text hidden]

Vinay Krishna <vinaybc@gmail.com>

Sat, Apr 13, 2019 at 10:05 PM

To: "Rajkumar Kumar P." <rajkumar@ehe.org.in>, Selva R <reachselvar@yahoo.com>, mtarasu10 <mtarasu10@gmail.com>, Kshitij Prajapati <kshitij@sahaj@gmail.com>

Thanks Rajkumar Sir.

Looping other people for the event.

Warm Regards,
Vinay

Get [Outlook for Android](#)

From: Rajkumar Kumar P. <rajkumar@ehe.org.in>
Sent: Friday, April 12, 2019 5:45:55 PM
To: Vinay Krishna
Subject: SRIHER: Field Visit on EVS & Meditation - reg.

[Quoted text hidden]

Rajkumar Kumar P. <rajkumar@ehe.org.in> Mon, Apr 15, 2019 at 8:11 AM
To: Vinay Krishna <vinaybc@gmail.com>
Cc: Selva R <reachselvar@yahoo.com>, mtarasu10 <mtarasu10@gmail.com>, Kshitij Prajapati <kshitijsahaj@gmail.com>

Ok, sir. Mr. Selva had called the other day. Thank you for arranging at the short notice.

Regards
Rajkumar P - Lecturer
Dept. of Environmental Health Engineering
Faculty of Public Health
Sri Ramachandra Institute of Higher Education & Research (SRIHER)
Chennai - 600116

Mob: +91-9710405352
Tel : +91-44-45928547

[Quoted text hidden]

Heartfulness Excellence Program Photos

Tree Plantation



Roof Gardening Lecture





MASTER OF PUBLIC HEALTH (MPH)



Sri Ramachandra Institute of Higher Education and Research

(Declared under section 3 of the UGC Act, 1956)
Accredited by NAAC with 'A' Grade

As per the requirement of UGC and NAAC, the new MPH curriculum has been developed under the Choice Based Credit System (CBCS) pattern. It allows the students to choose elective and enhancement courses from a select set of choices, in addition to the core courses. This helps the students not only to learn elective courses of their interest but also to acquire more credits. The students are trained in environmental and occupational aspects of public health. The students emerge as experts in environmental and occupational health which will enable them to become EHS specialists/public health consultants/academicians and researchers.

Eligibility

A candidate desiring to join the 2-year degree program leading to the Master of Public Health (MPH) Degree Program in Occupational and Environmental Health should have passed MBBS/ BDS/ B.Sc. Nursing/ B. Pharm/ BPT/ BASLP/ BAHS/ B.Tech (Chemical Engineering)/ BE (Civil or Public Health Eng.)/ B.Sc. (Chemistry, Environmental Sciences, Botany, Zoology, Biotechnology or any other life science programs)/ M.Sc. (Chemistry, Environmental Sciences, Botany, Zoology, Biotechnology or any other life science programs)// or equivalent degree (Engineering/Science/Health Science) of any institution/university recognized by the AICTE/UGC

Career Opportunities

In International Organizations (WHO, USEPA, UNICEF, UNESCO, UNEP), Public Sector, & Public Health Services (NRHM, State Health Services etc) NGOs, Academic Institutions, Industries (as Occupational Health & Safety Professional), etc.

Commencement and Duration

The course has been designed as a two-year degree program and starts in July of every academic year

Fee: The tuition fee per academic year is Rs. 1,25,000/-.

Admissions

General/ Foreign/NRI Category: Students are admitted on the basis of marks obtained in the qualifying examination and Personal Interview.

Course Outline

- Introduction to Epidemiology
- Introduction to Biostatistics
- Introduction to Occupational and Environmental Health
- Environmental and Occupational Toxicology
- Professional Skills Development
- Toxicology and Environmental Quality Monitoring Lab
- Applied Epidemiology
- Intermediate Biostatistics
- Fundamentals of Industrial Hygiene
- Fundamentals of Industrial Safety
- Industrial Hygiene and Safety Lab
- Environmental Exposure Assessment Strategies and Control Techniques
- Social and Behavioral Sciences in Health
- Health Policy and Management
- International health
- Public Health Nutrition
- Advanced seminar series (Occupational & Environmental Health)
- Exposure Assessment Lab
- Dissertation

Electives & Enhancement courses

- Health Science Data Analysis using R-Statistical Software
- Occupational Health Services
- Basic quantitative research tools for clinical and public health research
- Air Quality Assessment
- Public Health Communication

Facilities	Alumni placed in
State-of-the-art analytical laboratory	Chemical and Engineering Industries
Central and mobile environmental monitoring laboratory	IT industry
Industrial hygiene & safety laboratory	Healthcare Industry
Occupational health lab with mobile diagnostic facility	Public Health Foundation of India
Industrial collaboration for field visits	INCLIN Trust International, New Delhi
Access to collaborative department laboratories:	Occupational Health Sectors
✓ Anatomy & Physiology	Riskchem Academy
✓ Audiology, speech, language & hearing sciences	ISS India consultancy services
✓ Chest medicine.	NGOs with Occupational and Environmental Health Focus
✓ Dermatology	National Institute of Family Welfare, Tamil Nadu
✓ Ophthalmology	And others in Environment, Health and Safety focus



Further Information

About the Department : www.srmc-ehe.org.in
 About the University: www.sriramachandra.edu.in
 Application Form : <http://srmcehe.org.in/mpd.php>

For any other Information Contact

Dr. S. Sankar Ph. D.,
 Professor & Head
 Department of Environmental Health Engineering,
 Sri Ramachandra University, Porur, Chennai – 600 116,
 Phone: 044- 45928547 Mobile : +91-9941005560
 E-mail: sankars@ehe.org.in

Research Focal Areas of the Department

Air pollution and health effects in rural and urban populations of rapidly developing countries

Populations in rapidly developing countries face an enormous health burden from air pollution on account of high and often extreme exposures to emissions from a variety of sources in the household, ambient and occupational environments. The EHE team has led large scale exposure measurement exercises across multiple states in India as well as assisted in scoping exposure assessment methods in many Asian countries to specifically address the heterogeneity and complexity of air pollution exposure profiles experienced by both rural and urban populations. Collectively, these studies have generated an expansive base of exposure information, informing both regional and global efforts to estimate the health effects of air pollution and disease burdens. They have also informed the intervention efforts related to household air pollution from cook-fuels in rural communities.

Assessing neuro-behavioral impacts of lead in children in India

Despite the phasing out of leaded gasoline in the late 1990s, exposures to lead continue to pose health risks for children in India. The EHE team has been involved in a long-term collaboration with investigators at Harvard University to profile the exposures in children as well as assess associated neuro-behavioural impacts and the role of gene-polymorphisms in effect modification. These studies provide some of the first continuous exposure-response relationships for lead and neuro-behaviour in India.

Climate change, heat stress and worker productivity

Occupational heat stress is rapidly becoming a major concern for worker productivity in the face of climate change. The EHE team is mapping vulnerabilities for impacts of heat stress on workers across multiple industrial sectors.

Developing academic and research infra-structure for environmental and occupational health in India

The department has been involved with a network of more than 50 national and international organizations for research and training collaborations, the most notable amongst them being the collaboration with UC Berkeley under support from the ITREOH program of The Fogarty International Center and the International Integrated Experts Program of the GTZ. The department also provides routine occupational safety and health consultancy services to a wide spectrum of industries.

Why to Study Environmental Health Science

- According to WHO estimates, 12.6 million people died as a result of living or working in an unhealthy environment.
- Deaths due to non-communicable diseases such as air pollution amount to as much as 8.2 million.
- The deaths of 1.7 million children under 5 and 4.9 million adults aged 50 to 75 could be prevented through better environmental management.
- Ever increasing research data and awareness about the hazardous nature of pollution and tougher laws to have a cleaner environment is expected to drive the demand for environmental scientists and specialists.
- Rapidly developing countries including India bear a large proportion of this burden but yet lack capacities to recognize, assess and manage environmental hazards.

Skilled human resources are scarce in the area of environmental health, affording graduates in this discipline numerous opportunities to pursue a career of their choice.

FACILITIES AND RESEARCH ACTIVITIES OF THE DEPARTMENT



CONTACT INFORMATION

Dept. of Environmental Health Engineering,
Faculty of Public Health,
SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Deemed to be University),
Porur, Chennai – 600 116,
Tamil Nadu, India.

Email: hod.che@sriramachandra.edu.in
vinayagamoorthy@sriramachandra.edu.in

Mobile: 9941005560 /9486714915

For Further Detail

www.srmc-che.org.in or www.sriramachandra.edu.in



SRI RAMACHANDRA

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Deemed to be University)
PORUR, CHENNAI - 600 116

Accredited by NAAC (cycle-2) with 'A' Grade
(CGPA of 3.62 on a 4-point scale) & Graded by
UGC as Category I University

Bachelor of Science (Hons)
in
Environmental Health Sciences
(Full time-4 Years)

**DEPARTMENT OF ENVIRONMENTAL
HEALTH ENGINEERING,
FACULTY OF PUBLIC HEALTH**

*A WORLD HEALTH ORGANIZATION
COLLABORATING CENTER
FOR OCCUPATIONAL & ENVIRONMENTAL HEALTH
AND
SRU-ICMR CENTER FOR ADVANCED RESEARCH ON
AIR QUALITY, CLIMATE AND HEALTH*



About SRI RAMACHANDRA

Sri Ramachandra Institute of Higher Education and Research (Deemed to be University) was established by Sri Ramachandra Educational and Health Trust in the year 1985 as a private not-for-profit self-financing institution and dedicated to serve the society as a centre of excellence with emphasis on medical education, research and health care. Over three decades, the institute has transformed into a full-fledged Deemed to be University with 11 Constituent Colleges offering 114 UG and PG programs in health care sciences. The university is spread over 150 acres, with a refreshingly green campus. The university is awarded with several national and international accreditations, few of which are below.

- Graded by UGC as **Category I University in June 2018** for maintaining consistently high academic standards, among the 11 deemed Universities that have been granted such status in the whole of India.
- Accredited by NAAC (cycle-2) with **"A" Grade** (CGPA of **3.62** on a **4-point scale**).
- The University has achieved the distinction of being placed at the **40th rank among all Universities in India by the MHRD NIRF Ranking 2018**.
- **Ranked 3rd among category** of Technical Institutions by **MHRD SWACHHTA RANKING 2017** of Higher Educational Institutions, for maintaining a clean, hygienic and green campus.

FACULTY OF PUBLIC HEALTH



WHO Global Network of CCs in Occupational Health
www.who.int/occupational_health

The Department of Environmental Health Engineering, Faculty of public Health, Sri Ramachandra Institute of Higher Education and Research (Deemed to be University) was set up, as a part of the Basic Science Research Wing of the university in 1998 with the aid of financial assistance provided by the United Nations Industrial Development Organization (UNIDO). The department originally set up to provide occupational safety and industrial hygiene monitoring services to the leather/tanning industry in Tamil Nadu, has since then expanded to include Academic, Research and Training in this area.

- The Department serves as a **World Health Organisation Collaborating Center. Being one of only 3 such centers in the South East Asia region**, the center is a leading contributor to research and training in recognition, evaluation and management of environmental and occupational health risks.

- The department is recognised as a **Center For Advanced Research for Research on Air Quality, Climate and Health by the Indian Council of Medical Research, Govt. Of India**.
- The main emphases of our research programs include **air pollution and health risk assessments, occupational hygiene and health, and policies related to environmental health**.
- With more than 2 decades of experience in global environmental health research, students can expect to receive world class training within and outside the classroom that will include opportunities for research, and industrial rotations.
- The faculty collaboration spans across more than 50 national and international institutions.

INTRODUCTION ABOUT THE B.Sc. (Hons) IN ENVIRONMENTAL HEALTH SCIENCES PROGRAM

- The duration of **B.Sc. (Hons) Environmental Health Sciences program** shall be Four Years (3 academic years comprising six semesters and 1 year of exclusive training in various laboratories).
- It provides a profound theoretical and practical knowledge in air quality, water quality, food quality, ecology, environmental health and chemistry, basic physics, microbiology, biochemistry, public health, atmospheric chemistry, interaction of human physiology and body systems with environmental exposures, toxicology and diseases, social and human behaviour, environmental management systems, legislation and standards pertaining to environmental health.
- Foundation teaching will be covered in the first three years and beginning of year four, the students will start their research and laboratory/field rotations.
- Main strength of this UG Program in Environmental Health Sciences is the wide variety of topics covered which provides the student broader area of relevant knowledge. It also provides the student with adequate qualifications across a number of fields, to aid more scope for higher education/employment upon completing the course.

PROFESSIONAL TRAINING

- The students will be rotated to laboratories, governmental and non-governmental organizations for gaining practical training to facilitate learning by observation and practice.
- The training covers the requirement aspects of the accrediting body, which will increase the scope of employment opportunities.
- It is designed to allow the student to undertake supervised environmental health professional training, thus developing their practical, professional and employability skills.

PROGRAM ELIGIBILITY

HSC/CBSE/ISC or equivalent examination with one of the following subject combinations:

- (i) Physics, Chemistry, Biology and Mathematics(OR)
- (ii) Physics, Chemistry, Botany and Zoology

ELIGIBILITY FOR HIGHER STUDIES IN INDIA AND ABROAD:

The B.Sc. (Hons) in Environmental Health Sciences Program is eligible for pursuing the following higher studies in India and abroad. The student while going for higher studies shall choose to specialize in

- Environmental Sciences
- Public Health
- Molecular Biology
- Other Life Science Programs
- Biotechnology
- Bioinformatics
- Human Genetics

CAREER/ PLACEMENT OPPORTUNITIES

- Colleges and Universities
(Higher Studies/Research Project Assistant)
- Industries – For example distilleries, fertilizer plants, mines, refineries, textile mills etc
&
Environmental Testing Laboratories
[Technician/Analyst in Good Laboratory Practice (GLP), Water, Air and Food quality Testing]
- Research and Development
&
Non-Government Organisation (NGOs)
(Project/Research/Field Technician & Laboratory Technologist)
- Toxicity Testing Laboratories
(Environmental/Toxicological risk assessment /GLP analyst)
- Private Sector-Waste Management
(Manager/Coordinator/ Technologist)
- Environmental Consulting Organizations
(Environmental Risk/ Impact Assessment/ Management specialist)
- Environment and Health Department
(Health and Environment promotion staff)

COURSE FEE

The tuition fee per academic year is Rs.75,000/-

DATE OF ADMISSION

Advertisement for admission will be published in the leading Newspaper as well as in the University Website during the month of April and the classes will commence normally from 2nd week of June of the academic year.

Research Focal Areas of the Department

Air pollution and health effects in rural and urban populations of rapidly developing countries

Populations in rapidly developing countries face an enormous health burden from air pollution on account of high and often extreme exposures to emissions from a variety of sources in the household, ambient and occupational environments. The EHE team has led large-scale exposure measurement exercises across multiple states in India as well as assisted in scoping exposure assessment methods in many Asian countries to specifically address the heterogeneity and complexity of air pollution exposure profiles, experienced by both rural and urban populations. Collectively, these studies have generated an expansive base of knowledge on exposure informing both regional and global efforts to estimate the health effects of air pollution and disease burdens. They have also informed the intervention efforts related to household air pollution from cook-fuels in rural communities.

Assessing neuro-behavioral impacts of lead in children in India

Despite the phasing out of leaded gasoline in the late 1990s, exposures to lead continue to pose health risks for children in India. The EHE team has been involved in a long-term collaboration with investigators at Harvard University to profile the exposures in children as well as assess associated neuro-behavioural impacts and the role of gene-polymorphisms in effect modification. These studies provide some of the first continuous exposure-response relationships for lead and neuro-behaviour in India.

Climate change, heat stress and worker productivity

Occupational heat stress is rapidly becoming a major concern for worker productivity in the face of climate change. The EHE team is mapping vulnerabilities for impacts of heat stress on workers across multiple industrial sectors.

Developing academic and research infrastructure for environmental and occupational health in India

The department has been involved with a network of more than 50 national and international organizations for research and training collaborations, the most notable amongst them being the collaboration with UC Berkeley under support from the ITREOH program of The Fogarty International Center and the International Integrated Experts Program of the GTZ. The department also provides routine occupational safety and health consultancy services to a wide spectrum of industries.

Need for Public Health Professionals

- There is an imminent need for developing and implementing public health policies and programs in the face of emerging health transition in order to manage
 - new communicable diseases (like the current COVID-19 pandemic), as well as
 - increasing incidence of non-communicable diseases (WHO estimate – Deaths due to non-communicable diseases such as air pollution amount to as much as 8.2 million).
- Moreover, the World Health Organization (Calcutta Declaration) has also emphasized the need for Public Health training.
- Government of India has highlighted that a large number of specialists should be trained in Public Health (National Health Policy, 2002).
- There is a growing demand for professionals with sound scientific knowledge and skills in the service of public health.

Facilities and Research Activities of the Department



CONTACT INFORMATION

Dept. of Environmental Health Engineering,
Faculty of Public Health,
SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Deemed to be University),
Porur, Chennai – 600 116,
Tamil Nadu, India.

Email: hod.ehe@sriramachandra.edu.in

Mobile: 9941005560

For further details

www.srmc-ehe.org.in or www.sriramachandra.edu.in



SRI RAMACHANDRA

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Category - I Deemed to be University) Porur, Chennai



NIRF RANK 2020

28 University | 13 Medical | 07 Dental | 26 Pharmacy



A++
NAAC CYCLE 3
ACCREDITATION

**Bachelor of Science
in
Public Health
(Full time – 3 Years)**

**Department of Environmental Health
Engineering,**

**SRI RAMACHANDRA
Faculty of Public Health**

*A World Health Organization
Collaborating Center
for Occupational and Environmental Health
&
SRU-ICMR Center for Advanced Research on
Air Quality, Climate and Health*



About SRIHER

Sri Ramachandra Institute of Higher Education and Research (Deemed to be University) was established by Sri Ramachandra Educational and Health Trust in the year 1985 as a private not-for-profit self-financing institution and dedicated to serve the society as a centre of excellence with emphasis on medical education, research and healthcare. Over three decades, the institute has transformed into a full-fledged Deemed to be University with 11 Constituent Colleges offering 114 UG and PG programs in healthcare sciences. The university is spread over 150 acres, with a refreshingly-green campus. The university is awarded with several national and international accreditations, few of which are below.

- Graded by UGC as **Category I University in June 2018** for maintaining consistently high academic standards, among the 11 deemed Universities that have been granted such status in the whole of India.
- Accredited by NAAC (Cycle-2) with **"A" Grade** (with CGPA of **3.62** on a **4-point scale**)
- The University has achieved the distinction of being placed at the **28th rank among all Universities in India by the MHRD NIRF Ranking 2020**
- **Ranked 3rd among category** of Technical Institutions by **MHRD SWACHHTA RANKING 2017** of Higher Educational Institutions for maintaining a clean, hygienic and green campus.

FACULTY OF PUBLIC HEALTH



WHO Global Network of CCs in Occupational Health

www.who.int/occupational_health

The **Department of Environmental Health Engineering**, Faculty of public Health, Sri Ramachandra Institute of Higher Education and Research (Deemed to be University) was set up, as a part of the Basic Science Research Wing of the University in 1998 with the aid of financial assistance provided by the United Nations Industrial Development Organization (UNIDO). The department originally set up to provide occupational safety and industrial hygiene monitoring services to the leather/tanning industry in Tamil Nadu, has since then expanded to include academic, research and training in this area.

- The Department serves as a **World Health Organisation Collaborating Center. Being one of only 3 such centers in the South East Asia region**, it is a leading contributor to research and training in recognition, evaluation and management of environmental and occupational health risks.

- The department is recognised as a **Center For Advanced Research for Research on Air Quality, Climate and Health by the Indian Council of Medical Research, Govt. of India .**
- The main emphases of our research programs include **air pollution and health risk assessments, occupational hygiene and health, and policies related to environmental health with implications related to the general public.**
- With more than 2 decades of experience in global environmental health research, students can expect to receive world class training within and outside the classroom that will include opportunities for service in the areas of public health.
- The faculty collaboration spans across more than 50 national and international institutions.

The B.Sc. Public Health Program

- The duration of **B.Sc. Public Health program** shall be THREE academic years comprising of six semesters.
- The program
 - introduces the student to the concepts of public health
 - orients on the basics of medical sciences, psychology, social sciences and toxicology
 - explores the key areas of water, sanitation and environmental pollution
 - emphasizes the importance of public health nutrition, and prevention of communicable & non-communicable diseases
 - focuses on public health needs of special groups
 - trains in communication skills, health education & communication, health administration & promotion, health economics & informatics
 - imparts the basic knowledge on public health ethics & law and policy, and basic training on food safety and quality control
 - prepares for conducting public health research and managing projects

Field Practicum

- The program provides extensive practical/field experience in public health practice, with a dedicated & comprehensive coverage across 3 semesters

Program Eligibility

HSC/CBSE/ISC or equivalent examination

- In any stream

Eligibility for Higher Studies

After successful completion of their under graduation, these students can pursue higher studies in the areas of

- Public Health
 - MPH (All Streams)
- Social Sciences
 - MSW
 - M.Sc. Sociology
- Health Administration
 - MBA

Career/ Placement Opportunities

- Colleges and Universities
 - Higher Studies/Research Project Assistant
- Laboratories
 - Technician/Analyst in Food quality Testing
- Research and Development & NGOs
 - Project Supervisor/ Field Coordinator, Social Worker
- Community Development Blocks
 - Public Health Manager
- Corporations/Municipalities
 - Health Inspector*, Food Inspector^
- Health Department
 - Health promotion staff

* - An additional course has to be completed

^ - A qualifying exam has to be cleared

Course Fee

The tuition fee per academic year is **Rs. 75,000/-**

Admission

Aug-Sep 2021