



GITAM
DEEMED TO BE UNIVERSITY

BENGALURU • HYDERABAD • VISAKHAPATNAM



SDG # 3

Progress Report : 2022-23

Introduction:

Sustainable Development Goal 3 (SDG 3) aims to ensure healthy lives and promote well-being for all at all ages. It recognizes the importance of health as a fundamental component of sustainable development. SDG 3 addresses a wide range of health issues, including maternal and child health, infectious diseases, non-communicable diseases, mental health, and access to essential health services. Key targets include reducing the global maternal mortality ratio, ending epidemics of communicable diseases, ensuring universal health coverage, and promoting mental health and well-being. Achieving SDG 3 requires collaboration across sectors, investment in health systems, and a focus on health equity to address the needs of the most vulnerable populations. By prioritizing health and well-being, SDG 3 not only contributes to individual quality of life but also supports economic growth and social stability, ultimately fostering a more sustainable future for all.

Research:

☞ Research Publications in Scopus Index: GITAM has a relative activity index of 0.91 in its Scopus indexed publications relating to SDG3 during the reference period of 2021-2023.

☞ Projects:

GITAM is supported by 12 projects. Here's a brief overview of the research projects led by each of the mentioned researchers, highlighting their contributions to the field of good health and well-being:

Dr. Kalyani Paidikondala: Focuses on designing a library of compounds to identify potent inhibitors of interleukin-2 inducible T-cell kinase (ITK) for treating inflammation and cancer, aiming to enhance therapeutic options for these diseases.

Dr. Neeraj Kumar Mishra: Studies the regulation of the human Na⁺/K⁺ ATPase by FXYD proteins, contributing to the understanding of ion transport mechanisms that are crucial for cellular function and

stability.

Dr. Rajyalakshmi Chepuru: Works on comprehensive management strategies for tuberculosis (TB) in tribal communities, emphasizing decentralized care services to improve access and outcomes for underserved populations.

Dr. Rahul Kumar: Investigates the use of microspheres for delivering drugs across the blood-brain barrier, aiming to enhance the treatment of neurological disorders.

Dr. Krishna Pallavi Jangala: Develops analytical models for assessing the shelf life of highly perishable fruits and vegetables using physical and gaseous preservatives, contributing to food quality management.

Dr. Brajogopal Samanta: Conducts metagenomic research on the marine macroalgal epiphytic microbiome to discover novel drug targets, enhancing the potential for new therapeutic agents.

Dr. T. Ramana: Engages in one-pot synthesis of fused 1,2,3-triazoles via click and cross-coupling reactions, contributing to synthetic chemistry and the development of new compounds.

Dr. Suresh Maddila: Investigates the synthesis and anticancer properties of new thieno[2,3-d]pyrimidine thiazole derivatives, aiming to discover effective cancer treatments.

Dr. Saikiran Vadavalli: Studies semiconductor and metal nanoparticles in high-k dielectric oxide layers for memory applications, exploring modifications through ion beam irradiation to enhance performance.

Dr. K. Lakshun Naidu: Focuses on surface-enhanced Raman scattering (SERS) from graphene-related materials for biosensing applications, examining the underlying mechanisms of enhancement.

Dr. Anik Sen: Conducts in silico studies to inhibit the efficiency of the OGC enzyme and natural polyamines, aiming to develop strategies for cancer prevention.

Dr. Rahul Kumar: Explores the role of SIRT1 in hyperhomocysteinemia-related blood-brain barrier impairment, contributing to understanding neurological disease mechanisms.

These projects collectively represent significant advancements in health,

environmental science, and materials research, each addressing critical challenges in their respective fields.

Education:

GITAM deemed to be University has an off campus in Visakhapatnam known as GITAM Institute of Medical Sciences and Research (GIMSR). This off campus provides programmes that generated health professional.

- ☞ GITAM offers a Bachelor of Medicine and Bachelor of Surgery or MBBS, a 4-year undergraduate program in Medicine.
- ☞ GITAM offers 14 PG (MD/MS) programs.
 - MD – Anaesthesiology,
 - MD – Dermatology,
 - MD - General Medicine,
 - MS - General Surgery,
 - MS - Obstetrics & Gynecology,
 - MS – Ophthalmology,
 - MS – Orthopedics,
 - MS - Otorhinolaryngology (ENT),
 - MD – Paediatrics,
 - MD – Pathology,
 - MD - Preventive & Social Medicine,
 - MD – Psychiatry,
 - MD - Radio – diagnosis,
 - MD - TB & Respiratory diseases
- ☞ GITAM offers 4 undergraduate programs relating to paramedical sciences
 - B. Sc. Anesthesia Technology
 - B. Optometry
 - B. Sc. Radiology & Imaging Technology
 - B. Sc. Emergency Medical Technology (EMT)
 - B. Sc. Medical Lab Technology (MLT)
- ☞ GITAM offers Bachelor of Physiotherapy program
- ☞ GITAM offers Under Graduate program B. Sc. Nursing and Post graduate Program M. Sc. Nursing.
- ☞ GITAM offers Under Graduate Program in Pharmacy and 5 Post graduate programs in Pharmacy studies.
- ☞ GITAM offers Ph. D. program in Pharmacy relating to the five areas of its Masters programs.
- ☞ GITAM offers Health Care and Hospital Management programs at Post graduate level.

Apart from these programs GITAM offers other programs in the areas of

Microbiology, Food Sciences and Technology, Biotechnology which also offers knowledge in the area of health and well-being.

GITAM offers a value-added course on 'Yoga' across all the disciplines which helps the students to handle their stress and get more focus on their careers.

GITAM Hospital:

GITAM Medical college has an associated hospital with 850+ hospital beds and a team of 300+ specialists with world class medical infrastructure facilities.

Key initiatives:

☞ Establishment of Tobacco Cessation Centre:

As part of the National Tobacco Control Programme, GITAM Institute of Medical Science and Research established Tobacco Cessation Centre, and the centre was virtually inaugurated by **Shri Jagat Prakash Nadda, Hon'ble Union Minister of Health** and Family Welfare. The basic aim of this centre is to tackle the rising concerns of tobacco abuse, especially among youth. The new centre will focus on **awareness, prevention, and rehabilitation**, addressing the critical health risks posed by tobacco use. Through a comprehensive approach, GIMSR TCC aims to educate and support individuals on their journey toward a tobacco-free life, ensuring better public health outcomes for all.



At GIMSR, we are dedicated to the betterment of community health through continuous innovation and proactive initiatives like the Tobacco Cessation Centre. With a legacy of 850+ hospital beds and a team of 300+ specialists, GIMSR continues to stand as a pillar of excellence in medical education and public health outreach.

https://www.instagram.com/gimsr_hospital/p/DAhzh1uvQg1/?img_index=1

Progress:

- ☞ During the academic year 2022-23, in GITAM 628 health professionals graduated in various programs.

Engagement:

📌 **MOU with Chettinad Simulation & Skill Centre**

In September 2023, GITAM collaborated with the Chettinad Simulation & Skill Centre at Chettinad Hospital & Research Institute, acknowledged as South Asia's premier AHA Training Centre by the American Heart Association. This momentous MoU solidifies GIMSR's position as an official AHA training site, furthering our commitment to medical training, skill development, and healthcare education and lifesaving skills.

Authorized Training Center

GIMSR

Chettinad Hospital & Research Institute

Memorandum of Understanding (MOU) Between

Chettinad Simulation & Skill Centre (CSSC)
Chettinad Hospital & Research Institute (CHRI),
International Training Centre of American Heart Association (ITC-AHA) - Kelambakkam

GITAM Institute of Medical Science and Research (GIMSR) - Vishakapattinam

Thursday, 28 September 2023

Chettinad Simulation & Skill Centre, College Block

Guest of honour
Dr. Gitanjali Batmanabane
Pro Vice-Chancellor Medical Sciences,
GITAM Deemed to be University.

Chettinad Simulation & Skill center

Chettinad Academy

Chettinad Simulation & Skill Center

AHA CERTIFIED BLS & ACLS INSTRUCTOR COURSE

☞ **DIGITAL Detox : A Mental Health Awareness initiative by GITAM**



The Psychiatry Department at GIMSR actively participated in the Mental Health Awareness Campaign Initiative by organizing an enlightening awareness session at Symbiosys Technologies in Vizag. During a conversation with the CEO, Mr Naresh Kumar, the significance of maintaining a balanced approach to digital media usage in our rapidly evolving world became a focal point. This discussion paved the way for an engaging and interactive session titled "Digital Detox," skillfully conducted by Dr. Niveditha Vasireddy, Associate Professor, and Dr. Abhilash, Assistant Professor, both esteemed members of the Psychiatry Department at GIMSR.


☞ **GITAM celebrated the International Day of Yoga on 21st June 2023**

GITAM College celebrated International Day of Yoga on June 21, 2023. The event was held on the college campus and brought together students and staff to celebrate the practice of yoga.

campusconnect.gitam.edu/july-2023

International Day of Yoga - 2023

Across the campuses, GITAM celebrated the International Day of Yoga on 21st June 2023. Students, faculty, and staff enthusiastically gathered for collective yoga sessions, embodying the 'Yoga for Vasudhaiva Kutumbakam' spirit. The programs commenced by addressing the myriad benefits of yoga in daily life. Participants actively engaged in the practice sessions led by yoga experts, who elaborated on yoga's scientific relevance and importance. The events, organised by the GITAM NCC & NSS units in collaboration with the Directorates of Sports and Student Life, fostered wellness, stress reduction, and the cultivation of a healthier body and mind through the power of yoga. The collective experiences enabled a sense of unity and well-being among the GITAM community, promoting a holistic approach to wellness.



International Day of Yoga 2023

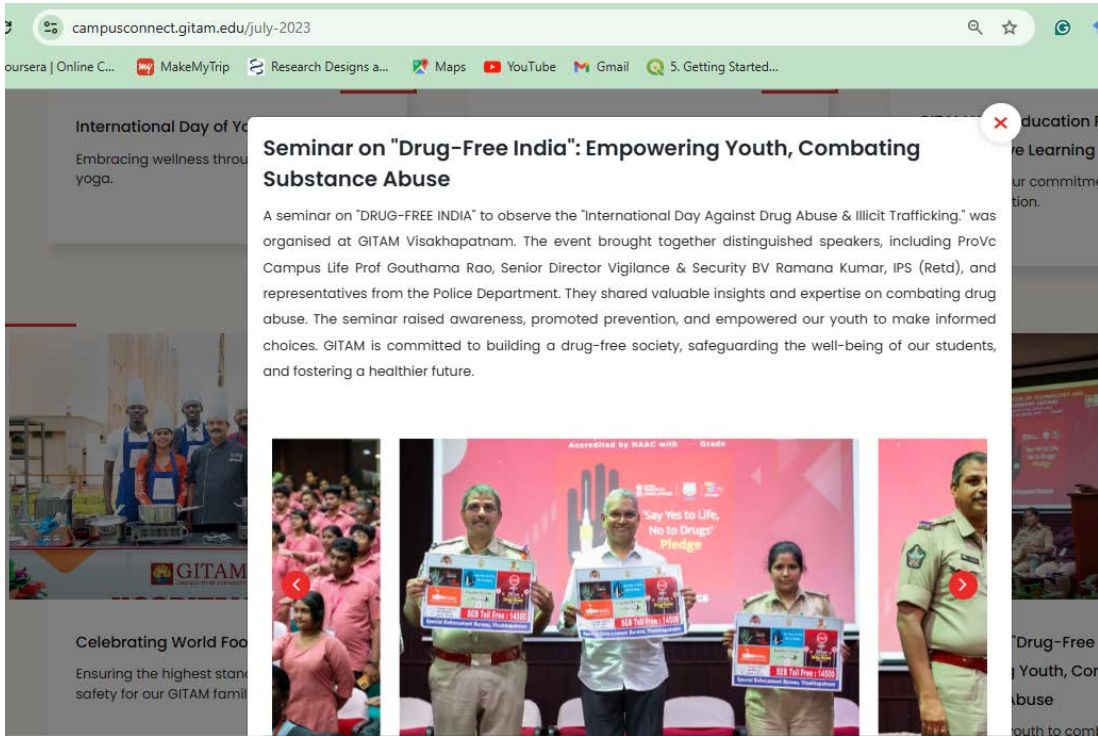
Embracing the power of yoga

We elevated th

Read More

GITAM organized Drug Free India seminar on 21st June 2023

"Empowering Youth for a Drug-Free India: A Successful Awareness Seminar". GITAM organized a seminar on a "DRUG-FREE INDIA" at GITAM University, Visakhapatnam Campus, in commemoration of the "International Day Against Drug Abuse & Illicit Trafficking." In June 2023. Distinguished speakers, including ProVc Campus Life Prof Gouthama Rao, Senior Director Vigilance & Security BV Ramana Kumar IPS (Retd), and Police Department representatives, shared valuable insights. All the students took a pledge for drug-free society and empower the youth to make informed choices.



<https://campusconnect.gitam.edu/july-2023>

https://www.facebook.com/story.php/?story_fbid=9630415483697486&id=885579274847861

Community Outreach:

Anganvadi School Nutritional diet awareness program





☞ Village Health survey

GITAM has different student NSS Units associated with various faculty. The department GIMSR and Paramedical Sciences NSS student units conducted the medical camp in a remotely located village. They did the health survey, organised the medical camp and distributed the medicines to the village people.



☞ Awareness on EYE donation





☞ **Creating awareness on Breast Feeding**



☞ **Medical camp for School Children**

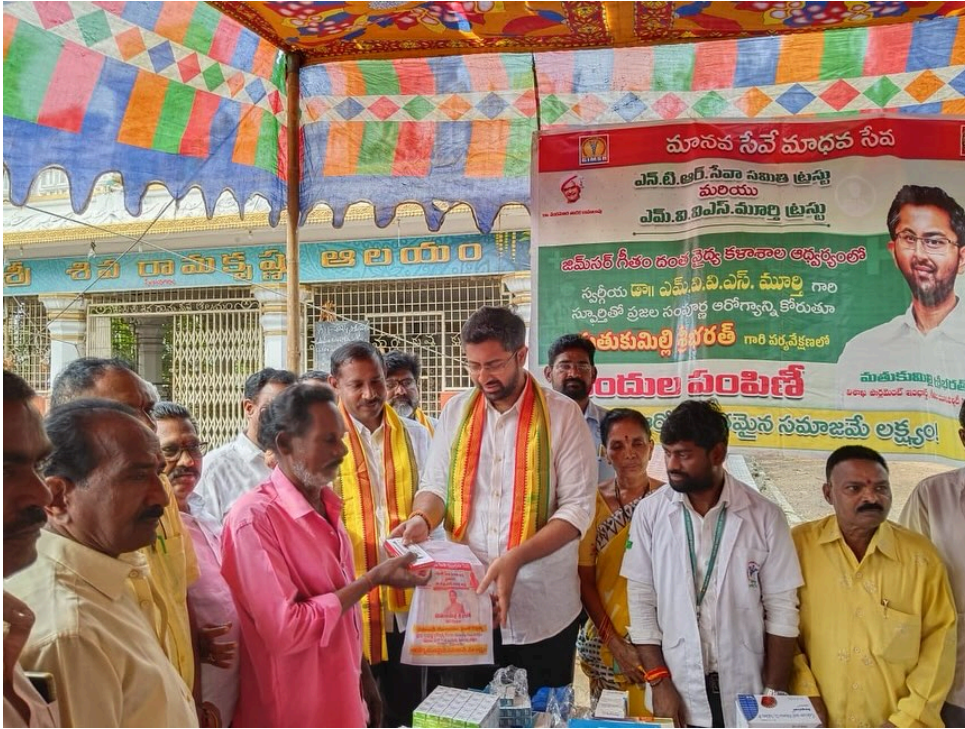


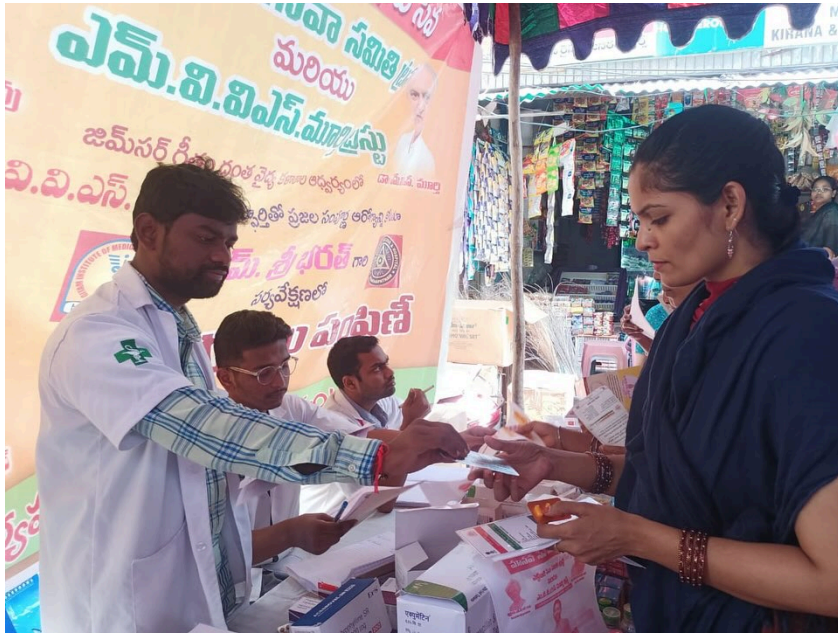
☞ **Free medical survey at the rural health centres of GITAM**



☞ **Collaboration with NGOs and organized medical camp and distribution of medicines**

GITAM in collaboration with NTR Seva Trust & MVVS Murthy trust organised free medical camp for the low income community, conducted the health survey and distributed medicines.







☞ Community Medical support during the special occasions

During an auspicious day of “Mahashivratri”, people will do the sea bath, will remain wake-up throughout the night, they will be on fasting for complete day and engage themselves in the prayers. GITAM with the mobile medical unit, provide the medical support in an emergency situation occurs for the people

who are in need. It would be made available ready at the beach road for service.



GIMSR's Medical & Health Camp at Rushikonda beach on the Occasion of Mahashivratri



☞ Stress Management program for the students of nearby college

On the occasion of Mental Health Day, GITAM has organised stress management program for the faculty and students of pharmacy in the nearby college named Sankethika College on 23rd September 2023.



☞ Awareness program on health and well-being aspects of population among school children





Way forward:

GITAM having GITAM Institute of Medical Sciences and Research, GITAM School of Paramedical Sciences, GITAM School of Physiotherapy, GITAM School of Nursing, GITAM School of Pharmacy, GITAM School of Sciences, Department like Applied Psychology, Good Sports arena, is committed to impart knowledge on good health and well-being of Humans, contributing to the research in these areas, taking care of its own students health and well-being. Similarly, with its intellectual and physical resources, always takes h initiatives to serve the larger community and conducts 500+ medical camps annually making healthcare accessible to all.

It also supports Government by associating itself in health emergencies like COVID and developing protocols, systems etc. It works with the both central and state governments in the implementation of the health and well-being programs like establishment of Tobacco Cessation centre, a central government program and health insurance schemes for the poor like 'Arogya sree'.

It will continue its commitment to achieve this Sustainable Development Goal.