



SANTOSH
Deemed to be University

CERTIFICATE PROGRAMME

in

Stem Cell & Regenerative Medicine



Most approachable
location in Delhi NCR



800+ Bedded Teaching
Hospital in Delhi NCR

Paramedical



Medical & Dental



For more details, kindly visit:
www.santosh.ac.in

Celebr

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About **UNIVERSITY**

A unique model institution, Santosh Deemed to be University serves as a distinct institution delivering quality medical/dental education & healthcare services. In addition to offering degrees in medicine & dentistry, the University provides an environment for learning and discovering through the education of healthcare professionals and bio- medical students, in research in health sciences and comprehensive healthcare. At Santosh Deemed to be University, we provide today's health sciences students with distinguished and committed faculty, Who provide thoughtful and humanistic mentoring. State of the art learning facilities and clinical experiences in their very respective teaching Hospitals, All the colleges are supported by on-campus super-specialty teaching and network group of Hospitals. Courses are recognized by the Ministry of Health and Family Welfare (MoHFW) of the Government of India. 25 years after its inception, the institute is considered as the Best Central Medical Deemed to be University in India.

In the same manner, Santosh Dental College started in 1995 with an aim of imparting a higher-level education in dentistry. Initially, the institution offered a foundation course in BDS since 1996 by accepting 40 students annually. By 2006, this intake had increased to 100 per year. It has now become the best university for higher medical & dental education.

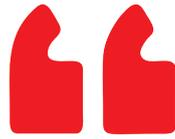




Dr. P Mahalingam

MD (Gen. Medicine)

DM (Cardiology)



Nurturing the dream where **ordinary people should have access to the extraordinary benefits of medical sciences**, lead to the birth of Santosh Deemed to be University. We have come a long way since the inception of Santosh Hospitals, Chennai in 1990 to one of the **most trusted Medical Education names in India.**

Our world is changing fast, it's my promise to keep abreast of the changing requirements of medical education and **be the best in the World of Medical Education and Affordable Healthcare.**



Dr. Manoj Goyal
CHANCELLOR

We are on the threshold of completing, yet another landmark year in the history of "Santosh".

As we approach "2023", we are past our Silver Jubilee year with 25 years of glory, and excellence in the field of Medical Education Health Care Services & Research. The vision for the next milestone is to fortify our existing Infrastructure, an Eco-Friendly Green campus with a Prime focus on Energy conservation, optimal use of resources both human & material, and judicious use of technology thereby enhancing our performance and capacity building in the backdrop of global crisis in the form of a Covid-19 pandemic.

In the pursuit, we will have a Dynamic curriculum, based on national needs and global trends with an emphasis on bringing innovation, critical thinking, faculty development programme, and staff welfare initiatives thereby promoting Translational research for productive & memorable experience for our students, faculty, and staff in this silver jubilee phase of Santosh. Last but not the least, I would like to acknowledge the endless, untiring efforts of our faculty, resident doctors, students, nursing & other staff members to help us fight, the scare & challenging posed by Covid-19. I salute all Covid Warriors for turning challenges into opportunities.

Celebrating

25 *Impactful*
+ years
Since 1998

During the last 25 years, Santosh Deemed to be University has made astonishing strides in the field of Medical Education, health services and Translational Research.

With the introduction of NEP 2020, and revolution in ICT, the conventional courses have become anachronistic being replaced by Competency and skill based programs both at UO and PG Levels. We at Santosh Deemed to be University have promptly updated our course-structures .digitalised our campus, libraries, laboratories and Hospital infrastructure. Our highly qualified faculty with their expertise, organise national and international conferences, seminars, workshops and FDPs which inculcates skills, leaderships and team spirit amongst the students in addition to teaching learning. Good quality research work with high impact factors are published in indexed journals and the University journal SUJHS. The serenity of Santosh Deemed to be University along with a complex structure of curricular, co-curricular and extra-curricular activities imparts holistic and multi-disciplinary education for students to freely navigate through the plethora of health programs, research, innovations, incubation , start-ups and entrepreneurship and are groomed to address the challenges of the 21st century.



Dr. Tripta S Bhagat
VICE-CHANCELLOR

Overview

Stem cells are the unspecialised cells that possess the ability of self-renewal and special differentiation capacity that can give rise to any type of cells of the body. Currently the stem cell research can be regarded as a branch of modern biology that tries to utilise or alter embryonic or adult stem cells or to induce stem cells from differentiated cells into specialized, differentiated cells that can be used to supplant impaired cells or organs. Stem cells is revolutionising the regenerative medicine sector and it provides immense hope for the medical world to treat the diseases which are once considered as non-treatable. With the evolving technologies and interdisciplinary research networks, Cell biology is slowly and steadily revealing the potency of stem cells day-by-day. We identify the subject as more important frontier field and hence we bring this course the learners who really want to be a part of the development aura which eventually take the mankind to next level.

Programme suitability

- The course is suitable for any learner who wants to learn and explore the subject stream of stem cells.
- The course is suitable for interdisciplinary researchers who want to know an overview on the development of stem cells and its application scope to improve their current research works.
- The course is suitable for the professionals of medical and paramedical field, who want to learn about stem cells in order to improve their knowledge and to provide effective counselling to the clients on the same.
- The course is suitable for the professionals who have got placement or about to get job in industries related to stem cell banking, tissue banking, cell culturing, cell and tissue culture related chemical and equipment manufacturers and suppliers.
- The course is suitable for learners who have stem cells, tissue engineering or regenerative medicine as elective in their academic curriculum and want to get fundamental knowledge on the same to excel in their elective subject examination.

Eligibility Criteria, Duration & Mode of Payment

Course	Certificate in Stem Cell & Regenerative Medicine
Eligibility	Post Doc, PhD. and M.Phil. in science and engineering (related to life science) MBBS, MD, BDS, MVsc M.Pharm and B.Pharm M.Tech., M.E., B.E. and B.Tech., in engineering and technology (related to Biology and medical relevant) M.Sc. and B.Sc. in science (related to Biology or basic sciences)
Duration	6 days
Course Type	Regular mode

COURSE OUTLINE

To get a better idea about the course structure and syllabus, let us take a look at some of the important subjects present in the program.

THEORY MODULES (10.30 am - 12.30 pm; 6 days)

Part I : Molecular Facets of Stem cell Biology

Part II : Differential Gene Expression and Regulations in Stem Cells -I

Part III : Differential Gene Expression and Regulations in Stem Cells -II

Part IV: Applications of Stem Cell Concepts and Therapy

HANDS-ON / PRACTICAL MODULE (2.30 pm - 4.30 pm, 6 days)

- Stem Cell Laboratory Technology
- Specialized Technologies
- Stem Cell Isolation Technology
- Stem Cell Media Preparation
- Cell Platting and Subculture Technology
- Reference Book
- Stem Cell Laboratory Regulations

Course Director



Dr. A. Anand Kumar

PhD, Scientific Director and
Professor, Stem Cell Unit
PhD in Stem Cell Technology



Dr. Anshuman Dwivedi

M.Ph.Clinical Director &
Professor Stem Cell Unit Master
in Stem Cell Technology

Certificate Programme Fee

(Rs 60,000/-)

Admission Criteria : First Come First Serve Basis

For More Details Kindly Visit www.santosh.ac.in

- Cheques to be issued in favour of SANTOSH TRUST
- Please mention your Name, Course, Session and Mobile Number by Lead Pencil at the back side of each cheque. As per RBI Mandate- No Overwriting/any Correction/ Improper (Cut Cheque) Leaf will not be accepted.





SANTOSH
Deemed to be University



Santosh Deemed to be University

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