



SANTOSH

Deemed to be University
(Established u/s 3 of the UGC Act, 1956)

MINUTES OF THE 39th ACADEMIC COUNCIL HELD ON 07.08.2020 AT 3:00 IN THE MAHARAJA HALL, SANTOSH MEDICAL COLLEGE, GHAZIABAD, NCR DELHI.

The Members of the Academic Council who were present in the Meeting the Attendance list is attached in this regard.

At the outset, the Vice Chancellor Dr. Tripta S Bhagat, welcomed all the members of the Academic Council.

The following Agenda Items were taken up for discussion:

Item: 1

CONFIRMATION OF THE MINUTES OF 38th MEETING OF THE ACADEMIC COUNCIL HELD ON 26.06.2020 AT 03.00 PM.

The Minutes of 38th meeting of the Academic Council held on 26.06.2020 at 3.00 PM were circulated to all members of Academic Council for their information and comments, if any. No comments were received; hence, the Minutes **were confirmed**.

Item: 2

ACTION TAKEN ON THE MINUTES OF 38th MEETING OF THE ACADEMIC COUNCIL HELD ON 26.06.2020 AT 03.00 PM.

The Action Taken on the Minutes of 38th meeting of the Academic Council held on 26.06.2020 at 3.00 PM **were noted** by the Members of the Academic Council.

ITEM: 3

TO CONSIDER THE MINUTES/ RECOMMENDATIONS OF THE 47th MEETING OF THE BOARD OF STUDIES HELD ON 05.08.2020 AT 3:00 PM.

The Members of the Academic Council considered in detail the **recommendations / minutes** along with **AGENDA** of the Board of Studies held on 07.08.2020 at 3.00 PM and **approved** as under as :-

A. TO CONSIDER FRAMING OF GUIDELINES FOR INTELLECTUAL PROPERTY RIGHTS [IPR] POLICY - SANTOSH DEEMED TO BE UNIVERSITY.

The members of the Academic Council considered the Framing of Guidelines for Intellectual Property Rights [IPR] policy and **noted** the following: -

1. Santosh Deemed to be University is a Medical University, dedicated for excellence in Teaching, Research and Training. The activities of Research of the University consist of the faculty projects, students' projects, projects of supporting staff and a lot more for knowledge and intellectual exchange of ideas. In the evolving scenario of the World, awareness towards knowledge asset has gained momentum and consequently the Intellectual Property Rights Policy (IPR) has been a necessary aspect, which any Institution shall work on and set forth. Thus, the Intellectual Property Rights sets forth the directions as to how and through what means, the Knowledge asset shall be preserved and protected and at the same time encourage the faculty members, students and researches to initiate transfer of knowledge using Intellectual Property rights gained over the use of Novel Technology.

2. The purpose of framing the **Intellectual Property Rights [IPR]** Policy is to:

- a) Provide a conducive environment leading to development of intellectual property;
- b) Facilitate, encourage, promote and safeguard scientific investigation and research and the freedom of the scholars involved in R&D;
- c) Establish an IPR management policy and procedural guidelines for making available to the public the inventions and discoveries made in the course of research carried out in the institute.

3. The objectives of the IPR Policy are as under:

- a) To create public awareness about the economic, social and cultural benefits of IPRs among all sections of society
- b) To stimulate the generation of IPRs
- c) To have strong and effective IPR laws, which balance the interests of rights owners with larger public interest
- d) To modernize and strengthen service oriented IPR administration
- e) To Get value for IPRs through commercialization
- f) To strengthen the enforcement and adjudicatory mechanisms for combating IPR infringements

- g) To strengthen and expand human resources, institutions and capacities for teaching, training, research and skill building in IPRs

4 The types of IPR are as under:

The intellectual properties can be broadly listed as follows:

- **Patent:**

It is an exclusive right granted for an invention, which is a product or a process that provides a new way of doing something, or offers a new technical solution to a problem.

- **Copyright:**

It is an exclusive right given to the author of the original literary, architectural, dramatic, musical and artistic works; cinematograph films; and sound recordings.

- **Traditional Knowledge:**

The knowledge developed by the indigenous or local communities for the use of a natural resource with respect to agriculture, food, **medicine** etc. over a period of time and has been passed from one generation to another traditionally.

The members of the Academic Council after consideration the **minutes/recommendations** of the **Board of Studies** for **Framing of Guidelines for Intellectual Property Rights [IPR] Policy and approved** the same as under:

"1 ACTIVITIES LEADING TO INTELLECTUAL PROPERTY ARE AS UNDER:

- Researches taken up by a faculty / student / project staff / supporting staff / visitor in the normal course of his/her appointment/engagement at the University with funds coming from the University (including research projects undertaken by students under the supervision of the faculty member);
- Researches taken up by a faculty / student / project staff / supporting staff/visitor from funds coming from a sponsor such as Government of India, state governments, international agencies, or foreign governments, etc.;

- Collaborative research undertaken with other institutions including government departments and agencies and private companies located in India;
- International collaborative research with institutions and companies located outside India;
- Researches supported by companies and other private organizations through research projects or consultancy assignments; and
- Any combinations of the above.

2. CONSTITUTION OF IPR CELL

The IPR cell is constituted consisting of the following members:

- | | | |
|---------------------------|---|--------------|
| 1. Vice-Chancellor | - | Chairperson |
| 2. Registrar | - | Member |
| 3. Dean Medical | - | Member |
| 4. Dean Dental | - | Member |
| 5. Medical Superintendent | - | Member |
| 6. Dean Research | - | Co-ordinator |

The IPR cell can be expanded / reconstituted to consist of senior faculty, junior faculty and other interested parties and will be responsible for formulating, administering, reviewing and modifying the IPR policy under the guidance of the Vice-Chancellor. The IPR committee shall be the Managing Committee, which will be responsible for evolving detailed procedures to facilitate implementation of IPR policy of the University. The IPR Committee shall meet at least once in a year and all issues pertaining to IPR shall be taken up and recorded properly.

3. FUNCTIONS OF THE IPR CELL ARE AS UNDER:

- a) Education of faculty, students, employees and other collaborators on the issue of IPR.
- b) Evaluation of ideas and innovations and their conversion from the conceptual stage to the deployment stage.
- c) Advisory role to inventors and innovators regarding the best method for protecting their IP.

4. POWERS OF THE IPR CELL ARE AS UNDER:

- a) To create and finalize procedures and guidelines for implementation of the IPR policy at Santosh Deemed to be University;
- b) To create and finalize draft agreements to facilitate IP protection by Santosh Deemed to be University. The chairperson of the IPMC will be

authorized signatory on behalf of Santosh Deemed to be University to sign all agreements/power of attorney/MOU and all documents related to IPR & TT Division;

- c) To facilitate filling of IPs by both the Institute appointed body as well by individual faculty/Staff using their projects and other funding; and formulate programs for educating faculty / students / supporting staff / project staff/visitors about IPR and other associated issues;
- d) To decide on funding of any IPR application from Faculty /scientists/ students/ project staff/ supporting staff/ visitors of Santosh Deemed to be University;
- e) To redress any conflict, grievance regarding ownership of IP, processing of IP proposals, procedures adopted for implementation of IPR policy and interpretation of various clauses of IPR policy.
- f) To investigate the matter of violation/infringement of any intellectual property rights related to Santosh Deemed to be University and make recommendation to the Dean Research for the resolution of such violation/infringement.
- g) To deal with any relevant issues arising out of promotion as well as implementation of IPR policy.
- h) Any other task assigned by the appropriate authority (Dean Research, Governing body or Institute Body of the Institute) from time to time.

5. INVENTION DISCLOSURE

Inventor(s) desirous of protecting the IP associated with specific research or invention(s) should first ensure that it is not disclosed in a public forum and that any discussions/collaborations that have been conducted will not be available to the public. The invention(s) should then be disclosed in full to the University through the – Invention Disclosure Form obtained from the University IPR Cell. The form may be submitted to the office of the Santosh Deemed to be University. The Invention Disclosure Form is to be treated as a – confidential document by both the inventor(s) and the University offices.

6. EVALUATION FOR IP PROTECTION

The University, either directly or through agent(s) appointed for the specific purpose, shall investigate the invention(s) for authenticity, potential for IP protection and / or commercial exploitation and submit an evaluation report to the **Research Dean** within 3 months. The decision of the University shall be final regarding the application for IP protection for the specified invention(s). If the invention(s) is found fit for IP protection, University shall undertake the procedure for filing for IP protection under the appropriate category (patent / copyright / traditional knowledge) and the same shall be communicated to the inventor(s). In any case, the decision of the University shall deem final.

7. FEES FOR PATENT APPLICATION

The University shall bear all the expenses related to IP protection both the filing for protection and the maintenance of the protection through appropriate yearly fees.

8. PATENTS UTILIZATION

The University shall normally retain all the rights for the usage of the patents including, licensing an invention for purposes of commercial venture/proposition and shall execute appropriate agreements for the same with an external agent/ manufacturer/ industrial partner. In case, University decides not to pursue the commercialization of a specified invention within 2 years of full invention disclosure and filing for patents, the inventor(s) shall be eligible to apply for waiver/transfer of ownership in favour of the inventor(s). In such cases, the maintenance of patents through appropriate fees and usage of the patents shall become the privilege of the inventor(s).

9. IP INFRINGEMENT

In case of violation/infringement of any Intellectual Property Rights such as patent infringement by the faculty /students/project staff/ supporting staff/visitors or any third party infringing upon the IPR of Santosh inventor, the Santosh Deemed to be University would create an appropriate administrative body, which would first investigate the matter and make recommendations to the Vice-Chancellor through Research Dean for resolution of such violation/infringement. In case of any third party infringing upon IPR of Santosh, the above administrative body would investigate and make recommendations to the Vice-Chancellor including need for any legal course of action.

10. OWNERSHIP OF IP GENERATED IN SANTOSH DEEMED TO BE UNIVERSITY

- a) The setting in which the invention is made is generally used to assign appropriate rights to the respective stakeholders. This document will only deal with inventions associated with Santosh Deemed to be University.
- b) When the invention(s) has been done by Santosh Deemed to be University Employee(s)/Student(s) as a part of their usual duties and responsibilities
 - o The ownership and all the IP rights of the invention will be assigned to Santosh Deemed to be University.
 - o Santosh Deemed to be University will have all the rights to decide on whether to protect the invention with a patent/trademark/copyright. Similarly, licensing, technology transfer, commercialization rights shall also be retained by Santosh Deemed to be University.

- If IP protection is to be undertaken, Santosh Deemed to be University shall bear all the costs for the same and shall refund any expenses incurred by the inventor undertaken for IP protection.
 - However, to encourage the inventor(s), any benefit of commercialization will be shared with the inventor(s) based on the prevailing policy.
 - When Santosh Deemed to be University infrastructure/facilities (which include working hours) have been used during the creation of the invention, the usual policy of royalty-sharing will be followed.
 - If the inventor has not utilized the time, funds or facilities of Santosh Deemed to be University, the University can assign a larger share of the revenues to the inventor(s) with the sanction of the Vice Chancellor.
- c) When the invention(s) by Santosh Deemed to be University Employee(s) / Student(s) are not part of their duties/responsibilities and have been undertaken out of working hours, Santosh Deemed to be University shall not retain any ownership or rights over the invention(s). Santosh Deemed to be University may choose to assist the inventor(s) in terms of IP protection (procedures and funds) and licensing / commercialization efforts. The revenue sharing in such cases shall be negotiable.
- d) When Santosh Deemed to be University Employee(s)/Student(s) collaborate with external Institution(s)/Agencies, the ownership and rights shall be assigned according to any existing MoU's/Agreements between the University and the external Institution(s)/Agencies. In case there are no pre-existing MoU's/Agreements between the University and the external Institution(s)/Agencies, the ownership and rights assignment will be negotiable subject to the approval of the Vice Chancellor or any committee set up for this purpose.
- e) Sponsor(s) shall not be assigned any IP ownership or rights irrespective of the extent of support they provide. The assignment of ownership and IP rights will be done according to the above three clauses. The sponsor(s) will be eligible to claim a share of any revenue generated from the invention which shall be negotiable and proportionate to the support provided for the development and/or refinement of the invention, subject to the approval of the Vice Chancellor or any committee set up for that purpose.
- f) Manufacturer(s) / Industry Partner(s) shall normally not be assigned any ownership of the IP. They shall be assigned licenses or technology transfer agreements to manufacture the invention on a large scale. The royalty sharing shall be negotiable based on the support provided during the initial stages of product development and the investment made in terms of production designing, manufacturing cost, publicity, marketing and sales,

subject to the approval of the Vice Chancellor or any committee set up for that purpose. Normally, the inventor(s) shall receive a share not less than 5% of the net profit.

11. ROYALTY SHARING

The income generated by licensing / assigning of IPR or on receipt of royalties associated with technology transfer / specific innovation programs after deducting the all expenses shall be divided as follows:

- a) 60% (sixty percent) of the revenue shall go to the Inventor(s); the share of each inventor may be decided by the Lead Inventor.
- b) 20% (twenty percent) shall go to Santosh Deemed to be University for administration charges.
- c) 10 % (ten percent) shall go to the Investor(s) **if any** and 10 % (ten percent) to the IPR Cell of the University or 20% (twenty percent) shall go to IPR Cell of Santosh Deemed to be University for promotion of IPR activities for the innovation without Investor(s)".

B. TO CONSIDER FRAMING OF GUIDELINES FOR CONSULTANCY POLICY - SANTOSH DEEMED TO BE UNIVERSITY.

The members of the Academic Council after consideration the **minutes/recommendations** of the **Board of Studies** for **Framing of Guidelines For Consultancy Policy and approved** the same as under:

- 1.** That the "**Consultancy Services**" i.e. the application of existing knowledge, expertise and skills to offer services to third parties on contract basis including external appointments and teaching commitments undertaken.
- 2.** That the "**Private Consultancy Services**" i.e. Consultancy Services undertaken in strictly personal and private capacity of the consultant, without involving any direct or indirect use of the University's resources, name, logo, professional indemnification insurance coverage, and with no liability to the University subject to the following terms and conditions:
 - The Private University confirming that Consultancy Services can be undertaken without harming the faculty member's academic, research or administrative duties, and that the services will not adversely affect the workload of other faculty members.
 - The services do not fall within the academic, research or administrative expertise of the faculty Member for which he or she

is employed or engaged by the University, unless the Vice Chancellor has given prior approval for such services to be provided.

- University resources, such as laboratories, meeting rooms, IT equipment, software, databases or email, will not be used for the purpose of providing Private Consultancy Services.
- The faculty member assumes full legal and financial responsibility for the services proposed to be provided, including insurance requirements (if any), all tax and similar payments due on his or her earnings, and any insurance requirements. The University will not provide professional insurance or any other insurance for any Private Consultancy Services.
- The prohibitions expressed in this clause and the provisions under which Private Consultancy Services may be performed are essential to protect the University from potential liability, to protect the University's Intellectual Property, and to ensure compliance with University's policies governing conflicts of interest. Accordingly, any Violation of above clause shall be grounds for a disciplinary action against the concerned faculty member.

3. That the "**University Authorized Consultancy**" i.e. Consultancy Services provided pursuant to a contract entered into by the University in which Consultancy Services are provided by a faculty member within his or her area of academic, research or administrative expertise. Such Consultancy Services shall be authorized by the University and may involve the use of University resources, such as professional indemnification insurance, intellectual property ("**IP**") and other resources. The procedure for the same is as under:

- a. University Authorized Consultancy Services are only permitted in relation to services where the work involved as the service provider is distinct from any project or other assignment undertaken by a faculty member for or on behalf of the University.
- b. A faculty member will only agree to provide University Authorized Consultancy Services with the written consent of the University and in accordance with terms and conditions approved by the University.
- c. The University may approve provision of Consultancy Services by a faculty member only if such services can be undertaken without harm to the faculty member's academic, research or administrative duties, and if the services will not adversely affect the workload of other faculty members.
- d. The maximum days that may be devoted by a faculty member towards University Authorized Consultancy Services shall be 20 (twenty) days

per annum or such additional days as may be approved by way of a special permission obtained from the University.

- e. The Dean Research's recommendation and Vice-Chancellor's approval will be required for offering any University Authorized Consultancy Services to ensure compliance with cost recovery guidelines, protection of the University's IP, and the appropriateness of contractual terms including those relating to liability and IP of the University.
- f. Charges for the use of University resources for providing University Authorized Consultancy Services will normally be based on the full cost of resources involved, as determined by the IPR Cell and agreed in writing by the faculty member and the University.
- g. The Vice-Chancellor may, in his / her discretion, decline to offer University's support for any Consultancy Services, but allow the faculty member to provide Private Consultancy Services.
- h. Unless justified and recorded in writing, University Authorized Consultancy Services will not be allowed in the following circumstances:
 - When the Consultancy Services are towards supporting projects, including research projects, being carried out by the University; or
 - When provision of such Consultancy Services would contractually preclude the University or its faculty members from engaging in other research or other Consultancy Services.
- i. All faculty members shall annually declare, in writing, the number of days spent by them on University Authorized Consultancy Services, and comply with all relevant University policies governing conflicts of interest or intellectual property.

4. COMPENSATION FOR UNIVERSITY AUTHORIZED CONSULTANCY SERVICES

Any income, fees or compensation received pursuant to University Authorized Consultancy Services shall be allocated in the following manner:

- a. The faculty member providing Consultancy services that are involving University resources will receive 30 (thirty) percent and remaining 70 (seventy) percent shall be utilized towards other expenses incurred like illustration purposes, procurement costs, payments to sub-contractors, leasing of supplied, consumables, bench fees etc., by the University.
- b. The faculty members providing Consultancy services that are not involving University resources shall receive 70 (seventy) percent as Consultancy Fee and the remaining 30 (thirty) percent shall be for the University for authorizing the services.

5. It is stated that “**Other Services**” i.e. any ancillary and occasional use of a faculty member’s academic expertise and knowledge in a manner, and includes guest lecturing, serving on scientific advisory boards, research councils and / or other professional associations, etc. shall **NOT** be covered under this policy.

6. APPLICATION FOR UNIVERSITY AUTHORIZATION OF CONSULTANCY SERVICES

The faculty members shall apply for consideration of above Consultancy Services to the Dean Research. The Dean Research after consideration of such requests shall submit to the Vice-Chancellor with his / her comments for further necessary action.

C. TO CONSIDER THE ESTABLISHMENT OF INNOVATION, INCUBATION AND ENTERPRISE CENTRE - SANTOSH DEEMED TO BE UNIVERSITY.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** for the **Establishment of Innovation, Incubation and Enterprise Centre** and **approved** the same as under:

1. “The purpose of establishing Incubation Centre is: -

- a) To encourage and support establishment and growth of technology-based start-ups in the field of healthcare and medicine.
- b) To contribute Make in India and **Startup India** Mission of the Government of India
- c) To build innovation and job creation, improve employability of graduates, enhance economic health of the region and meet the demands of the society and industry across the entire State.

2. Establishment of Incubation Centre is as under: -

The Incubation Centre will provide an ecosystem to start-ups of enterprising students, Faculty and immediate alumni of the University and affiliated colleges. The Incubation Centre shall provide working space, common office and Maker’s laboratory facilities, business guidance, mentoring, and other technical resources in a network mode at the University.

3. The significance / need for establishing Innovation, Incubation and Enterprise Centre is as under: -

The dynamic technology landscape demands learning on feet, but throws newer challenges as well as new opportunities to the Medical students. A paradigm shift is taking place where job seekers need to be converted into job creators, not just to provide opportunities to other graduating medical graduates,

doctors and post graduates but also add value to their education as health professionals. The presence of an Incubation Centre on the University campus, as the Start-up Ecosystem of the University, shall drive the energy of the young doctors in creation of an enterprise rather than looking for job elsewhere. The culture can be propagated to the constituent colleges of the University.

4. Constitution of the Board of Directors of Innovation, Incubation and Enterprise Centre and Functions

a. The Incubation Centre can be a separate department or a private limited company owned by the University through appointment of Board of Directors at the University.

b. The constituent of BOD of the Centre shall be as under:

Board of Directors of the Centre

Sl. No.	Name	Designation on the board
1	Chancellor	Patron
2	Vice Chancellor	Executive Director
3	Dean Research	Member Secretary

c. The Incubation Centre if established as a Private Ltd Company then there shall be three more External Directors of as appointed by the University in addition to the above BoD.

d. The Board would be instrumental in promoting the Incubation Centre in their network, selection of clients in Incubation Centre, generating awareness in community and developing the Centre as a forward-thinking economic development tool for the University.

e. The Board shall monitor and evaluate the performance of the Centre in terms of the impact of **Start-ups** Incubated by the Center.

5. Executive Committee of the Centre is constituted by the University consisting of the following:

S. No.	Name	Designation on the board
1	One Professor	Convenor
2	One Associate Professor	Member
3	Two Assistant Professor	Members
4	Vice Chancellor's Nominee	Member Secretary
5	External Consultants	Co-Opted Members

6. Functions of the Executive Committee are as under:-

- a) The Executive Committee will address all day-to-day activities of the Centre and shall implement all policy decisions taken by Board of Directors. The Committee shall provide support to the Start-ups for job creation, and economic health enhancement of the society.
- b) The External Consultant, will manage the center on daily basis and must have Start-up / Entrepreneurial management background, and experience in business development and **two** supporting staff, one with IT and one with Accounts background for upkeep of records. The Head / Manager will report directly to the Board of Directors.
- c) The External Consultant provides hands-on mentoring who provides a catalytic transformation to the Incubation Centre's mission and thus should be experienced in start-ups, have an all-round understanding of business management, facilitative leadership ability, and excellent interpersonal skills.
- d) The External Consultant will have to establish network of venture capitalists, angel investors, and bankers to support new venture financing. The Incubation Head/ Manager will be well connected to professional and technical knowledge networks in the community and will serve as a conduit to a resource network of service providers that provide expert assistance to Business Incubation Centre clients.

7. The following are the **Stakeholders of the Business Incubation Centre of the University**

- a) **Students**- UG, PG and PhD students of all disciplines of constituent colleges, during their course of study shall be covered under the Centre..
- b) **Faculty**- All faculty members of the University willing to transform their Research and Innovations into Enterprises shall be stakeholders.
- c) **Alumni**- All alumni of the University shall also be the stakeholders.
- d) **Industry**- Industry is a partner for identifying opportunities, providing support to the enterprise activities of students, faculty and staff in the University and Colleges.
- e) **Society**- The society shall be beneficiary of the innovations from the University and may participate in identification of problems to be solved and receive affordable solutions in return. A newer business enterprise may lead to employment opportunities in the area.
- f) **Professional, Technological and Financial Experts**: Technology Industry Representative(s), Technology Entrepreneur(s), Venture Capital Financial Institutions, Legal, Marketing, Accounting, Real Estate, Economic Development Agents, Strategic Linkages & Service Integration.

8. Professional Network- processes

The Executive Committee of the Business Incubation Centre will screen service providers, facilitate the interaction between the service provider and the entrepreneur, and establish means to assess the progress and satisfaction. The technical support and use of lab facilities may be made available to entrepreneurs on pay-per-use basis or cost-sharing basis. An appropriate MoU shall be in place for the arrangements.

9. Plan for Creating the Pipeline of Deals for the Business Incubation Centre & Other Marketing Efforts

The basic objective of the Business Incubation Centre is to provide services and programs to increase students' chances of achieving deals from resources which would have been difficult for them to achieve on their own. Offering value-added services is key to the Centre's ability to successfully spin-out graduates into the community and generate jobs and wealth in the region.

- a) Business Assessments:** The assessment process shall be continual for evaluating applicants' business plans, identifying areas of need, developing a work plan to address those needs, identifying expertise and services needed to move the business plan forward, and time frame for major tasks to be completed. The initial assessment will occur upon acceptance of an applicant into the Centre and follow on a monthly basis or as business issues dictate. The final assessment will be a transition that links the start-up to appropriate resources. While the Incubation Manager / Head will rely on a variety of resources and partners to assist the student in implementing the work plan, assessments and monitoring of overall progress against the plan are key functions of the Incubation Centre.
- b) Capital and Financing Network:** The Business Incubation Centre will invite proposals for incubation from students of the University and support them to develop prototype or proof of concept and develop a business plan. The Centre shall help the students to establish and maintain relationships with a network of banks, investors, venture capitalists, and corporate equity investors through capital networks, brokers, and personal contacts. The Centre shall work as a bridge between student entrepreneur at the Centre and appropriate resources from market.
- c) Intern Network:** Interns at the University as well as external will provide a talented, affordable work pool to support the Centre and special projects on an ad-hoc or on-going basis. The Centre will establish a process that provides the entrepreneurs with the means to identify, screen, and recruit interns.
- d) Business/Technology Trainings:** The Centre will work with various ecosystem partners and Start-up initiatives to provide student entrepreneurs with access to a range of business-related topics useful to

any start-up including financial, legal, organizational, marketing, insurance, etc., depending on demand and needs. Seminars emphasizing topics of special interest in emerging technology businesses will be conducted on a regular basis. To excite the ideas in minds of students, general business topics will be provided through the e-resources. The Incubation Manager will identify topics based on an understanding of Business Incubation Centre and invite guest speakers with expertise in the topic area.

e) Commercialization/Licensing Seminars: The Business Incubation Centre will host an annual seminar for specific area to inform users and entrepreneurs about the challenges and rewards of technology commercialization, the processes and costs associated with licensing technologies, and resources available to support technology commercialization efforts. The seminars will be a marketing tool to reach potential clients.

f) Resource Library: The Centre will maintain up-to-date information resources for technology start-ups including resource directories, business form templates, and checklists. Business Incubation Centre staff will be aware of Group of Ministers (GoM) and Government of India (GoI) Start-up related programmes and other libraries that can provide additional resources to students.

10 Selection Criteria for Acceptance of startups are as under:-

The criteria used to evaluate applicants to the Business Incubation Centre throughout the process will be based on the Mission and Objectives of the Centre. The Basic evaluation criteria for applicant shall be as follows:

- Completeness of the application including a business model presentation to the Executive Committee.
- Potential of technology-related product / services for commercialization within maximum two years
- Competence of the team in handling different aspects of the business.
- Ability to learn entrepreneurial business acumen
- Planning for capacity for growth to provide economic benefits to the community

11. Sharing of Royalty Benefits are as under: -

- First 4 months of the incubation of the startup will be complementary and facilities will be provided by the University, in order to develop and check the viability of the idea. If the startup has financial viability and wants to use the infrastructure and facilities of the University, he will pledge 5% of the equity shares of the startup to the University. He will be given an option either to pledge the 5% shares to the

incubator or can leave the incubator after he completes the first 4 months.

- **Note:-**

Disclaimer policy: The University will prepare disclaimer documents to be signed by students who propose the startups and about the terms and conditions of using the Incubator space and other rules to follow as per University directions”.

D. TO CONSIDER THE GUIDELINES (i) TO ATTEND CONFERENCES / WORKSHOPS / SEMINARS WITH TA/DA/REGISTRATION FEE IN INDIA & ABROAD AND (ii) TO ATTEND VARIOUS OTHER ACADEMIC ACTIVITIES.

The members of the Academic Council considered **the Guidelines (i) to attend Conferences/Workshops/Seminars with TA/DA/ Registration Fee in India & Abroad and (ii) to attend Various other Academic Activities** and **noted** the following: -

1. “The matter to permit faculty members to attend Conferences/Workshops/Seminars and (ii) to attend various other academic activities in India & Abroad in India and Abroad on duty terms but without TA/DA/Registration Fee etc. was considered by the Board of Management and granted Ex-Post Facto approval in its meeting held on 19.02.2014. These guidelines were circulated all faculty members along with the prescribed format for the same.

2. The Guidelines for attending Conferences/Workshops/Seminars without TA/DA/Registration Fee in India & Abroad along with prescribed format were circulated from time to time i.e., on 05.11.2019.

The members of the Academic Council after consideration **the Guidelines (i) to attend Conferences/Workshops/Seminars with TA/DA/ Registration Fee in India & Abroad and (ii) to attend Various other Academic Activities** and **approved** the same as under:

(i) To attend Conferences/Workshops/Seminars with TA/DA/ Registration fee.

1. To permit faculty members for attending Conferences **with TA/DA/Registration Fee** in India & Abroad on the following terms and conditions:-

a. To permit a member of faculty to participate Scientific Meeting/Conference/Symposium/Seminars **[not more than 8 days in a year]** within India or SAARC Countries with or without travelling allowance (TA), Daily

Allowance (DA) and Registration Fee in each Calendar year. The faculty will be eligible to avail of the TA/DA/Registration Fee **once in a year** provided that:-

(i) His/her scientific paper should have been accepted for presentation or invitation for lecture/talk and or chairing/co-chairing of session or he/she may have been invitation to participate as special invitee by the organizers.

b. He/she will be required **to submit participation certificate** and a report on the event within a period of 15 days on return.

c. In case of training program or courses, the invitation letter should be addressed to the Vice Chancellor the application to attend such training/courses should be routed through proper channel.

(ii) To attend various other academic activities in India & Abroad

To permit faculty members to attend various other academic activities such as:-

- ✓ To conduct the UG & PG Examinations as an External Examiners not more than **7 days** including transit period as approved earlier by BOM in 19.02.2014.
- ✓ To assist the various Selection Committees.
- ✓ To accept membership and to attend the meetings of the Universities Grants Commission / Indian Universities / Medical Colleges / Autonomous bodies etc.
- ✓ Permission to conduct inspection and to examine the facilities for starting Undergraduate / Postgraduate courses etc. at various Medical Colleges/Universities.
- ✓ Any other academic activities which is in the interest of the University, the faculty members can be permitted on duty terms over and above the entitlement of duty leave in a year.

The members of the Board of Studies as noted above that the Board of Management in its meeting held on 19.02.2014 has already approved the above academic activities except TA/DA/Registration Fee. The same has been again reviewed and **approved** by the members of the Board of Studies **with TA/DA/Registration Fee”**.

E. TO CONSIDER OF MODULE QUESTIONS FOR PAPER I & PAPER II [THEORY] FOR FIRST YEAR MBBS, ACCORDING TO MCI COMPETENCY BASED ASSESSMENT FOR MBBS PROGRAMME IMPLEMENTED FROM AUGUST 2019.

The members of the Academic Council considered **the Module Questions for Paper I & paper II [Theory] for First Year MBBS, according to MCI Competency Based Assessment for MBBS Programme Implemented from August 2019 Academic Activities** and **noted** the following: -

1. The Medical Council of India revised MBBS curriculum from August 2019 onwards. The MCI name as "Competency Based Undergraduate Curriculum for the Indian Medical Graduate". Accordingly, Heads of the Department of Anatomy, Physiology, Biochemistry were asked to submit the **Module Questions for Paper 1 & Paper II [Theory] for First Year MBBS, according to MCI Competency Based Assessment for MBBS Programme implemented from August 2019.**

2. The Heads of the Department of Anatomy, Physiology, Biochemistry provided the **Module Questions for Paper I & Paper II [Theory] for First Year MBBS, according to MCI Competency Based Assessment for MBBS Programme implemented from August 2019** and **approved** the same as under:

The members of the Academic Council after consideration the **Module Questions for Paper I & Paper II [Theory] For First Year MBBS, According To MCI Competency Based Assessment For MBBS Programme Implemented From August 2019** and **recommended/approved** as under: -

"The Module Questions for Paper I & Paper II [Theory] for First Year MBBS, according to MCI Competency Based Assessment for MBBS Programme implemented from August 2019" prepared and submitted by the Head of the Department of Anatomy, Physiology, Biochemistry, should be considered by a **Sub - Committee consisting of Dean - Medical, Medical Education Unit Co-Ordinator/Co-coordinator and Heads of the Department of Anatomy, Physiology, Biochemistry and finalized the same.**

The members of the Board of Studies decided that in case the **Module Questions for Paper I & Paper II [Theory] for First Year MBBS** which is likely notifying by the BOG/MCI in due course of time then, the same will be applicable".

F. TO CONSIDER TO START A VALUE-ADDED CERTIFICATE COURSE ON "EARLY INTERVENTION THERAPY IN INFANT" IN THE DEPARTMENT OF PAEDIATRICS, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a value-added certificate course in **"Early intervention therapy in infant"** in the Department of Paediatrics and **approved** the same as under:

1. "Name of the Course

"Early intervention therapy in infant"

2. Duration of the Course

16 Hours [4 hours Session, on Saturday from 1.00 P.M to 5.00 P.M]
containing 15 students per batch.

3. Eligibility Criteria

Post Graduate student of pediatric/Post Graduate student of
Physiotherapy perusing Neurology.

4. Course Fee: Rs.25,000/- per student

5. Course Director: Dr. Alka Agrawal, Professor & Head, Department
of Paediatrics

6. Course Methodology

- Didactic lectures
- Hands on training
- Online training

7. Course Syllabus

- Identification of high risk new born
- Assessment of high risk new born
- Different modes of giving early development therapy
- Hearing assessment in new born
- Vision assessment in new born
- Special care of pre mature babies
- Follow-up of growth
- Growth development and feeding in high risk new born before and after therapy".

**G. TO CONSIDER TO START A VALUE-ADDED CERTIFICATE COURSE
IN "DIGITAL SCANNING IN DENTISTRY" IN THE DEPARTMENT OF
ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS, SANTOSH
DENTAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.**

The members of the Academic Council after consideration the
minutes / recommendations of the **Board of Studies** to start a value-
added certificate course in "**Digital Scanning in Dentistry**" in the
Department of Department of Orthodontics & Dentofacial Orthopaedics and
approved the same as under:

1. "Name of the Course

"Digital Scanning In Dentistry"

2. Duration of the Course

16 Hours [Nos of Session = 4

Duration of each Session = 4 Hours Session [1.00 P.M to 5.00 P.M

10 students per batch.

3. Eligibility Criteria

BDS/MDS student of SDC&H, Santosh Deemed to be University

4. Course Fee:

Rs.500 per student

5. Course Director:

Dr. Parvinder Kaur, Reader, Department of
Orthodontics & Dentofacial Orthopaedics

6. Course Methodology

Will include Lectures, Workshop and Hands on Training

7. Course Syllabus

- BASIC COMPUTER KNOWLEDGE
- PATIENT MODEL
- DIGITAL SCANNING
- DIGITAL ANALYSIS
- TEMPLATE FORMATION
- EVALUATION/ DIAGNOSIS
- TREATMENT PLANNING"

H. TO CONSIDER TO START A VALUE-ADDED CERTIFICATE COURSE ON "INHALATION SEDATION IN PAEDIATRIC DENTISTRY" IN THE DEPARTMENT OF PEDODONTICS & PREVENTIVE DENTISTRY, SANTOSH DENTAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a value-added certificate course in "**Inhalation sedation in Pediatric Dentistry**" in the Department of Paediatrics & Preventive Dentistry and the same **Deferred**.

I. TO CONSIDER TO START A VALUE-ADDED CERTIFICATE COURSE ON "BASIC LIFE SUPPORT [BLS] AND MEDICAL EMERGENCIES" IN THE DEPARTMENT OF ORAL & MAXILLOFACIAL SURGERY, SANTOSH DENTAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a value-

added certificate course in **“Basic Life Support [BLS] and Medical Emergencies”** in the Department of Oral & Maxillofacial Surgery and **approved** the same as under:

1. “Name of the Course

“Basic Life Support [BLS] and Medical Emergencies”

2. Duration of the Course

16 Hours [4 hours Session, on Saturday from 1.00 P.M to 5.00 P.M] containing 30 students per batch.

3. Eligibility Criteria

BDS/MDS Students

4. Course Fee: Rs.3,500 per student

5. Course Director: Dr. Manoj Goyal, Professor, Department of Oral & Maxillofacial Surgery

6. Course Methodology

Enrolled students will be involved with work stations and stimulated clinical situations with a certified BLS instructor to complete the skills course. The instructor led programme, with support of didactic lectures and videos, will ensure that the participants learn to recognise potential life-threatening emergencies and initiate immediate chest compressions with ventilations on dummy models for both single rescuer and team BLS. The course will help the participants to perform BLS in clinical and road side scenarios for emergency care.

Participants would also learn to identify common medical emergencies and provide for emergency care till definitive help reaches the patient.

7. Course Syllabus

Basics concepts of BLS

: adult / Pediatric BLS

: Medical emergencies”

J. TO CONSIDER TO START A VALUE-ADDED CERTIFICATE COURSE ON “BASICS OF DENTAL CHAIR AND PERIODONTAL EQUIPMENT (PHYSIODISPENSOR / LASER)” IN THE DEPARTMENT OF PERIODONTICS AND ORAL IMPLANTOLOGY, SANTOSH DENTAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a value-added certificate course in **“Basics of Dental Chair and Periodontal Equipment (Physiodispensor/Laser)”** in the Department of Periodontics and Oral Implantology **and the same Deferred for some clarifications.**

K. TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON “CRITICAL CARE MEDICINE (FCCM)” IN THE DEPARTMENT OF

**ANESTHESIA, SANTOSH MEDICAL COLLEGE & HOSPITAL,
GHAZIABAD, NCR DELHI.**

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **Fellowship Program in "CRITICAL CARE MEDICINE (FCCM)"** in the Department of Anesthesia and **approved** the same as under:

1. "Name of the Course

Fellowship Program in "CRITICAL CARE MEDICINE (FCCM)"

2. Duration of the Course

6 Months full time resident fellowship in critical care with remuneration.

3. Eligibility Criteria

MD/DA Anesthesia, MD Medicine, MD pulmonology

4. Intake

2 students per session

5. Course Schedule

Sessions: January and July

6. Course Fees

Rs.30000/- per student

7. Course Director: Dr. Anil Kumar

8. Course Methodology

Regular training in ICU, Case discussions, Seminars, Bedside teaching, Journal Club, Mortality and morbidity meets. Weekly 4 hours duration classes.

Note:

- a. Certificate will be issued by the Santosh Deemed to be University and accredited by **SCCEM (society of critical care and emergency medicine)** after clearance of written final exam and viva.
- b. Faculty of the Santosh Medical College & Hospital, Ghaziabad, NCR Delhi will be arranged and utilized as per course requirements".

L. TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "ORAL IMPLANTOLOGY" IN THE DEPARTMENT OF PROSTHODONTICS & CROWN AND BRIDGE, SANTOSH DENTAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **"ORAL IMPLANTOLOGY"** in the Department of Prosthodontics & Crown Bridge **and the same Deferred for some clarifications.**

M. TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "DIAGNOSTIC & OPERATIVE GYNECOLOGIC LAPROSCOPY (MINIMALLY INVASIVE GYNECOLOGIC SURGERY)" IN THE DEPARTMENT OF ANATOMY, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **"DIAGNOSTIC & OPERATIVE GYNECOLOGIC LAPROSCOPY (MINIMALLY INVASIVE GYNECOLOGIC SURGERY)"** in the Department of **Anatomy** but the same **not approved**.

N. TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "ENDO-UROLOGY (FIEU)" IN THE DEPARTMENT OF GENERAL SURGERY, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **"ENDO-UROLOGY (FIEU)"** in the Department of Surgery and Oral Implantology and Head of the Department of **Surgery and the same Deferred for some clarifications**.

O. TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "CLINICAL PROCTOLOGY" IN THE DEPARTMENT OF SURGERY, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start fellowship programme in **"CLINICAL PROCTOLOGY"** in the Department of Surgery and Head of the Department of **Surgery and the same Deferred for some clarifications**.

P. TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "MINIMALLY INVAISVE SURGERY (FMIS)" IN THE DEPARTMENT OF GENERAL SURGERY, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **Fellowship Program in "MINIMALLY INVAISVE SURGERY (FMIS)"** in the Department of **Surgery** and **approved** the same as under:

1. "Name of the Course

Fellowship Program in “MINIMALLY INVAISVE SURGERY (FMIS)”

2. Duration of the Course

One Year

3. Eligibility Criteria

Post MS (General Surgery)

4. Intake

2 students per year

5. Course Schedule

August to August

6. Course Fees

Course Fee – 1,50,000 + GST

Exam Fee – 15000

7. Course Methodology

Admission to the course – All eligible candidates will appear for a MCQ based entrance test and interview. Selected Candidates will be given a time frame of 14 days to deposit fee and arrange accommodation etc.

Duty as a Fellow – Candidate will be allotted a surgery unit on rotation basis and will attend OPD, OT, perform emergency duties and surgeries. Minimum duty hours will be 48 hours apart from emergency call duties. Candidate will attend OPD.OT and Emergency at allied hospitals as a part of his/her duty. Candidate is supposed to do research in field of laparoscopic surgery and will publish atleast two research articles before course completion.

Stipend – A consolidated pay of 90000 per month will be given equivalent to Senior Resident as per University Guidelines.

Course Structure & Module – Complete Hands on experience under supervision as well as independent procedures, Video Lectures, Theory Classes, Endotrainer Sessions, Guest Lectures, CME's , Webinars etc.

Logbook – Candidate must maintain a logbook in a prescribe format which he/she has to submit before course completion.

Target – Candidate should perform at least 10 Laparoscopic Cholecystectomy, 10 Laparoscopic Appendicectomy, 5 Diagnostic Laparoscopy by the end of one year and should assist at least 5 cases each of Laparoscopic Hernia repair, Laparoscopic Colorectal and Upper GI Surgery.

Examination

Eligibility - Candidate should have performed the minimum no of basic laparoscopic procedures and assisted advance laparoscopic surgery as described. Logbook should be completed and duly attested by HOD. At least 2 publications (research article) in a journal of repute.

Examination Pattern - Part I : MCQ 100 marks

Part II : Practical 100 marks.
Minimum Passing Marks – 50%

'Examination pattern of practical exam will be same as Post Graduate final examinations along with dry laboratory skills'

Course Cancellation – Course fee is non-refundable. Fellowship course of the candidate can be cancelled by the University if at any point of time the candidate is found unsuitable for the course as per the norms laid down by the Santosh Deemed to be University.

Note:

- a. Certificate will be issued by the Santosh Deemed to be University after successful completion of course and obtaining 50% marks in Exit Exam.
- b. **Name of Course Director & HOD (Surgery) :- Prof. Dr. Shalabh Gupta**
Course Co-Ordination – Dr. Amit Agarwal

8. Course Syllabus

- Equipment Setup and Troubleshooting
- Ergonomics and Operating Room Design
- Access to Abdomen and Pneumoperitoneum
- Laparoscopic Hemostasis: Energy Sources
- Laparoscopic Cholecystectomy
- Laparoscopic Cholecystectomy: Avoiding Complications
- Laparoscopic Common Bile Duct Exploration
- Laparoscopic Appendectomy
- Diagnostic Laparoscopy
- Endosuturing and Intracorporeal Knotting
- Laparoscopic Inguinal Hernia Repair: TEP & TAPP
- Laparoscopic Ventral Hernia Repair
- Laparoscopic Colon Resections
- Laparoscopic Rectal & Pelvic Surgeries
- Laparoscopy in Emergency
- Laparoscopy in Acute Abdomen
- Laparoscopic Splenectomy"

Q. TO CONSIDER TO START A FELLOWSHIP PROGRAMME ON "ELDERLY HEALTH CARE" IN THE DEPARTMENT OF COMMUNITY MEDICINE, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies** to start a fellowship programme in **Fellowship Program in Fellowship Program in "ELDERLY HEALTH CARE"** in the Department of **Community Medicine** and **approved** the same as under:

1. "Name of the Course

Fellowship Program in "ELDERLY HEALTH CARE"

2. Duration of the Course

One Year

3. Eligibility Criteria

Post MD / DNB in Community Medicine or Family Medicine

4. Intake

2 students per year

5. Course Schedule

August to August

6. Course Fees

Course Fee – Rs. 1,00,000 + GST

Examination Fee – Rs.15,000/-

7. Name of Course Director: Dr. Deepika Agrawal

Course Coordinator:

Dr. Atish Anand

Course Faculty:

Dr. A Revanth Kumar

Dr. Anupama Singh

Mr. Ashish Gaur

7. Course Methodology

- a) **Admission to the Course:** all eligible candidates will appear for a MCQ based entrance test and interview. Selected candidates will be given a time frame of 14 days to deposit fee and arrange accommodation etc.
- b) **Duty as a Fellow:** candidate will be allotted a hospital duty for clinical posting in Departments of Medicine; Psychiatry; Pulmonary Medicine, Orthopedics and Dermatology for training in basic elderly care. He will also be posted in rural and urban health centre during this period, and will have to cover 1000 elderly population at both the places. Apart from this, he will be attached to an old age home for one month for devoted care of at least five elderly people.
- c) **Stipend:** A consolidated pay of 70,000 per month will be given equivalent to SR. One year SR experience certificate will be provided as per MCI and University guideline.
- d) **Course Structure & Module:** Complete Hands on training related to elderly health, including theory with practical classes i.e. clinical posting related to elderly care. The training will include Modules for theory classes with clinical and practical posting, Video lecture, Guest lecture, CME's,

Webinar etc., with Project submission on elderly health at the end of the course. He will also be required to publish atleast two research papers during his training

- e) **Log Book:** Candidates must maintain a log book in prescribed format which she/he has to submit before course completion.
- f) **Target:** Candidate should be able to prevent and treat elderly problems efficiently with full enthusiasm and confidence through clinical knowledge and psycho-social support to the elderly population.
- g) **Examination Eligibility:** Candidate should have theory and clinical examination with viva-voce on elderly patients. Log book should be completed and duly signed by HOD of all respective departments where he was posted. Project should be Submitted.

Examination Pattern: Pre + Post MCQ = 20 Marks with each module of theory and clinical Examination

Final MCQ Examination: Theory = 100 Marks

Practical = 100 Marks

Note:

Certificate will be issued by the Santosh Deemed to be University after successful completion of course and obtaining 50% marks in each Module, Mock test & Final Examination.

8. Course Syllabus

- Basic Elderly Health
- Clinical Elderly Care
- Basic Elderly Health (Practical)
- Clinical Elderly Care (Practical)“

R. TO CONSIDER THE REVISION OF CHOICE BASED CREDIT SYSTEM [CBCS] CURRICULUM FOR AWARD OF PH.D DEGREE.

The members of the Academic Council after consideration the **minutes/recommendations** of the **Board of Studies for Revision of Choice Based Credit System [CBCS] Curriculum for Award of Ph.D Degree and approved** the same as under:

(A). “Ph.D. Course-Work [1st Year]

The candidates registered for Ph. D degree are required to complete Ph.D. course-Work consisting of following three papers at the end of first year of registration. Paper I and Paper II are **compulsory papers** and candidate can select any one, from the pool of elective papers offered.

1) Paper I : Research Methodology, Biostatistics and Computer Basics

(8 Credits & 60 hours)

2) Paper II : Advanced Specialization in the subject area

(8 Credits & 60 hours)

3) Paper III : Elective Paper (4 credits & 60 hours)

Pool of Elective papers are as under:

1	Hospital Waste Disposal Management
2	Stem Cells And Regenerative medicine
3	Emergency Management and Evaluation of Patients
4	Molecular Diagnostics & Genetic Techniques
5	Pharmaceutical Sciences and Pharmacovigilance
6	Inflammation and inflammatory diseases
7	Neurodegenerative disorders
8	Biomaterials /Growth factors & Regenerative dentistry

(B) DISTRIBUTION OF HOURS / CREDITS

PAPER	TOPIC	HOURS	MARKS	CREDITS
Paper-I	Research Methodology, Biostatistics and Computer Basics	60	100	8
Paper-II	Advanced Specialization in the subject area	60	100	8
Paper -III	Choose any one of the Elective	60	100	4
Other mandatory credits to be earned [II & III Year]				
Dissertation/Thesis			200	8

Two Publications in indexed journal(preferably scopus/web of science/pubmed/UGC Care list with impact factor (preferably JCR)	Mandatory for submission of thesis	Hard copies to be submitted		1
Two Research paper presentation(poster and One oral presentation in National/international conference/seminar and workshops attended/field work	Prior to the submission of the dissertation/thesis	Certificates to be attached		1
Participation in Departmental research activities/teaching As per log book record	As per dept schedule (mandatory to participate)			2
Optional Credits:				
Research Funding For Advanced Learners: Awarded by National/International bodies	Govt/Non - Govt Sources	Certificates to be attached: a) Award sanction letter b) Evidence of fund received & utilization certificate c) Statement of expenditure d) Report		3
TOTAL			500	35

Paper II : The details of Advanced Specialization in the subject area are as under:-

Research scholar is required to do a course in Recent Advances in his/her research area under the concerned supervisor, the syllabus for the same will be provided by concerned Department.

- 1. Advances In Anatomy**
- 2. Advances In Physiology**
- 3. Advances in Biochemistry**
- 4. Advances In Microbiology**
- 5. Advances in Pharmacology**
- 6. Topics in Community Medicine**
- 7. Reproductive Endocrinology and Infertility**
- 8. Advances in Clinical Psychology**

9. **Pulmonary Medicine**
10. **Advances in Rehabilitation Medicine**
11. **Advances in Hematology**
12. **Advances in Maxillofacial Surgery**
13. **Advances in Orthodontics**
14. **Advances in Pedodontics**
15. **Advances in Prosthodontics**
16. **Integrated Implantology**

(C) Scheme of Examination and Passing:

- a. Assessment of the course work will be through **written examination** for 3 hours duration for each of the course paper. All theory examinations will be held at the end of 1st year and will be conducted by the University as per the norms from time to time.
- b. **Each** theory paper will be evaluated for **100 marks**.
- c. **Each** theory paper will consist of six questions of **25 marks** each and students are expected to answer any four questions out of six questions.

(D) Standard Point Scale for grading:

- a. Achievements shall be equated to equivalent grade points. A Ph.D. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the 7-point scale in each of the course work in order to be eligible to continue in the program and submit the Dissertation / Thesis.

Grade	Marks	Grade Points
O	95 - 100	10
A	90 - 94.99	9
B	80 - 89.99	8
C	70 - 79.99	7
D	60 - 69.99	6
E	55 - 59.99	5

F	Less than 55	Fail
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- b. If a student fails to clear the course work examination or remains absent, he /she should appear for the same next year along with the next batch. No separate exam will be conducted for the same.

(E) COURSE COMPLETION:

A Ph.D. scholar has to obtain minimum of 32 credits and maximum of 35 credits to have the Ph.D. degree awarded by Santosh deemed to be University.

Note:-

- a. Marks for **Paper-I** will be awarded by the respective Assessor/s as indicated under the heading of **Research Methodology, Biostatistics and Computer Basics** and recorded in the log book duly signed by Guide/HOD. The Result is to be sent through **RAC Coordinator** to the University.
- b. Marks for **Paper-II** will be awarded by the concerned Department Assessor/s as indicated under the heading of **Advanced Specialization in the subject area** and recorded in the log book duly signed by Guide/HOD. The Result is to be sent through **RAC Coordinator** to the University.
- c. Marks for **Paper-III** will be awarded by the concerned Department Assessor/s as indicated under the heading of **Elective Paper** and recorded in the log book duly signed by Guide/HOD. The Result is to be sent through **RAC Coordinator** to the University.

(F) That **Course Completion Certificate and Mark Sheet** is to be provided to the Ph.D. students after declaration of result and also issue of the Provisional Certificate as under:-



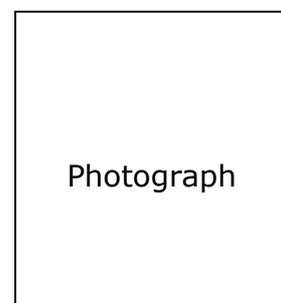
SANTOSH

Deemed to be University

(Established u/s 3 of the UGC Act, 1956)

PH.D. COURSE WORK CERTIFICATE

This is to certify that Dr. _____, S/o. _____ bearing Registration No. _____, Batch _____ was declared successful Ph.D. in _____ by the Santosh Deemed to be University, Ghaziabad, NCR Delhi, vide Notification No. _____ dated _____.



[REGISTRAR]

Dated : _____

Checked By: _____

Verified By : _____



SANTOSH

Deemed to be University

(Established u/s 3 of the UGC Act, 1956)

STATEMENT OF MARKS

Sl. No	Paper	Subject	Max. Marks	Marks Obtained	Credits
1	Paper - 1	Research Methodology, Biostatistics and Computer Basics	100		8
2	Paper - 2	Advanced Specialization in the subject area	100		8
3	Paper - 3	Choose any one of the Elective	100		4
4		Dissertation/Thesis	200		8
5		Two Publications in indexed journal	-		1
6		Two Research paper presentation	-		1
7		Participation in Departmental research activities/teaching As per log book record	-		2
8		Optional Credit - Research Grants	-		3
Total			500		35

This is also certified that Dr. _____ obtained _____ credit points as per University Grants Commission [UGC] Guidelines / Regulations dated 05.05.2016 vide Notification No. F,1-2/2009 (EC/PS) V(I) Vol. II

[REGISTRAR]

Dated : _____

Checked By : _____

Verified By : _____

S. TO CONSIDER (i) ADMISSION AND SELECTION PROCEDURE AND (ii) METHOD AND PROCEDURE FOR CONDUCTING THE UNIVERSITY EXAMINATION.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies for (i) Admission and Selection Procedure and (ii) Method and Procedure for Conducting the University Examination and approved** the same as under:

(i) "Admission and Selection Procedure

1. Admission and selection procedure through Entrance Tests

1.1 UG / PG [Medical / Dental] Admission Entrance Test:

All admissions for undergraduate [MBBS & BDS] and postgraduate students [MD, MS, MDS & PG Medical Diploma] will be done "through online counseling DGHS/MCC, Govt. of India, from the NEET qualified students according to their merit by online Counseling and further will continue follow the directions issued from time to time by the Govt. of India, DGHS/MCC, as per orders of the Hon'ble Supreme Court of India as per 09.05.2017.

1.2 Ph.D. Course Admission Entrance Test:-

The Ph.D. Candidates are admitted / selected according to the UGC Regulations May 2016 and as approved by the Board of Studies, Academic Council and Board of Management from time to time i.e. as under:-

- a. **SELECTION METHOD:** Through Entrance test and interviews
- b. **Entrance Test:** The Entrance Test of the eligible candidates is conducted in every year in 1st week September at Santosh Medical College, Ghaziabad and the interviews are conducted next day. The Entrance Test will be as under:-
 - A paper of MCQ of General Nature, intended to assess the teaching / research aptitude of the candidate [35 Marks].
 - Other paper of MCQ of **subject specific** for the concerned Ph.D. Course + [35 Marks].
 - Interviews / Viva Voce of 30 Marks: The candidates are required to present their Research Interest / Area through Power Point presentation before the **Department Research Committee** of the concerned department during their Interview / Viva Voce.
 - Final selection will be based on the merit after combining the marks of Entrance Test and Interviews, separately for each concerned department. [Total = 100 Marks]
- c. The candidates who have passed the CSIR-UGC NET – JRF examination or IRF examination by agencies like ICMR/ Department of Atomic Energy (DAE) etc. or selected already for JRF/ SRF/ Project fellows in research projects sanctioned by funding agencies to any of the faculty members of

this Santosh Deemed to be University shall be exempted from appearing for the Ph.D. entrance examination.

(ii) Method and Procedure for Conducting the University Examination:

(ii) 1. Professional Examinations for UG / PG [MEDICAL / DENTAL]

All eligible MBBS and BDS students are required to appear for their University Professional Examinations as per MCI/DCI Norms / Santosh Deemed to be University Regulations. The following procedure is adopted for the same:

Examination [Regular & Supplementary] Schedule is as under:-

A. BDS 1st, 2nd, 3rd, Final Year and M.Sc. Medical 1st & Final Year

Regular Examinations – July to August

Supplementary Examination – February to March

B. The MBBS Examinations from the Batch 2019-20 onwards, the schedule of the University Examinations will be as under, in accordance with the new MBBS Curriculum as Notified by the BOG / MCI:

1st Professional Examinations - September

2nd Professional Examinations - September

3rd Professional Examinations [Part – I] - October

3rd Professional Examinations [Part – II] - January

C. The schedule for University Professional Examinations with regard to existing MBBS 3rd and Final Year students is as under:

Regular Examination - February to March

Supplementary Examination – July to August

D. MD/MS/DIPLOMA & MDS

Regular Examination - April to May

Supplementary Examination – July to August

(ii) . 2. Paper Setter & External Examiner

- I. For UG & PG including M.Sc. Medical Courses University Examinations the **Panel of paper setters, panel of External Examiners is invited from concerned Head of the Department of Medical & Dental Colleges & Hospitals.**
- II. After selection of **Two** paper setters by the Vice Chancellor, letters are issued to the External paper setters for providing the **Two** set of question papers separately for Medical and Dental Courses, according to the MCI/DCI Norms.
- III. After selection of **Two** External Examiners by the Vice Chancellor, the letters are issued to External Examiners for conducting practical / viva voce examinations according to the **date sheet** and according to MCI/DCI Norms separately each for Medical and Dental Course.

- IV. For UG & PG including M.Sc. Medical Courses University Examinations, the **Question Papers are prepared by the External subject Experts.**
- V. Prior to the start of University Examination 10 to 15 days before the **Moderation Committee** is conducted under the Chairpersonship of Vice Chancellor. The constitution of the Moderation Committee every year UG & PG and M.Sc. Medical Examination as well as Minutes of the same are prepared. The guidelines as approved by the Board of Management from time to time are followed for Moderation of the Question papers for UG & PG including M.Sc. Medical Courses.
- VI. After approval of the **Moderation Committee** for the Question Papers, the necessary corrections are carried out in question papers and presently three sets are prepared for University Examinations.
- VII. The **duty roster** is prepared & issued with the prior approval of the concerned Dean of concerned college separately for Medical and Dental Examinations. No Relation Certificate is also signed by all **invigilators & Superintendents.** The same is prepared about 7-10 days prior to University Examinations.
- VIII. Seating arrangements along with security are made one day before the University Examination.
- IX. The Roll Number of all eligible students who have submitted the examination fee, form and clearance from the finance department relating to Fee etc., are pasted on desk of the examination halls in the evening for starting examination next day morning.
- X. **Three sets of question papers are prepared, printed and sealed for conducting University Examinations. Out of these three sets, one set is being chosen in front of Chief Superintendent, Invigilators and Students half an hour prior to the scheduled timing of the examinations.**

(ii) .3 Theory Examination

After conduction of examination on the concerned day, the answer seats are packed, sealed and signed separately by the invigilators and superintendents. These packets are handed over to the Controller of Examination and the same are kept in the **chest.**

(ii). 4. Thesis of all Medical and Dental PG Degree students

- I. The Panel of External Thesis Evaluators for PG Courses is invited from concerned Head of the Department of Medical & Dental Colleges & Hospitals, according to **MCI / DCI Norms.**
- II. **Thesis are evaluated by the External Faculty members** for PG Courses before conducting University Examinations

(ii). 5. Practical Examinations

The Answer Sheets of the UG & PG students are checked by the External & Internal Examiners i.e. (a) Two External and Two Internal Examiners for UG & PG Medical Courses including PG Dental Courses

(b) One External and One Internal Examiners for BDS & M.Sc. Medical Courses during the Practical / Viva Voce Examinations, according to the MCI & DCI norms.

(ii). 6. Result

- I. The results of each course of UG & PG including M.Sc. Medical Courses are obtained from the concerned department in **sealed cover** after evaluation by the external and internal examiners along with the evaluated answer sheets of students to the Controller of Examination Cell.
- II. **Tabulation Chart** of each Course is prepared checked and verified by the Examination Cell before the same is being placed to the **Examination Committee** [Medical and Dental separately] under the Chairpersonship of the Vice Chancellor. The Minutes of the Examination Committee are prepared and scrutinized by the **Examination Committee** and the Result is Notified / Declared accordingly.

(ii). 7. Ph.D. Course Work Examinations

- I. Successful completion of Course work examination within first 2 semesters shall be treated as prerequisite for Ph.D. programme. Scholars who have completed their course work alone shall be required to take up the Research part.
- II. The Course Work Examinations shall be conducted during the month of October every year.

The course work Examinations shall be conducted for 3 hours and evaluated for 100 marks”.

T. TO CONSIDER INCLUSION OF A CLAUSE FOR OFFER OF SWAYAM/MOOCs COURSES AS AN OPTIONAL COURSE – SANTOSH DEEMED TO BE UNIVERSITY.

The members of the Academic Council after consideration the **minutes / recommendations** of the **Board of Studies for the Inclusion of a Clause for offer of Swayam/MOOCs Courses as an Optional Course – Santosh Deemed to be University and approved** the same as under:

“Terms and Conditions for adoption of SWAYAM / MOOCs Courses by the UG students [Medical and Dental] are as under:

- a. MOOCs / SWAYAM courses offered online shall be informed by the concerned HODs to the students.
- b. The SWAYAM / MOOCs courses that has been opted / enrolled by the students and fill up the requisite format and submit to the Dean [Medical / Dental] through the concerned HOD. The Dean concerned shall scrutinize the course completion certificates and finally recommend to the University for necessary action.
- c. The SWAYAM / MOOCs online courses shall not be considered as a deciding factor for obtaining the regular Medical / Dental degree,

rather the same shall be utilized for having wider knowledge and be considered as an Optional Course/Elective Courses.

- d. The SWAYAM / MOOCs online courses will be over and above the MCI / DCI directions issued from time to time.
- e. The students who qualify for recognized SWAYAM / MOOCs Courses, the University will indicate the same in the Mark Sheets issued to the concerned students”.

The Meeting then came to an end with a vote of thanks to the Chair.

Sd/-

[Dr. V. P. Gupta]
Registrar & Member Secretary
Santosh Deemed to be University,
Ghaziabad

Sd/-

[Dr. Tripta S Bhagat]
Vice Chancellor
Santosh Deemed to be University,
Ghaziabad
