

# MINUTES OF THE 42<sup>nd</sup> ACADEMIC COUNCIL HELD ON 24.02.2021 AT 3:00 PM IN THE MAHARAJA HALL, SANTOSH MEDICAL COLLEGE, GHAZIABAD, NCR DELHI.

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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 41<sup>st</sup> MEETING OF THE ACADEMIC COUNCIL HELD ON 17.12.2020 AT 03.00 PM.

The Minutes of 41<sup>st</sup> meeting of the Academic Council held on 17.12.2020 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 41<sup>st</sup> MEETING OF THE ACADEMIC COUNCIL HELD ON 17.12.2020 AT 03.00 PM.

The Action Taken on the Minutes of 41<sup>st</sup> meeting of the Academic Council held on 17.12.2020 at 3.00 PM **were noted** by the Members of the Academic Council.

#### ITEM: 3

# TO CONSIDER THE MINUTES/ RECOMMENDATIONS OF THE 50<sup>th</sup> MEETING OF THE BOARD OF STUDIES HELD ON 22.02.2021 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 22.02.2021 at 3.00 PM and **approved** as under as indicated against each:-

# 1) TO CONSIDER THE MINUTES OF SUB COMMITTEE MEETINGS HELD ON 09.01.2021 & 29.01.2021 RELATED TO REFUND OF TUITION FEE, RETURN OF DOCUMENTS ETC

The Members of the Academic Council considered the **recommendations / minutes** of the Board of Studies and noted the recommendations of the Sub-Committee on the following policy matters in its meetings held on 09.01.2021 & 29.01.2021 and **approved** as under:

- 1. Return of Original Certificates
- 2. Tuition Fee Refund
- 3. Hostel Fee Refund
- 4. Discontinuation of Course
- 5. Penalty for non-payment of Fee etc.
- 6. Dress Code

# 1. Return of Original Certificates/Documents:-

The committee considered the issue and recommended the following for all Medical, Dental & Diploma Students etc.: -

- a) All original certificates are required to be submitted by the candidate at the time of admission as per the Regulations/Directions of MCC/DGHS, NMC/DCI and the other Regulatory Bodies for their authentication/verification of the certificates.
- b) These original documents will be returned to the students except Transfer Certificate/ Migration Certificate approximately after 3 months of completion of the admissions process of the concerned course for verification of authenticity for Medical, Dental including other courses.
- c) The students who are studying and their documents have not been returned till so far, even after six months, their documents may be returned immediately.

# 2. Refund Policy for Tuition fee:-

The committee considered the issue and recommended the following for all Medical, Dental & Diploma Students: -

a) A processing fee of Rs.25,000/- will be charged from the students who withdraw their admission as per free exit in first round of counselling of MCC/DGHS OR upgradation during the Second Round of counselling OR any other directions issued by the MCC/DGHS from time to time. The balance tuition fee will be refunded to the student and along with

- documents submitted at the time of admission during second round of counselling.
- b) **100%** tuition fee for the 1<sup>st</sup> Year will be charged from the students who have taken/ admitted for a **confirmed seat** in the second round, Mop up round and stray vacancy round counselling of MCC/DGHS **OR** any other directions issued by the MCC/DGHS from time to time in this regard.
- c) **For other courses**, 25% of the tuition fee of the 1<sup>st</sup> Year will be charged from the student and balance tuition fee will be refunded to the student and along with pending documents, if any, submitted at the time of admission within a period of **30 days**.
- d) For other courses, in case a student is not found eligible to the concerned course due to qualifications /admission criteria and seat remains unfilled then a processing fee of Rs.2500/- will be charged and balance fee along with documents, if any, will be returned within a period of 30 days.
- e) In case where student has deposited Tuition fee and later on he is not willing to take admission before the start of session and the seat is filled in, in that case Rs.10,000/- as a processing fee will be deducted and balance amount will be reimbursed within a period of 30 days from the date of start of session.
- f) In case, any advance amount is deposited in anticipation with the consent of the student and subsequently if the student could not qualify / not able to get admission then whatever amount deposited, will be refunded to him / her with in a period of 30 days.

#### 3. Hostel Fee Refund Policy:-

The committee considered the issue and recommended the following for all Medical, Dental & Diploma Students: -

- a) The Hostel fee is required to be deposited annually in advance by the concerned student for 12 months.
- b) In case student leaves the hostel within 15 days after commencement of teaching session / after allotment of hostel then 10% of deposited hostel fee shall be deducted. If student leaves the hostel after 15 days but not later than 30 days, then 50% of the hostel fee shall be deducted.
- c) In case student leaves the hostel **after 30 days** after commencement of teaching session / after allotment of hostel then whatever hostel fee has been deposited, shall be forfeited.

# 4. Discontinuation of Course Policy:-

The committee considered the issue and recommended the following for all Medical, Dental & Diploma Students: -

- a) In case a student discontinues the course in midterm after starting of the session then whatever fee was deposited will be forfeited and the pending documents, if any, will be returned after obtaining no dues from the concerned sections /departments.
- b) In such cases, Santosh Deemed to be University will issue the Migration/Transfer Certificate to the student by mentioning course discontinuation.
- c) In such cases where the student have executed a bond and submitted postdated Cheques (PDC) for the remaining period of the course, will be required to pay the fees as per the terms & conditions of the bond.
- d) Those students who have not executed bond and not submitted postdated Cheques (PDC), in such cases the fees submitted by students will be forfeited and further fee for the remaining period of course will not be liable to pay by the students and the documents, if any, will be returned to them.

### 5. Penalty for non-payment of Fee etc.:-

The committee considered the issue and recommended the following for all Medical, Dental & Diploma Students: -

- a) In case student is unable to deposit tuition fee or any other dues as per prescribed fee mode in advance then he /she will not be permitted to appear in University Examinations until he pays all dues.
- b) **Rs.500**/- per day for first 30 days and **Rs.1000**/- per day for next 30 days and **Rs.2000**/- per day as a penalty beyond 60 days will be imposed and required to pay by student till he pays Tuition fee / any other dues i.e. hostel fee etc.
- c) The students who pay the fee through Bank Cheques and if the Cheque gets bounced / stopped without consent / concurrence of the authority, legal action will be taken accordingly.

#### 6. <u>Dress code:-</u>

The committee considered the issue and recommended the following for all Medical, Dental & Diploma Students: -

- a) The students are required to wear proper dress with white apron as already been decided for the concerned course.
- b) The students are required to display their Identity Cards issued by the concerned colleges.

2) TO START A VALUE-ADDED CERTIFICATE COURSE ON "INHALATION THERAPY" IN THE DEPARTMENT OF RESPIRATORY MEDICNE, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI - EX-POST FACTO APPROVAL

The Members of the Academic Council considered the **recommendations / minutes** of the Board of Studies for starting a value-added certificate course on "INHALATION THERAPY" in the Department of Respiratory Medicine and **noted** that the necessary orders in this regard were issued on 02.01.2021 on usual terms and conditions.

The Members of the Academic Council **granted ex post facto approval** for the same as under: -

#### 1. "1. Name of course:

"Inhalation Therapy"

#### 2. Duration of the Course:

16 Hours [4 hours Session, on Saturday from 1.00 P.M to 5.00 P.M] containing 04 students per batch

### 3. Eligibility Criteria:

MBBS Interns, PG Students of Clinical Departments and Staff Nurses

#### 4. Course Fee:

Rs.500/- per student

#### 5. Course Directors:

- i. **Director**-Dr. Sanjay Sahay, Prof. & HOD Respiratory Medicine
- Co-Director-Dr. Prachi Saxena, Assistant Professor, Respiratory Medicine

#### 6. Course Methodology:

Participants will be given orientation about different types of inhalation devices in practice, commonly used devices, their mechanism and how to use them in different setup will be discussed along with advantage of one type of device over other will be explained."

3) TO START A FELLOWSHIP PROGRAMME ON "CRITICAL CARE MEDICINE (FCCM)" POST MD/DA ANESTHESIA, MD MEDICINE, MD PULMONOLOGY IN THE DEPARTMENT OF ANESTHESIA, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI- EX-POST FACTO APPROVAL.

The Members of the Academic Council considered the **recommendations / minutes** of the Board of Studies for some **changes** to start a **Fellowship Programme in "CRITICAL CARE MEDICINE (FCCM)"** post MD/DA Anesthesia, MD Medicine, MD Pulmonology qualifications in the Department of Anesthesia and noted that the necessary orders in this regard were issued on **05.01.2021** on usual terms and conditions.

The Members of Academic Council **granted ex post facto approval** for the same as under: -

#### "Name of the Course:

# Fellowship Programme in "CRITICAL CARE MEDICINE (FCCM)

#### 1. Duration of the Course:

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

### 2. Eligibility Criteria:

MD/DA Anesthesia, MD Medicine, MD pulmonology

#### 3. Intake:

2 students per session

#### 4. Course Schedule:

Sessions: January and July

#### 5. Course Fees:

Rs.10000/- per student instead of Rs.30000/-

#### 6. Course Director: Dr. Anil Kumar

#### 7. 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".

4) TO START A FELLOWSHIP PROGRAMME ON "CRITICAL CARE MEDICINE (FCCM)" POST MBBS IN THE DEPARTMENT OF ANESTHESIA, SANTOSH MEDICAL COLLEGE & HOSPITAL, GHAZIABAD, NCR DELHI- EX-POST FACTO APPROVAL.

The Members of the Academic Council considered the **recommendations / minutes** of the Board of Studies for some **changes** to start a **Fellowship Programme in "CRITICAL CARE MEDICINE (FCCM)"** post MBBS qualification in the Department of Anesthesia and **noted** that the necessary orders in this regard were issued on **06.02.2021** on usual terms and conditions.

The Members of Academic Council **granted ex post facto approval** for the same as under: -

# 1. "Name of the Course:

Fellowship Programme in "CRITICAL CARE MEDICINE (FCCM)

#### 2. Duration of the Course:

One Year [6 Months Basics and Six Months advanced]

### 3. Eligibility Criteria:

One year Experience after MBBS

#### 4. Intake:

4 students

#### 5. Course Schedule:

January [Will be advertised on July session if no admissions during January session]

Candidates will be eligible to do take the advanced course only after completing Basic Course

#### 6. Course Fees:

Course Fee-10,000/- Per Candidate for Basic Course and Rs.5000/- as SCCEM Registration Fee (Instead of Rs.25,000/-)

Course Fee-10,000/- Per Candidate for Advanced Course and Rs.5000/- as SCCEM Registration Fee (Instead of Rs.25,000/-)

#### 7. Course Director: Dr. Anil Kumar

#### 8. Course Methodology

**Basics of Critical Care** 

Regular training in ICU, Case discussions, Seminars, Bedside teaching, Journal Club, Mortality and morbidity meets.

#### Note:

- a. Certificate will be issued by the Santosh Deemed to be University and accredited by SCCEM (society of critical care and emergency medicine) & HSF (Healthcare Skills Foundation) after clearance of written final exam and viva.
- b. Visiting Faculty will be arranged and utilized as per course requirements.
- c. Few training modules and workshop must to finish course, along with logbook and a small project.
- d. Institutional requirements:

Training room, CPR Mannequin-Adult & Paediatric, Incubation Mannequin, AED, ECG rhythm simulator/Multi-Parameter Arrhythmia Simulator, IV training arms-Child, Adult, Trauma Modules, Large Display/ Poster board, Marker Board, Audio visual aids, stationary and printing supplies."

5) TO CONSIDER THE REVISED GUIDELINES FOR ESTABLISHMENT OF INNOVATION, INCUBATION AND ENTERPRISE CENTRE AT SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, NCR DELHI- EX-POST FACTO APPROVAL

The Members of the Academic Council considered the **recommendations / minutes** of the Board of Studies to consider the Revised Guidelines for establishment of Innovation, Incubation and Enterprise Centre as submitted by the Dean-Research and **noted** that the necessary orders were issued in this regard on 30.01.2021.

The Members of Academic Council **granted ex post facto approval** for the same as under: -

# THE GUIDELINES FOR ESTABLISHMENT OF INNOVATION, INCUBATION AND ENTERPRISE CENTRE – SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, NCR DELHI.

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- 1. The purpose of establishing Incubation Centre is:
  - a. Faculty Members/Staff/Research Scholars/Students at Santosh Deemed to be University are continuously engaged in knowledge generation and dissemination. A large number of research activities are being carried out by them in several cutting-edge healthcare and

medicine areas. However, many of these research outcomes do not get translated into commercial products or technologies, benefiting the society in general. For this purpose, Santosh Deemed to be University proposes to promote business incubation by encouraging entrepreneurship among the Faculty, Staff, Research Scholars, and Students by initiating the following activities: (i) incubation of companies by Santosh Deemed to be University with active support by its Faculty / Staff / Research Scholars / Students (ii) establishment of companies based in part or in full on technologies/IP developed by the University or jointly in collaborative mode, and (iii) incubation support to external Start-ups with which Faculty/Staff/ Research Scholars / Students are associated as consultants or mentors.

- b. Promote & interact with, and resource technology/expertise from faculty members and research scholars and laboratory infrastructure in the various departments and centres of the University.
- c. Help in getting other kinds of techno-managerial expertise required that is not available within the university.
- d. Incubating novel technology and business ideas into viable commercial products or services.

#### 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 external startups. 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 a job elsewhere. The culture can be propagated to the constituent college 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 Company**

S. No.	Name	Designation on the Board
1	Chancellor	Chairman
2	Vice Chancellor	Vice-Chairman
3	Dean Research	Director
4	Sr. Incubation Manager	Member Secretary

- c. The Incubation Centre will be established as a Section-8 Non for-profit Company under Companies Act, 2013. Society registered by and in Santosh Deemed to be University, under the Societies Act, for the primary purpose of promoting and fostering Incubation of Start-up companies.
- d. The Board would be instrumental in promoting the Incubation Centre in their network, selection of clients in Incubation Centre, generating awareness in the 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 Centre.

# 5. Selection/Monitoring Committee of the Centre is constituted by the University consisting of the following:

Regular Members			
1	Dean Research, Santosh Deemed to be University		
2	Research Associate, Santosh Deemed to be University		

3	Sr. Incubation Manager, Incubation Centre, Santosh Deemed to be University			
Invite	Invited Members			
4	Technical Expert	Invited member(s) based on Sector of Startup		
5	Domain Expert	Invited member(s) based on Sector of Startup		

#### 6. Functions of the Incubation Center are as under: -

- a. The Centre will address all day-to-day activities of the Centre and shall implement all policy decisions taken by the Board of Directors. The Centre shall provide support to the Start-ups for job creation, and economic health enhancement of the society.
- b. The Core team of the Incubation Centre will manage the center on a 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/ CEO will report directly to the Board of Directors.
- c. The Centre will be responsible to establish a 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 Center 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 center.
- 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 Selection/Monitoring 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 a 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 concepts and develop a business plan. The center shall help the students to establish and maintain relationships with a network of banks, investors, venture capitalists, and corporate equity investors and through capital networks, brokers, and personal contacts. The Centre shall work as a bridge between student entrepreneurs at the Centre and appropriate resources from the 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 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 the 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 to 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 the Group of Ministers (GoM) and Government of India (GoI) Start-up related programs and other libraries that can provide additional resources to students.

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 Basis evaluation criteria for applicant shall be as follows:

- Completeness of the application including a business model presentation to the selection/ Monitoring 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. Usage Charges are as under: -

First 6 months of the incubation of the startup will be complementary and facilities will be provided by the University, in order to develop the prototype and check the viability of the idea. If the startup has financial viability and further wants to use the infrastructure and facilities of the University, he will pay the charges of the facilities from time to time as per the guidelines of the university.

#### 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

6) TO CONSIDER SETTING UP OF SELECTION COMMITTEE FOR SELECTING STARTUPS/INNOVATORS UNDER BSC BIONEST BIO-INCUBATOR-SPROUT PROGRAMME-INNOVATION, INCUBATION AND ENTERPRISE CENTRE OF THE SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, NCR DELHI- EX-POST FACTO APPROVAL.

The Members of the Academic Council considered the **recommendations / minutes** of the Board of Studies to consider Setting up of Selection Committee for selecting Startups/ Innovators under BSC BIONEST BIO-INCUBATOR -SPROUT programme at Santosh Deemed to be University, Ghaziabad, NCR Delhi as submitted by the Dean-Research and **noted** that necessary orders in this regard were issued on 30.01.2021.

The Members of Academic Council **granted ex post facto approval** for the same as under: -

#### **Selection Committee**

	Regular Members				
1	Dean Research, Santosh Deemed to be University				
2	Research Associate, San	tosh Deemed to be University			
3	Sr. Incubation Manager, Incubation Centre, Santosh Deemed to be University				
4	Ms.Suman Gupta, COO,	BSC Bionest Bio-Incubator			
	Invited Members				
5	Technical Expert	Invited Member(s) based on Sector of Startup			
6	Domain Expert	Invited Member(s) based on Sector of Startup			

**Quorum:** At least 3 Regular Members, at least one Invited Member and one member from BSC Bionest Bio-Incubator.

7) TO CONSIDER THE REVISED PH.D REGULATIONS FOR THE AWARD OF PH.D DEGREE IN MEDICAL AND DENTAL DISCIPLINES AT SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, NCR DELHI.

The Members of the Academic Council considered the recommendations / minutes of the Board of Studies and noted that the earlier Regulations for award of Ph.D Degree in Medical and Dental disciplines which were considered and approved/amended by the Board of Management from time to time (in 23 meetings) keeping in view of the University Grants Commission(UGC) Regulations and following in various deemed Universities/Institutions.

The Members of the Academic Council considered the **Revision** of the existing Regulations for the award of Ph.D Degree in Medical and Dental Disciplines at Santosh Deemed to be University, Ghaziabad, NCR Delhi keeping in view of the Revised Regulations of UGC 5<sup>th</sup> May 2016 and 16<sup>th</sup> October 2018, further after comparison of the existing policy/ Regulations of the various Health Universities such as Manipal, Sri Ramachandra, AIIMS-New Delhi, AIIMS-Jodhpur etc and **approved** the same as under:

#### 1. SHORT TITLE AND COMMENCEMENT

These Regulations shall be called "THE REGULATIONS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.) OF SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, NCR DELHI.

These revised Regulations shall come into force with effect from the academic year 2021 - 22 subject to changes/amendments from time to time by the University Grants Commission (UGC), or as approved by the Board of Management.

#### 2. ELIGIBILITY

Candidates applying for admission to Ph.D. program should have qualified with at least 55% marks in aggregate **OR** its equivalent grade "B" in the UGC 7 point scale (or an equivalent grade in a point scale wherever grading system is followed) in M.Sc. Medical Anatomy, Medical Physiology, Medical Biochemistry and Medical Microbiology (three years course) as per UGC Norms **OR** PG in Medical/ Dental Courses (50 % Marks) as per MCI & DCI Norms.

Further relaxation of 5% marks or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently abled.

# 3. REQUIREMENTS FOR ADMISSION OF FOREIGN NATIONALS/NRI:

- 3.1 Foreign Nationals/NRI are required to fill in the prescribed application form indicating the choice of subject (only one subject) for admission to postgraduate course leading to award of Ph.D. degree.
- 3.2 The Foreign nationals/NRI are required to send their application through Diplomatic Channel. They are also required to appear for Entrance test and interview along with other candidates.
- 3.3 Seats are not reserved in any discipline for foreign nationals/NRI
- 3.4 No Fellowship / Grant will be provided to Sponsored / Foreign National/NRI candidates

#### 4. DURATION OF PH.D COURSE:

- 4.1 The minimum duration of the course shall be for a period of three years from the date of registration/admission of the Ph.D Programme and maximum duration of six years. The Ph.D Course is full time Course. All Ph.D students will require to attend/follow the distribution of hours/ credits and Ph.D Work Course (1st Year) as per UGC Norms. Those Ph.D students selected for Junior Research Fellowship (JRF) and Senior Research Fellowship (SRF) as per the eligibility Criteria will be required as a regular Ph.D Student.
- 4.2 Extension beyond the above limits will be governed by the University decisions on case to case basis.
- 4.3 The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years for Ph.D. in the maximum duration. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of Ph.D. for up to 240 days.

### 5. ADMISSION NOTIFICATION FOR PH.D. PROGRAMME

Admissions shall be for only one Session during the month of September of the corresponding year.

The availability of Ph.D. seats in various disciplines shall be **advertised in the National Dailies [Two] every year well in advance and also notified in the University website**, indicating number of seats, departments, qualifications and other relevant information.

Students willing to take admissions to the Ph.D Programme shall have to submit the application in the prescribed format with all requisite Annexures so as to reach the Registrar, Santosh Deemed to be University on or before the specified date.

# 6. TENTATIVE SCHEDULE OF PH.D. REGISTRATION PROCESS

SN	Particulars	Month	
1	Release of Advertisement	Second Week of July	
2	Entrance Examinations / Viva Voce/	By 10 <sup>th</sup> September	
	Publication of Result		
3	Last date for closure of Admissions /	By 31 <sup>st</sup> October	
	Registration		

# 7. QUALIFICATIONS / ELIGIBILITY CRITERIA:

S.No	Name of the	Qualifications / Eligibility Criteria			
	Department				
1.	Anatomy	<ul><li>1.The candidates who possess MD/MS/DNB Anatomy or an equivalent degree</li><li>2.The candidates who possess a recognized degree of M.Sc. Medical Anatomy</li></ul>			
2.	Physiology	The candidates who possess MD/MS/DNB Physiology or an equivalent degree  The candidates who possess a recognized degree of M.Sc. Medical Physiology			
3.	Biochemistry	<ol> <li>The candidates who possess MD/MS/DNB Biochemistry or an equivalent degree</li> <li>The candidates who possess a recognized degree of M.Sc. Medical Biochemistry</li> </ol>			
4.	Microbiology	<ol> <li>The candidates who possess MD/MS/DNB Microbiology or an equivalent degree</li> <li>The candidates who possess a recognized degree of M.Sc. Medical Microbiology</li> </ol>			
5.	Pharmacology	1. The candidates who possess MD/MS/DNB Pharmacology or an equivalent degree			

		2.The candidates who possess a recognized degree of M.Sc. Medical Pharmacology		
6.	Haemato Path.(Pathology)	The candidates who possess a recognized Degree of MD in Pathology / Pediatrics / Medicine will be eligible for Ph.D. in <b>Hemato Path in the Department of </b> Pathology.		
7.	Community Medicine	The candidates who possess a recognized Master Degree in Behavioral Science/ Home Science/ Nutrition / Master in Public Health or Allied subjects will be eligible for Ph.D. in the <b>Department of Community Medicine.</b>		
8.	Clinical Psychology (Psychiatry Dept.)	The candidates who possess a recognized Degree of MD in Psychiatry or M. Sc. in Clinical Psychology or M.A. in Psychology or M.Phil. in Psychology / Clinical Psychology will be eligible for Ph.D. in Clinical Psychology in the Department of <u>Psychiatry</u> .		
9.	Department of Orthopedics [Physiotherapy]	A recognized Degree of Masters of Physiotherapy [MPT]		
10.	Department of Orthopedics [Occupational Therapy]	A recognized Degree of Masters of Occupational Therapy [MOT]		
11.	TB & Chest	The candidates who possess degree of Doctor of Medicine or an equivalent degree or Diplomat of the National Board of Examinations or Diploma in Tuberculosis & Chest Diseases (D.T.C.D.) or M.Sc. in Biotechnology or M.Sc. Medical Microbiology or M.Sc. Microbiology will be eligible for Ph.D. in the <b>Department of TB &amp; Chest.</b>		
12.	Obstetrics & Gynaecology	The candidates who possess a recognized Degree of MS/MD in Obstetrics & Gynecology will be eligible for Ph.D. in Obstetrics & Gynecology in the Department of Obstetrics & Gynecology.		
13.	Maxillofacial Surgery	A recognized Degree of MDS – Oral & Maxillofacial Surgery / Allied Subjects  MDS in Clinical Disciplines/ Specialties		
14.	Integrated Implantology	MDS – Oral & Maxillofacial Surgery / Allied Subjects  MDS in Clinical Disciplines/  Specialties		

15.	Orthodontics & Dentofacial Orthopaedics	MDS – Orthodontics & Dentofacial Orthopaedics/Allied Subjects	
16.	Pediatric & Preventive	MDS – Paediatric & Preventive Dentistry / Allied	
10.	Dentistry	Subjects	

# 8. <u>SELECTION PROCEDURE FOR PH.D PROGRAMME</u>

Selection of Ph.D Programme shall be through Entrance test and interviews as per UGC Regulations as under:

<u>Entrance Test</u>: The Entrance Test for the eligible candidates will be conducted every year for September session at Santosh Medical College, Ghaziabad and the <u>interviews</u> are conducted the following day normally. The procedure for the conduct of Entrance Test will be as under:-

- a. Paper-I: MCQ of General Nature, intended to assess the teaching / research aptitude of the candidate [35 Marks].
- b. Paper-II: MCQ of **subject specific** for the concerned Ph.D. Course [35 Marks].
- c. <u>Interviews / Viva Voce</u>: 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 [30 Marks].
- d. Final selection will be based on merit after combining the entrance test marks and the interview marks.
- e. The University shall maintain the list of all Ph.D. registered students on its website on year-wise basis. The list shall include the name of the registered candidate, topic of his/her research, name of his/her Guide /Co-Guide, date of enrolment/registration.

#### 9. IN SERVICE FACULTY FOR ADMISSION TO PH.D PROGRAMME.

The faculty members have rendered minimum three years regular service under the Santosh Deemed to be University will be eligible to apply for the Ph.D course. Not more than 50% of the faculty of the concerned department at a time shall be permitted for doing the Ph.D course. The faculty member who registered

for Ph.D Program will not be eligible a Chief Supervisor of any candidate who is pursuing the Ph.D Course. Other criteria and terms and conditions will be the same.

# **10.EXCEPTIONS FOR ENTRANCE TEST**

The candidates who have passed the CSIR-UGC NET/JRF examinations or IRF examination by agencies like ICMR/ Department of Atomic Energy (DAE) etc. of the current year of admission / in service faculty shall be exempted from appearing for the Ph.D. entrance test, however appearing for the Viva-Voce/Interview Examination will be required for such candidates.

# 11. FELLOWSHIPS FOR JRFs & SRFs

Provision for Junior Research Fellowship (JRF) and Senior Research Fellowship (SRF) for the candidates who are enrolled as full time Ph.D Scholars in the University as per the eligibility Criteria as under:

Category	Eligibility	Fellowship Amount	Number of Fellowship	Period
JRF	As per the decisions of the Sub-Committee held for the purpose.	Rs. 35000/- Per Month and Rs.10000/- contingency grants per annum.	per year (Medical Disciplines) and Two per year (Dental Disciplines)	eligibility criteria, One Year from the date of award of JRF subject to an extension of one more year on satisfactory performance in
SRF	As per the decisions of the Sub-Committee held for the purpose.	Rs.40000/- Per Month and Rs.15000/- contingency	-	On satisfactory performance and on due recommendation s of RAC during

	g	grants	per	the third year	of
	a	annum.		Ph.D Research	

#### Constitution of the Sub-Committee is as under:

Vice Chancellor - Chairperson

Dean, Medical - Member

Dean, Dental - Member

Dean, Academics - Member

HOD/Guide of Concerned Dept. - Member

Registrar - Member

Dean Research - Coordinator

No fellowships / Grant will be provided by the University for the JRF/SRF Candidates who receive funds/ grants from external agencies for undergoing research in the University.

# 12.LEAVE AND OTHER RULES FOR PH.D., COURSES

The Ph.D. students are entitled for <u>30 days leave</u> every year. If leave is extended in a year then the extended period is treated as Extra Ordinary Leave and his/her minimum registration will be extended to that extent.

#### 13. ELIGIBILITY CRITERIA FOR APPOINTMENT OF RESEARCH SUPERVISORS

On detailed discussion on the eligibility criteria of UGC, MCI / NMC, AIIMS-Delhi, AIIMS-Jodhpur, Manipal Deemed to be University and Shri Ramachandra Deemed to be University, the Eligibility Criteria for **Research Supervisors** of Santosh Deemed to be University is as under:

S.No	Designation	Max.	Qualification	Experience	Research
		Candidates			Publications
		8 at any	Ph.D. with	3 years after	5 in refereed /
1	Professor	given point	Medical M.Sc.	Ph.D.	Indexed Journals /
		of time			UGC Care

			Ph.D. with MD/MS/MDS	Nil	4 in refereed / Indexed Journals / UGC Care
			MD/MS/DNB/M DS	5 years teaching experience after acquiring MD/MS/DNB (as per Ramachandra & Manipal Universities)	4 in refereed / Indexed Journals / UGC Care
			MD/MS/DNB with additional qualifications of DM/M.Ch	2 Years teaching experience after DM/M.ch	4 in refereed / Indexed Journals / UGC Care
			Ph.D. with Medical M.Sc.	3 years after Ph.D.	2 in refereed / Indexed Journals / UGC Care
			Ph.D. with MD/MS/MDS	Nil	2 in refereed / Indexed Journals / UGC Care
2	Associate Professor/ Reader	6 at any given point of time	MD/MS/DNB/M DS	5 years teaching experience after acquiring MD/MS/DNB (as per Ramachandra & Manipal Universities)	2 in refereed / Indexed Journals / UGC Care
			MD/MS/DNB with additional qualifications of DM/M.Ch	2 Years teaching experience after DM/M.ch	2 in refereed / Indexed Journals / UGC Care
			Ph.D. with Medical M.Sc.	3 years after Ph.D.	2 in refereed / Indexed Journals / UGC Care
3	Assistant Professor/ Senior	rofessor/ 4 at any	Ph.D. with MD/MS/DNB/MDS	Nil	2 in refereed / Indexed Journals / UGC Care
	Lecturer	of time	MD/MS/DNB/M DS	5 years teaching experience after acquiring MD/MS/DNB (as per Ramachandra	2 in refereed / Indexed Journals / UGC Care

			& Manipal	
			Universities)	
		MD/MS/DNB	2 Years teaching	2 in refereed /
		with additional	experience after	Indexed Journals /
		qualifications of	DM/M.ch	UGC Care
		DM/M.Ch		

#### 14.APPOINTMENT OF CO-SUPERVISOR

- 14.1 In case of Inter-disciplinary Research where the Department concerned feels that the expertise needs to be supplemented from the outside Department, may opt for Co-Supervisor from other concerned Department of the University or from any other University / College / Institutions as agreed upon by the consenting University / Institution / College. The Co-Supervisor will be appointed after the recommendations of the Supervisor and Departmental Committee along with the consent of the Co-Supervisor by the University.
- 14.2 The Supervisor should be from the Santosh Deemed to be University as per UGC Norms.
- 14.3 The Supervisor and Co-Supervisor(s) shall not be related to the Candidate.

### 15. PH.D. COURSE WORK

# 15.1 Ph.D. Course-Work [1st Year]

As per UGC Regulations (Minimum Standards and Procedures for the Award of M.Phil/Ph.D Degrees), May 2016, the Course Work: Credit requirements, number, duration, syllabus, minimum standards for completion etc., are mandatory for the Ph.D Degree.

The candidates registered for Ph.D. Degree in the University are required to complete Ph.D. course-Work consisting of following four papers at the end of First Year of registration. Paper I, Paper II and Paper III are compulsory papers and candidate can select any one, from the pool of elective papers offered under Paper IV.

Paper I: Research Methodology, Biostatistics and

Computer Basics (4 Credits & 60 hours)

Paper II : Advanced Specialization in the subject area

(4 Credits & 60 hours)

Paper III : Research and Publication Ethics

(2 Credits & 30 hours)

Paper IV : 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

# **15.2 DISTRIBUTION OF HOURS / CREDITS**

PAPER	TOPIC	HOURS	MARKS	CREDITS
Paper-I	Research Methodology, Biostatistics and Computer Basics	60	100	4
Paper-II	Advanced Specialization in the subject area	60	100	4
Paper-III [Provision for Credit Transfer available through SWAYAM / MOOCS] / University Offline Teaching]  As per UGC letter No. D.O.No.F.1- 1/2018(Journal/Care) dated 26.12.2019	Research & Publication Ethics	30	100	2
Paper-IV	Choose any one of the Elective	60	100	4
Other mandatory credits to be	earned [II & III Year]		<del>_</del>	
Dissertation/Thesis			200	6
Two Publications in indexed journal(preferably scopus/web of science/pubmed/UGC Care list with impact factor (preferably JCR)	Mandatory for submissi thesis Hard copies to be submitted			1

Two Research	paper	Prior to the submission of the		1
presentation(poster and	l One	dissertation/thesis Certificates to		
oral presentation in Natio	onal /	be attached		
International confe	erence			
/seminar and work	kshops			
attended/field work				
Participation in Departn	nental	As per dept schedule		2
research activities/teaching	ng	(mandatory to participate)		
As per log book record				
Optional Credits:				
Research Funding	Certific	cates to be attached:		3
For Advanced Learners:	a) Awa	ard sanction letter		
Awarded by b) Evic		lence of fund received &		
National/International utiliza		tion certificate		
bodies ( Govt/Non - c) Stat		ement of expenditure		
Govt Sources)	d) Rep	ort		
TOTAL			500	27

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

#### 15.3 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 1<sup>st</sup> 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.

#### Note:-

- 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.
- ii. 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.
- iii. Marks for **Paper-III** will be awarded by the respective Assessor/s appointed by the Dean Research and recorded in the log book duly signed by Guide/HOD.
- iv. Marks for **Paper-IV** will be awarded by the concerned Speciality Assessor/s as indicated under the heading of **Elective Paper** and recorded in the log book duly signed by Guide/HOD.
- v. All Results are to be sent through **RAC Coordinator** to the University.

# **15.4 Standard point scale for grading:**

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	<b>Grade Points</b>
0	95 - 100	10
Α	90 - 94.99	9
В	80 - 89.99	8

С	70 - 79.99	7
D	60 - 69.99	6
E	55 - 59.99	5
F	Less than 55	Fail

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.

### **15.5 Course work completion:**

- 1. 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.
- 2. The Course Work Examinations shall be conducted during the month of October every year.

# **16. COURSE COMPLETION**

- 16.1 A Ph.D. scholar has to obtain minimum of 20 credits and maximum of 27 credits to have the Ph.D. degree awarded by Santosh deemed to be University.
- 16.2 **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 per **ANNEXURE 1**

### 17. RESEARCH ADVISORY COMMITTEE & ITS FUNCTIONS:

The Vice Chancellor will constitute this Research Advisory Committee that includes at least one member from the concerned department from which the Ph.D. Research has been registered. The Research Advisory Committee will meet frequently under the Chairmanship of Vice Chancellor for monitoring the progress of the Course work and Thesis. Relaxations, if any, are required in these guidelines then the same may be considered case to case basis on merit by the Research Advisory Committee. This RAC Committee shall have the following responsibilities:

- i. To review the research proposal and finalize the topic of research;
- ii. To guide the research scholar to develop the study design and methodology of research and identify the course(s) that he/she may have to do.

iii. To periodically review and assist in the progress of the research work of the research scholar.

#### 17.1 Assessment of the Research Work carried out by the Scholar:

**Six monthly reports:** Every scholar will be required to submit Six-Monthly report in the prescribed format as per **ANNEXURE-2** to the RAC through Dean Research with due approval of Departmental Research Committee, however, all scholars shall retain one copy of all their Six Monthly reports that are being submitted to the RAC. Failure to submit Six-Monthly reports for 2 consecutive RACs will lead to cancellation of Registration of Ph.D.

**Log Book:** Every Ph.D. Scholar shall maintain a log book of all research activities undertaken during the period of study. The RAC will determine the mechanism for submission and review of scholars.

The RAC in its meeting shall consider in detail and assess the progress of the research scholars through their Six monthly reports. If the progress of the research scholar is found unsatisfactory by the RAC, it shall record the reasons and provide right directions and corrective measures to the scholars. The scholars, if not able to correct within a time frame of 3 months / time period before the conduct of the next RAC meeting, recommendations for Cancellation of Registration shall be given to the University by the RAC.

#### **18. SUBMISSION OF THESIS PROTOCOL**

- 18.1 The candidate shall prepare a detailed protocol underlining his proposed Research plan clearly (in the prescribed format as per **Annexure-3** stating Objectives and Methodology to be applied. The protocol should also contain a brief formulation of the experimental design.
- 18.2 Protocol shall be submitted to the RAC within a period of 6 months from the date of Registration through Departmental Research Committee and Dean Research. The RAC on careful observation, shall recommend the candidate about the feasibility of the proposed Research Plan or provide corrective measures to the candidate to resubmit for the next RAC meeting.
- 18.3 The RAC after granting approval shall send the proposal to the Ethics Committee for granting Ethical Clearance for the conduct of Research.
- 18.4 The registration of Ph.D. of those candidates who do not submit the **thesis protocol within one year** shall stand cancelled.

# 19. CHANGE OF RESEARCH PROJECTS / SUPERVISOR (S)

Chance of Research Projects / Supervisor / Co-Supervisor may be permitted to a candidate provided it is recommended by the Departmental Doctoral Committee. Such changes shall be allowed preferably within the first six months of registration but under no circumstance later than one year after the date of registration.

In case the Ph.D. Supervisor superannuated / resigned / refused / any other unforeseen situation, the scholars shall be allotted with the new Research Supervisor from the same department with approval of the University. However in such cases, the topic of Research work / Thesis work remains unchanged and the candidates will be required to continue with the same topic.

# **20. SUBMISSION OF SYNOPSIS / SUMMARY**

- 20.1 Submission of Synopsis is mandatory before three months of expiry of the period of Research / before submission of the thesis, whichever is later.
- 20.2 Prior to submission of Thesis all Ph.D. scholars are required to submit 2 copies of Synopsis [25 30 pages] to the Dean Research through Departmental Research Committee, in the prescribed format [Annexure 4] along with the prescribed fee.
- 20.3 The Dean Research forwards the same to the RAC Coordinator, who shall make necessary arrangements for Synopsis presentation during the next RAC meeting.
- 20.4 All Ph.D. scholars must publish at least one (2) research paper and two paper presentations as indicated under the Other Mandatory Credits in the Course Work Clause.
- 20.5 Evidence of the above shall be produced at the time of presentation of Synopsis to the RAC.
- 20.6 The RAC on due considerations of all the above shall grant final approval for the submission of Thesis. A copy of the final grant by the RAC shall be submitted to the Academic Section of the University for Further Processes.
- 20.7 The RAC on due consideration has the power to suggest corrective measures from the Synopsis to be carried out in the final Thesis.

# **21. SUBMISSION OF THESIS**

- 21.1 Each candidate for the award of degree of Doctor of Philosophy shall submit five copies of his/her thesis in the prescribed format as per **Annexure 5** along with the C.D. not earlier than prescribed minimum period of three years and not later than the maximum period of Six Years. The thesis shall be certified by both the Guide and by the Co-Guide(s) and submitted through proper channel to the Academic Section of the University.
- 21.2 The Supervisor shall submit a panel of examiners at least six months before the expected date of submission of the thesis. The panel shall include four examiners who, on the basis of their published work are acknowledged leaders in the field of study undertaken by the candidate and this should be indicated in the protocol.
- 21.3 A Board of four examiners i.e. two external examiners and two internal examiners shall be appointed by the University for assessment of the thesis. Two internal examiners shall be the Chief Supervisor and Co-supervisor of the candidate, who shall act as co-ordinators and internal examiner. The other two will be external examiners from the panel of examiners as per (e) above.
- 21.4 After the thesis has been approved by the external and internal examiner, a public defence of the thesis will be held, as well as the viva voce examination to adjudge the general proficiency, subject knowledge on the Research work carried out and the subject(s) allied to the candidate's field of work.
- 21.5 If the thesis is rejected by more than one examiner, it will stand rejected and shall not be referred to any other examiner.
- 21.6 In the event that the thesis is rejected by only one examiner, it will be referred to another examiner from among the approved panel. In case the thesis is approved by this examiner, it will be considered as unanimously approved.
- 21.7 If one or more examiner recommends re-submission of the thesis after modifications it shall be done within a maximum period of six months from the date on which the candidate is so informed by the University.
- 21.8 The candidate shall be entitled to appear at the defence of thesis / viva voce examination only if the thesis is unanimously approved by the Board of Examiners for the thesis.

- 21.9 If the reports from all the external examiners are not received within two months, a copy of the thesis shall be sent to another examiner from amongst the approved panel.
- 21.10 The external examiners, from India who assessed the thesis of the candidate will act as the external examiners at the viva voce examination.
- 21.11 In the event of non-availability of one of the external examiners who examined the thesis, another examiner from amongst the panel be called for the viva voce examination at the discretion of the University.
- 21.12 There shall be a public defence of the thesis by the candidate. The topic, date and time of the defence of thesis shall be announced by the University well in advance so that the Faculty members and others interested in the topic of the thesis can be present. Those attending the public defence, who are not members of the Board of Examiners, can also participate by asking relevant questions. The Board of Examiners shall take into consideration the views and criticism if any, of the Faculty members and others participating in the public defence of thesis. However, the result of the examinations shall be decided solely by the members of the Board of Examiners.
- 21.13 The Institutions shall develop appropriate methods so as to complete the entire process of evaluation of Ph.D. thesis within a period of six months from the date of submission of the dissertation/thesis.

#### 22. EXTENSION OF TIME TO SUBMIT PH.D. THESIS

- 22.1 The thesis shall ordinarily be submitted not later than 6 years from the date of registration. Such cases where the Ph.D Scholar is unable to submit the thesis within a period of 6 years and requires extension of time, these cases first be considered by RAC on the recommendations of the Departmental Committee/ Supervisor. The Recommendations of the RAC may be placed before the Board of Management for their consideration.
- 22.2 If the scholar fails to submit thesis, even after extension of time so granted, the registration gets automatically lapsed and his / her name shall be taken off from the rolls of Registered Candidates.

#### 23. RESULT

23.1 The candidate shall be declared eligible for the award of the Degree of Doctor of Philosophy only on the unanimous recommendations of the members of the Board of Examiners at the viva voce examination.

23.2 In case the examiners are not satisfied with the performance of the candidate in the above examination, the candidate shall be required to reappear for another viva voce examination after a period of two months provided such specific recommendations are carried out and resubmitted as made by the Board of Examiners.

#### 24. AWARD OF THE PH.D. DEGREE:

The Ph.D Degree awarded by the Santosh Deemed to be University shall have a mention of "Under the Faculty of Medicine" in the provisional Pass Certificate / Degree.

#### 25. DEPOSITORY WITH INFLIBNET

- 25.1 Following the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree, the Institution concerned shall submit an electronic copy of the M.Phil. dissertation /Ph.D. thesis to the INFLIBNET, for hosting the same so as to make it accessible to all Institutions/Colleges
- 25.2 Prior to the actual award of the degree, the degree-awarding Institution shall issue a provisional Certificate to the effect that the Degree has been awarded in accordance with the provisions of these UGC Regulations, 2016.



# 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, I	NCR Delhi, vide Notification	Photograph
No dated	·	
	[REGISTRAR]	
Dated :		
Checked By :		

Verified By :\_\_\_\_\_



#### **STATEMENT OF MARKS**

SI.	Paper	Subject	Max.	Marks	Credits
No			Marks	Obtained	
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	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]



# SIX MONTHLY PROGRESS REPORT FOR PH.D.

1.						
	Name of the Candidate					
2.	Department					
3.	Name of the Research Supervisor	r				
4.	Name of the Co-Supervisor					
5.	Title of Research					
6.	Ph.D. Registration No.			<del></del>		
7.	Date of Registration					
8.	Six Monthly Report		From:	To:		
Precise	Report of Research Work done dur	ing the said perio	od:			
	Signature of the Scholar	Signature	of the Supervisor	Signature of Mem	nbers of the	
	Signature of the Scholar with date		e of the Supervisor with date	Signature of Mem Departmental C	nbers of the committee	
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#### Thesis Protocol for Ph.D Course

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# SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, NCR DELHI

In the partial fulfillment of requirement for the Degree of

	DOCTOR OF PHILOSPHY	
(		)
	Ву	
	Name of the Student	

Guide

Dr	
Designation:	
Department of	
Santosh Medical/Dental College & Hospit	al
Santosh University, Ghaziabad, NCR De	lhi
Year:	



## SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, DELHI NCR

In the partial fulfilment of requirement for the Degree of

# DOCTOR OF PHILOSPHY )

	Guide						
<b>Dr</b>							
Designation:							
Department of							
Santosh Medical/Dental College & Hospital,							
Santosh	University, Ghaziabad, NCR Delhi						
Co-Guide	Co-Guide						
Name:	Name:						
Designation:	Designation:						
Department:	Department:						
Institution:	Institution:						
Phone No:	Phone No:						
Email ID:	Email ID:						



## **ENDORSEMENT BY THE DEAN OF THE INSTITUTION**

This is to certify that the Thesis synopsis entitled	
	,, 
is a bonafide research work to be conducted by Name of the Student	himself/herself
under the Guidance of Dr. Name of the Guide, Designation, Santosh	Medical/Denta
College, Ghaziabad, NCR, Delhi, India for the partial fulfilment of the	ne requiremen
degree of DOCTOR OF PHILOSOPHY IN	

DEAN
Santosh Medical College & Hospital
Ghaziabad, NCR

/
DEAN
Santosh Dental College & Hospital
Ghaziabad, NCR Delhi



### **ENDORSEMENT BY THE HEAD OF THE DEPARTMENT**

This "	is	to	certify	that	the	Thesis	synopsis	entitled
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s a bona	afide re	search	work to be	carried o	ut under	the guidanc	e and supervi	sion of Dr.
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Dr. <u>Nam</u> Designa		e HOD.	,					
Departn	nent of							
Santosh Ghaziab			tal College hi	& Hospi	ital			



#### **ENDORSEMENT BY THE GUIDE**

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submitted	by	Name of	the Stude	<mark>ent</mark> for	the partial ful	filment of	the requirement t	for the
award	of	the	degree	of	DOCTOR	OF	PHILOSOPHY	IN
			,	is a b	onafide resea	rch work	to be carried out	under

Dr. Name of the Guide.,

Designation:

Department of

Santosh Medical/Dental College & Hospital
Ghaziabad, NCR, Delhi



## PROFORMA FOR REGISTRATION OF THESIS FOR PhD SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, NCR DELHI

## SANTOSH MEDICAL COLLEGE AND HOSPITAL / SANTOSH DENTAL COLLEGE AND HOSPITAL

NAME OF THE CANDIDATE	:	
NAME OF THE DEPARTMENT	:	DEPARTMENT, SANTOSH MEDICAL/DENTAL COLLEGE & HOSPITAL, SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD NCR DELHI.
PHD THESIS TITLE	:	
GUIDE	:	DR
CO-GUIDE	:	
CO-GUIDE	:	

(Dept. of	)

Vo.	Date:	
ient's Name:		Age/Sex:-
ther's/Husband Name:-		
ve been explained in my vernacular la in the commo	inguage about the on interest titled ε	as
	and	······································
<ol> <li>I understand the purpose of the strom the study at any point or research and can decline to answ privacy in any form without losi</li> <li>I understand that my participation and primarily meant for research</li> <li>I do hereby give my consent for purpose of this study. I understate withdraw from the study, my bloom (s) will be destroyed. I also understand the study in the study in the study.</li> </ol>	of time during to ver any particular ng the right to be on in this study of and benefit of the or my blood sand that on complete the control of the control	the investigation and question if it offends treated. will be kept confidential ne society. nples to be used for the letion of the study or if I
<ul><li>any of the tests or measurement will be kept confidential.</li><li>4. I do hereby give my consent volume part in the study titled as above for any publication.</li></ul>	t taken, I will be oluntarily withou	informed and the report tany inducement to take
ignature/ Thumb Impression of pat ame & Address of the patient Witness name & signature	ient	Signature of investigator

Contact for further information If you have any other queries about the study, please revert and contact:

Student Name:	
Department of _	

Santosh Medical/Dental College & Hospital, Ghaziabad, Uttar Pradesh

Contact number:

## संतोष विश्वविधालय (जैवरसायनविभाग) मरीज़ सहमति प्रव

कृट सट:	दिनांक :	
मरीज़ का नाम :	उम्र / लिंग :	
मरीज़ के पिता / पती का नाम :		

परियोजना शीर्षक "ऑक्सीडेटिव स्ट्रेस एवं इन्सुलिन अवरोध का भिन्न - भिन्न चरणों के न्नी आस्टिओर्आर्थाइटिस मरीज़ा में मुल्यांकन" के संर्वभ में मुझे पुर्ण रूप से जानकारी दे दी गई है।

- 1 मैं उपरोक्त वर्णित परियोजना में योगदान करनें हेतु सहमित प्रदान करता हूँ। इस परियोजना को मुझे विस्तार पूर्वक स्पष्ट किया गया है तथा मैंने पूर्ण विवरण स्पष्ट रुप से पढ़ा है जिसे मैं प्रमाण के रुप में अपने पास रखूँगा। मैं यह भिलभांति समझता हूँ कि इसमें सहमित प्रदान करने का तार्तार्य यह है कि मैं स्वेच्छा से सूचना एवं नमूना (रक्त, मूव एवं ऊतक) प्रदान करुँगा जो कि शोधकर्ता तथा तकनिशियन द्वारा किटाणुमुक्त सूई अथवा ब्लेंड से लिया जायेगा जिससे मुझे कुछ भी छति नहीं होगी। यदि मुझे नमूना देने में किसी प्रकार की छती होती है तो मेरा उपचार निःशुल्क किया जायेगा। मैं शोधकर्ता को साक्षात्कार एवं नमूना लेने के लिए सहमित प्रदान करता हूँ।
- 2- मैं यह समझता हूँ कि मेरा सहयोग स्वैच्छिक है। मैं इस सम्पूर्ण परियोजना या इस परियोजना के किसी भी भाग में सहयोग न देने का चयन कर सकता हूँ। मैं इस परियोजना को कभी भी किसी दण्ड अथवा किसी प्रकार की हानि के बिना छोड़ सकता हूँ।
- 3 मैं समझता हूँ कि साक्षात्कार से प्राप्त विवरण का प्रयोग शोधकर्ता भविष्य में किसी भी परिस्थित में मरीज़ के नाम अथवा उसकी पहचान के साथ नहीं करेगा। मैं समझता हूँ कि मेरे द्वारा दी गयी जानकारी गोपनीय है और उस जानकारी को परियोजना के किसी भी रिपोर्ट में अथवा किसी अन्य के समक्ष मरीज़ की पहचान के रुप में नहीं प्रेसित किया जायेगा।
- 4 मैं समझता हूँ कि साक्षात्कार के आधार पर बनी रिपोर्ट कसे सुरक्षित एवं परियोजना परिक्षकों के पहुँच तक ही रखा जायेगा। मैं यह भी समझता हूँ कि परियोजना के पूर्ण होने के उपरान्त, विश्वविधालय में रखी रिपोर्टों को नष्ट कर दिया जायेगा।

मरीज के हस्ताक्षर / अंगूठे का निशान

शोधकर्ता के हस्ताक्षर

मरीज़ का नाम एवं पूर्ण पता

- 1. ग्वाह का नाम एवं हस्ताक्षर
- 2. ग्वाह का नाम एवं हस्ताक्षर

अन्य जानकारी हेतु संर्पक करें :	
काठ राहुले सक्सेना	
औव रसायन विमाग	
संतोष मेडिकल कॅालेज एवं अस्पताल , संतोष विशवविधालय	·¢
गाज़ीयाबाद, उत्तर प्रदेश मोबाइल नं0 9958255816 Mobile No ; ईमेल: rahulapril@gmail.com E mail 10 ;	
	•

## **Patient information sheet**

Study title:
Name of investigator : Name of the Student .
You are being invited to take part in the above mentioned research study. However, before you
decide whether or not to take part; it is important for you that may understand what study is to be
carried out and what you will be asked to do for the same. It is important that you read the
following information carefully in order to make an informed decision to serve for common
cause of the society and if you have any questions about any aspects of the study that are not
clear to you and then please do not hesitate to ask me. Please make sure that you are satisfied
before you decide to take part as a research subject. Thank you for your time and patience for
Societal Common Purpose.
Purpose of the study:
Study procedure:
Side effects:
Advantage of participation:

Withdrawal from Study: You will have the right to withdraw from the study at any point of time without any prejudice.

Confidentiality of study and medical records: It is assured that your personal and medical information will be kept confidential and will not be used for any other purpose except this study.

**Medico Legal Implications:** It is made clear that this gathered data is primarily meant for Research Purposes and shall not be used for medical legal purposes.

### **Contact for further information**

If you have any other queries about the study, please revert and contact:

## Name of the Student.

Department of ,

Santosh Medical/Dental College & Hospital,

Santosh Deemed to be University,

Ghaziabad, NCR Delhi.

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TO

THE REGISTRAR SANTOSH DEEMED TO BE UNIVERSITY GHAZIABAD, NCR DELHI

[THROUGH DEAN]

SUBJECT: SUBMISSION OF THESIS SYNOPSIS/SUMMARY.
RESPECTED SIR,
I Batch
have registered for PhD in September
I hereby submit the Thesis Summary [1 Copy] entitled"
as the same has been cleared by Departmental Research Committee [DRC] Convener of Ph.D RAC, Statistician and DEAN for approval.
Signature of the candidate
Comments/Recommendations and signatures of the DRC, Convener of Ph.D RAC, Statistician and DEAN:
Guide (Convener of Departmental Research Committee [Name & Signature]
Co-guide(s) [Names & Signature]
Signature of HOD [Name]
Signature of Statistician
Signature of convener of Ph.D RAC

SIGNATURE OF DEAN

### **FORMAT FOR SUBMISSION OF FINAL PHD THESIS**

#### PAGE NO. 4 TO 10 SHOULD BE ACCORDING TO THE FORMATS ENCLOSED

- Table of contents MENTION THE PAGE NUMBERS OF CONTENTS
- Abbreviations in alphabetical order
- Page number for thesis should be given from introduction onwards till Bibliography
  - Introduction
  - Review of literature
  - Material and Methods
  - Results
  - Discussions
  - Summary and Conclusions
  - Bibliography

After bibliography – appendix should be included. Example

- Appendix -1: Informed consent
- Appendix 2 : Data sheets from where results were calculated as it helps examiners to cross check the results in case of any doubts
- Appendix 3 : list of publications

#### General instructions:

#### 1. FONT SIZE OF THE LETTERS

- The Thesis should be written in English. It must be typewritten on A4 size paper (21 cm x 29.7 cm) in a clear and legible font (e.g., Times New Roman 12). As far as possible, use the same font for the entire thesis but, if necessary, different fonts may be used within Tables. Figures. and Appendices.
- The Thesis has to be printed single-sided. Double-spacing should be used in the Abstract and in the text of the Thesis.
- Single spacing should be used in long Tables, block quotations separated from the text, footnotes, and bibliographical entries. Paragraphs should be indented, or an empty Line left between paragraphs.
- Larger size type may be used for the title of the Thesis and for Chapter headings, as long as it is not larger than 18 point.
- Thesis should be free from grammatical errors. It is advised to use either British spellings through out the text of the thesis.
- Page numbers should be put on right hand top corner of the page

• Larger size type may be used for the title of the Thesis and for Chapter headings, as long as it is not larger than 18 point. Boldface type may also be used on the title page and for headings, as well as ill the text for special symbols or for emphasis. Reduced type may be used within Tables, Figures, and Appendices, but it should be at least 9 point in size (partly because of microfilming requirements) and must be completely legible.

#### 2.MARGINS

A margin of at least Left: 1.5 inches, Right: 1.0 inches of each page and a margin of at least Top: 1.25 inches, Bottom: 1.25 inches of each page. The last letter or character in the longest line on the page determines the margin.

## 3. CAPTIONS AND NUMBERING (TABLES AND FIGURES)

Each Table should carry a number and a title clearly describing the data presented. Similarly each Figure I illustration should carry a number and caption that clearly describes the nature of data presented. The caption should be at the bottom of the Figure. Number them consecutively throughout, in the order in which they are placed in the text. The Figures, Graphs, Tables should be embedded in the text of the thesis, immediately after the first mention of it in the text, on the same page if there is room, or on the following page.

Captions and titles of Figures and Tables should appear on the same page as the material itself. Tables should be numbered consecutively with Arabic numerals throughout the thesis. Figures and Illustrations should also be numbered consecutively in the order of presentation. All Tables and Figures must be referred to in the text by numbers and not by a phrase such as "the following table".

Tables or Figures of peripheral importance to the text may be placed in an Appendix.

**LIST OF REFERENCES**: All publications cited in the thesis should be presented in a list of references following the text.

The student is responsible for the accuracy of the References. References should follow the Vancouver format, Citation of References in the text should be given by superscript. When two or more citations are given, list them in chronological order. If there are two or more papers by the same authors) in the same year, identify them by "a", "b", (and be sure to include the identifying letters in the Reference List). All References cited in the text (including those included in figure legends and tables) should be listed in References.

Arrange citations in alphabetical order by the first author's last name: do not number the citations. List all the authors (do not use "et al." in the reference list). When there are two or more references to the same author(s). list them in chronological order.

For journal references, the names of authors (last name and initials) should be followed by the date (in parentheses), title of the article, journal name (in italics-use PubMed abbreviations), volume number (followed by a colon) and pages (first - last page numbers). Reference to electronic material should include author name(s), date, article title. and journal (as above): where volume and/or page numbers are not available. substitute Digital Object Identifier (DOI) number.

Illustrative **EXAMPLES** of entries in a Bibliography or list of References are given below:

#### Journal

#### **EXAMPLE:**

Wild S, Roglic G, Green A, Sicree R, King H. Global prevalence of diabetes: estimates for the year 2000 and projections for 2030. Diabetes Care 2004;27(5):1047–53.

#### Chapter in a Book

Wenzel HJ. Schwarzkroin PA (2006) Morphologic approaches to the characterization of epilepsy models. In: Pitkanen A, Schwanzkroin PA. Moshe SL (eds) Models of seizures and epilepsy, Elsevier Academic Press, Sun Diego, pp, 629•652.

#### Book

#### **EXAMPLE:**

Pechenik JA (1987) A short guide to writing about biology. Harper Collins Publishers, New York.

#### Book in a series

Bhattacharjee M (1998) Notes olinjin'''~ permutation groups. Lecture notes in mathematics 00.1698. Springer. New York.

#### **Encyclopaedia articles**

Varley DH. Immelman RFM (1972) Libraries. Standard Encyclopaedia of Southern Africa. voL6, p.618-619

#### Thesis/dissertation

Smithers RHN (1997) The mammals of Botswana. DSc thesis. University of Pretoria.

Conference proceedings Bourassa S (1999) 'Effects of child care on young children', Proceedings of the third annual meeting of the International Society for Child Psychology, International Society for Child Psychology, Atlanta. Georgia. pp. 44-6.

#### Citations from internet

The following elements in sequence must be considered: Author (if known), Date of publication/last updated, Title of article or document on website Type of medium [Online], Available from (website), Access date in brackets

Harris P (2005) Reaching the top of the mountain. [Online]. Oxford University Press: Oxford.

Available: http://www.netLibrary.com/ openbook 1093456/html

[Accessed 8 January 2008]

Useful tips for referencing. [Online]. Available: http://www.referencetips.org.za[Accessed 5 November 2008].

Lawrence JJ (2005) Cholera epidemics in central Africa. The Times, 26 June 2005. [Online]. Available: <a href="http:://thetimes.com">http:://thetimes.com</a> [Accessed 27 June 2005].

#### **Patents**

Author(s) of patent - surname and initials Year of issue, Title of patent- italicised, Number of patent including Country of issue

Cookson AH (1985) Particle trap for compressed gas insulated transmission systems, US Patent 4554399.	
[THESIS TOPIC]	
THESIS FOR THE Ph.D DEGREE  DOCTOR OF PHILOSPHY IN THE SPECIALITY OF	
CANDIDATE	
BATCH	
GUIDE	



DEPARTMENT OF SANTOSH UNIVERSITY, GZB-DELHI-NCR (INDIA)

TITLE

"

## STUDENT NAME & COURSE



## THESIS FOR THE Ph.D DEGREE DOCTOR OF PHILOSPHY

IN THE SPECIALITY OF \_\_\_\_\_

[BATCH]



## **DECLARATION BY THE CANDIDATE**

I, <u>Name of the Student</u> certify that I had person the thesis.	nally carried out the work depicted in
"THESIS TIT	TLE".
No part of thesis has been submitted for the awa	ard of any other degree or diploma
prior to this date.	
	- CPI D G
	Name & Signature of Ph.D Student
Date:	



## **CERTIFICATE BY THE GUIDE**

	"THESIS TITLE".
is a bonafide genuine research wo	rk carried out by Name of the Student, for the
degree of Ph.D IN THE SPECIA	LITY OF
	NAME OF THE GUIDE
	NAME OF THE GUIDE  (HEAD OF THE DEPARTMENT)



## **CERTIFICATE BY THE CO-GUIDE**

This is to certify that the thesis	
"" <u>T</u> ]	HESIS TITLE".
is a bonafide genuine research work carry	ied out by Name of the Student, for the
degree of Ph.D IN THE SPECIALITY	OF
	NAME OF THE CO-GUIDE
Date:	

Place: SANTOSH DEEMD TO BE UNIVERSITY



## **CERTIFICATE BY THE DEAN**

This is to certify that the thesis			
" <u>THESIS TITLE</u> ".			
is a bonafide genuine research work c	carried out by Name of the Student, for the		
degree of Ph.D IN THE SPECIALIT	ТҮ ОҒ		
	DEAN & PROF. DR		
Date:			

Place: SANTOSH DEEMED TO BE UNIVERSITY



## ANTI-PLAGIARISM DECLARATION/UNDERTAKING

\*\*\*

nereby declare that the present thesis entitled
submitted by me to Santosh University is a bonafied/original research work. I
also hereby declare that there is no plagiarism and the present research work
has not been submitted for the award of any degree/diploma of the same
Institution where the work was carried out or to any other Institution.
Name & Signature of Ph.D Student
I have verified the contents of the Thesis and it is free from plagiarism.
Name & Signature of Guide

Date:

8) TO CONSIDER THE GUIDELINES, ROLES AND RESPONSIBILITES OF STUDENTS WING OF UNESCO CHAIR IN BIO-ETHICS, SANTOSH DEEMED TO BE UNIVERSITY, GHAZIABAD, NCR DELHI

The Members of the Academic Council considered the **recommendations / minutes** of the Board of Studies to consider **the Guidelines, Roles and Responsibilities of Students Wing of UNESCO CHAIR in BIO-ETHICS, Santosh Deemed to be University, Ghaziabad, NCR Delhi and deferred** the same for some clarifications from the Research Department.

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

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