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**Memorandum of Understanding**

**Between**

**Department of Clinical Nutrition and Dietetics**

**Dhiraj Hospital**

**SBKS Medical Institute and Research Center (SBKSMIRC)**

**And**

**Department of Foods and Nutrition**

**Faculty of Family and Community Sciences (FFCS)**

**Attested CTC**

*Sharaney*  
30/11/2023

Dept. of Foods & Nutrition  
Faculty of Family and Community Sciences  
The M. S. University of Health Sciences  
Vadodara - 390 002



**Vice-Chancellor**

**Sumandeep Vidyapeeth**

**An Institution Deemed to be University**

**Vill. Piparia, Taluka: Waghodia.**

**Dist. Vadodara-391 760. (Gujarat)**

## Memorandum of Understanding

The Memorandum of Understanding (MoU) is signed on 22/01/2021

Between

Department of Clinical Nutrition and Dietetics

Dhiraj Hospital

SBKS Medical Institute and Research Center (SBKSMIRC)

And

Department of Foods and Nutrition

Faculty of Family and Community Sciences (FFCS)

This MoU is for establishing the Academic and Research Collaboration between

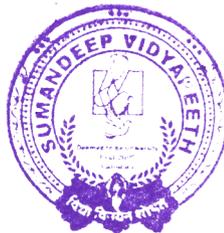
Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences

### Preamble

#### About Dhiraj Hospital, SBKSMIRC

Dhiraj hospital, constitute of SBKSMIRC was established in year 2002 and at present has developed into 1065 bedded tertiary care teaching hospital with state of art facilities. It is the biggest private hospital in Vadodara with multi super speciality and speciality teaching hospital cum referral centre The hospital is being ranked as a leading provider of emergency medical services for past 17 years. The current location facility structure of its divisions and its future expansion plans shows that the hospital has historically and currently a strong presence in the Gujarat health care sector market.

It has numerous research thematic areas such as Clinical Nutrition, Gut health, Oral Diseases, Non Communicable diseases, Infant and young child feeding, Neurological Disorders, Immunological Disorders, Anemia, Tuberculosis, , Maternal & Child Health, General Rehabilitation, food and drug interaction etc.



Science and Quality Control professionals who can contribute meaningfully to the social, economic and health development of the country.

The mission is to update and enrich our curriculum, conduct research in ongoing and emerging areas of nutrition and partner with various stakeholders to improve nutrition outcomes of the Indian population through evidence based advocacy and operations research on national program implementation.

We conduct joint training programs for field functionaries/caregivers and their supervisors along with training programs for clinical nutrition care in different settings namely, hospitals, workplaces/school settings, caterers/food service handlers and geriatric clinics. Conduct training programmes for promoting hygienic food-service, food safety in food service organizations, entrepreneurship skills nutrition sensitive agriculture/horticulture and food processing.

System strengthening & advocacy is carried out to support government programming for achieving Global/National/State WHO Nutrition & Sustainable Development Goals targets by 2025-2030 to improve nutrition outcomes in maternal, infant and young children, adolescents/school children. Evidence based advocacy for newer programs, reaching the unreached, essential interventions and strategies for inclusive programming, innovations in improving nutrition programming and its governance. Supporting Food Safety and Standard Authority Of India (FSSAI) for food safety and quality control, Food labeling and addressing the gaps in FSSAI guidelines.

Partnership building & convergence is the strength of the department wherein we foster Partnerships and inter sectoral collaborations with United Nations, International/ National Non-Government Organizations, government, corporates and Public Private Partnerships for delivering nutrition specific and nutrition sensitive interventions and their optimal utilization by communities.

The department fosters partnerships with medical practitioners, government /private hospitals, schools/workplaces/sports academies/ old age homes, Government and Non-Government organizations towards implementing evidence based guidelines on the prevention and



### **About Dept. of Clinical Nutrition and Dietetics, SBKSMIRC**

Dhiraj Hospital is the 1st IDA (Indian Dietetic Association) approved hospital in Gujarat for Registered Dietician's [RD] training since 2012. The department also works in close association with: Diabetic Clinic, Dept of OBG for counseling pregnant and lactating mothers, conducts food exhibitions, active participation in diabetic, cardiac and other camps conducted, celebrates special days like Diabetes day, Nutrition week, breast feeding week etc. This Department also offers a comprehensive Post Graduate Diploma programme in Clinical Nutrition.

### **State of the Art Central Research Laboratory:**

The Central Research Laboratory of SBKSMIRC has state of the art research facilities having separate areas for Basic Molecular Research, Translational Research and Cell-culture laboratory; with high end modern equipment like - RTPCR, PCR, FTIR, HPLC, UV-Visible Spectrophotometer, Brookfield Viscometer, Gel Electrophoresis and Gel documentation, High Speed Centrifuge, Biosafety Cabinet, Refrigerated Centrifuge, Stability Chamber, Photo-Stability Chamber, Deep Freezer, , Rotary Tablet Machine, Franz Diffusion Cell Apparatus, Spray Dryer, Trinocular Microscope, Rotary Tome Microscope, Student's Physiograph, Plethysmometer etc. are available. The Institution has highly qualified and experienced researchers. The hospital is enriched with patients with different types of diseases and anomalies.

### **About department of Foods and Nutrition**

Established in 1950, the department offers a comprehensive program for Bachelor's, Master's and Doctoral degrees in three thrust areas namely Dietetics, Public Health Nutrition, Food science and quality control.

The department has been the recipient of UGC-DSA (Phase II) program (2009-2014) and DSA (Phase III) program (2015-2020) and with aid from the UGC Infrastructure Development Grants strives to upgrade its classrooms, laboratories and library It also runs a *Nutrition Counseling Centre* once a week (Saturday 1-4pm) and offers medical nutrition therapy to patients with specific disease condition and conducts nutrition assessment of patients free of cost.

The vision is to create world class committed Public Health Nutrition, Dietetics and Food



management of diet related diseases.

It Foster partnerships with food industries, food service organizations, nutraceutical industry, government, agriculture/horticulture/animal husbandry for promotion of healthy diets and healthy packaged and processed foods.

Only academic department in country imparting public health nutrition training at under graduate, postgraduate and doctoral levels.

## 2. Scope of the Collaboration

- Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences will jointly submit the present research projects in the form of proposal to the Sumandeep Vidyapeeth Institutional Ethics Committee for Ethical Approval.
- The present collaboration with mutual interest, may conduct in-house trainings on various instrumentation and related activities for the faculties/Scholars involved in the projects for smooth conduct of the research at both the organization.
- Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences will jointly publish the preliminary research outcome & /or the final research outcome in peer reviewed journals:
- Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences may further jointly submit collaborative projects to various funding agencies for any mutual research interest.

## 3. General Areas of Cooperation

This MOU details the modalities and general conditions regarding collaboration between Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences for enhancing the availability of highly qualified manpower in the areas of Research, Innovation and Development without any prejudice to prevailing rules and regulations in Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences without any disregard to any mechanism evolved and approved by the competent authorities under Govt. of India in so far as such mechanism applies to Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences. The areas of cooperation can be extended through mutual consent.



Science and Quality Control professionals who can contribute meaningfully to the social, economic and health development of the country.

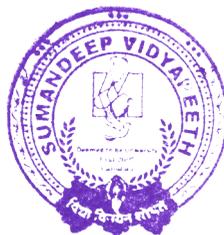
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Both Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences shall encourage interactions among Scientists, Clinicians, faculty members, Research fellows and students of both the parties through the following arrangements:

- 3.1. Organize and deploy short term certified training programs.
- 3.2. Work on mutually acceptable projects including but not limited to field activities, organizing camps for spreading awareness on cancer prevention, screening, diagnosis, rehabilitation, health mapping and relevant research resulting into societal benefit and assist policy making in healthcare of Gujarat State.
- 3.3. Both Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences shall propose research concepts/ideas to any national/international agencies for financial assistance/ development of innovative devices/products/clinical trials and exchange of personnel through deputation as per the rules of the respective institute, as mutually agreed upon;
- 3.4. Practical training of Dhiraj Hospital, SBKSMIRC at Faculty of Family and Community Sciences
- 3.5. Faculty of Family and Community Sciences may depute its personnel as visiting faculty at Dhiraj Hospital, SBKSMIRC to teach any of the specialized topics pertaining to the areas of cooperation
- 3.6. Faculty of Family and Community Sciences personnel research scholars, may also be allowed to carry out research pertaining to the areas of cooperation at Dhiraj Hospital, SBKSMIRC, as per Institutional regulations.
- 3.7. Faculty of Family and Community Sciences may seek assistance/guidance of Dhiraj Hospital, SBKSMIRC faculty member/s in product/process modification, modernization, trouble shooting, etc.
- 3.8. Faculty of Family and Community Sciences would allow the industrial visits of students to provide them with an exposure to various equipment, instrument, etc.
- 3.9. Visiting faculty/scientists/research scholars from Faculty of Family and Community Sciences may avail clinical/ pre-clinical facilities, laboratories, library, Internet, computational facilities at Dhiraj Hospital, SBKSMIRC.
- 3.10. A Researchers of faculty at Faculty of Family and Community Sciences may be appointed a Co-research guide as per the rules of the respective institute for a student



Registered for Ph.D/ PG degree at Dhiraj Hospital, SBKSMIRC. The student may be encouraged to take up the project such that both the parties desirably benefit from its outcomes.

- 3.11. The PG/UG students may carry out part of their research work or project at Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences depending on the nature of the work as per rules of the respective institute depending on facilities and requirements.
- 3.12. There will be no restriction on the contents of the thesis and on publication of results of the thesis, subject to the condition that no Intellectual Property Rights can be secured for any part of the work which will be decided with mutual consent.
- 3.13. Both Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences will — be free to independently carry out follow-up research
- 3.14. If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc by the parties under the law will be decided on case to case basis after mutual consultation.
- 3.15. Research supervisors from both the Parties will be the corresponding authors in any publication resulting from the collaborative work. All the efforts put by the student/s as a part of this MoU will be accounted for by way of reporting the work in thesis and/or paper publication except the part for which IPR needs be claimed.
- 3.16. Neither party will publish the work carried out under this MoU without knowledge of the other.
- 3.17. In any of the activities mentioned above, wherever financial aspects are involved, amount, payment conditions, etc. would be spelt out clearly before starting the activity.

#### 3.18. Faculty/Scientists/Staff Exchanges

- (i) The exchange of faculty to the mutual benefit of both parties
- (ii) Collaboration in research and development, and consultancy studies in the field of mutual interest
- (iii) The exchange of academic materials and publications



- (iv) Conducting lectures
- (v) Undertaking joint research
- (vi) Attachment of staff for purposes of curriculum development and review, attendance of courses, upgrading of teaching and research skills,
- (vii) Participating in seminars, symposiums, and other types of academic discussions
- (viii) Co-supervising scholars and students
- (ix) Conducting study tours and joint consultancy work

### 3.19 Student Exchange

- Exchange of students will be selected by mutual agreement between two parties
- An exchange student will continue to be treated as full-time student at his/her home institution.
- An exchange student will be considered as full-time "exchange" student at the host institution.
- His/her programme of study at the host institution will be determined by mutual consultation between his/her academic advisor at the home institution and his/her "interim" academic advisor identified by the host institution.
- The host institution will evaluate an exchange student's performance in each course or module, award a letter grade or marks, and issue a letter to that effect.
- The home institution may award to the exchange student credits earned at a host institution, but only after the home institution has established correspondence between courses taken at the host institution vis-a-vis those offered at the home institution.
- If an exchanged student has undertaken research, then the host institution will evaluate the student's performance, and issue a letter to that effect, together with a technical "report" of the research carried out.
- If an exchanged student has undertaken research, then the home institution will take note of the performance evaluation and the technical report, and take steps in accordance with its own procedures.
- Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences agree to provide suitable accommodation and living expenses for student exchange.
- To avail travel expenses, students can apply for existing funding programs at their respective home universities.



- The exchange students will pay tuition and other fees at their home institution.

### 3.20. Other Areas:

- to exchange information on research and educational programs,
- to exchange information on teaching, learning material and other literature relevant to their educational and research programs,
- to jointly organize short-term continuing education programs on topics of mutual interest and to invite each other's faculty to participate therein,
- to propose and engage jointly in research or training programs sponsored by funding agencies, and to invite each other's faculty to participate therein,
- to exchange, on a reciprocal basis, students at Under graduate, Graduate and Doctoral levels for limited periods of time for purpose of education and /or research,
- the provision of cultural and intellectual enrichment opportunities for staff and students of both parties,
- to use laboratory facilities in specific cases for a limited period,
- to permit students, staff and faculty members to use library facility.

### 3.21. Exchange of Research Personnel

- This MOU is intended, among other objectives, to foster increased interaction among faculty and advanced graduate students engaged in scientific and scholarly research in areas of mutual interest. In support of this effort, each party will promote the exchange of research personnel, especially young faculty and advanced graduate students, for short periods of time so that they may become familiar with the facilities, methodologies, research culture and concern area of cooperation.
- As a general principle, funding for the exchange of such personnel ("Participating Researchers") shall be based on a reciprocal sharing of costs:
- Each institution will provide funding for roundtrip transportation to and from the host institution for its own Participating Researchers.
- Each host institution will provide housing accommodations free of charge, as well as a modest living allowance in accordance with the standard per diem rates established by their governing bodies at the time of the exchange, to the Participating Researchers.



- Each institution will provide assistance, and 'or the necessary letters of invitation or affiliation to facilitate the visa applications of Participating Researchers.
- Individual participating researchers shall be responsible for ensuring adequate medical insurance coverage, applicable in the country of the host institution, for the duration of their visits.
- Specific funding allocations for this exchange of participating researchers shall be subject to the approval of the institutions.

### **Intellectual property rights**

Ownership of any intellectual property (including but not limited to confidential information, know-how, patents, copyrights, design rights, rights relating to computer software, and any other industrial or intellectual property rights) developed jointly during the course of this MOU shall be vested in both parties to this Memorandum. Both parties shall have the joint right to determine the commercial exploitation and disposition of such intellectual property, and both parties shall make joint applications for the registration of the same. Before any registration or commercialization of any intellectual property takes place, the parties agree to reach a separate agreement covering issues such as exploitation rights and revenue sharing.

Any publication regarding such intellectual property shall only be possible with the prior written consent of both parties, such consent not to be unreasonably withheld.

SVDU shall be free to use perpetually the results arising out of the collaborating activities for its own internal teaching, research, educational, clinical and publication purposes without the payment of royalties or other fees to the other party.

### **Amendments/modifications**

This MoU may be amended or modified by a written agreement signed by the representatives of both parties.

### **Adherence to laws**

Participating faculties, staff and students involved in any activities under this Memorandum must adhere to the law of the host countries and rules and regulations of the institutions.



### **Legal effect**

Nothing in this Memorandum shall be construed as creating any legal relationship between the parties. This Memorandum is a statement of intent to foster genuine and mutually beneficial collaboration.

### **Commencement and Tenure of MOU**

The present MoU shall become effective from the date of signing. This MoU will be renewed after every 5 years of tenure while it will be amended/ terminated with mutual consultations and written agreement.

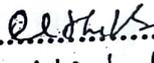
### **Dispute Resolution**

Any dispute or difference arising out of or in connection with the interpretation or implementation of this MoU or out of or in connection with the breach, or alleged breach of this MoU, each Institution shall attempt in the first instance to resolve the conflict amicably by mutual agreement between the two representatives of the organization. Conflicts that cannot be resolved amicably shall be settled by arbitration.

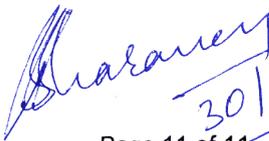
Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences welcome the establishment of this Memorandum for cooperation and jointly agree to the provisions as set out above.



This MoU is signed between Dhiraj Hospital, SBKSMIRC and Faculty of Family and Community Sciences on dated 27/01/2021 at 2:00 PM

<p>Signature.....</p> <p>Name: Dr. Paresh Golwala</p> <p>Designation: Dean, SBKSMI &amp; RC</p> <p>Signature.....</p> <p>Name: Dr. Lavlesh Kumar</p> <p>Designation: Medical Superintendent, Dhiraj Hospital</p> <p>Signature.....</p> <p>Name: Dr. Sheetal Chhaya</p> <p>Designation: Associate Professor and Head, Dept. of Clinical Nutrition and Dietetics, SBKSMI &amp; RC</p>	<p>Signature.....</p> <p>Name: Prof. Anjali Karolia</p> <p>Designation: Dean, Faculty of Family and Community sciences</p> <p>Signature.....</p> <p>Name: Prof. Meenakshi Mehan ,</p> <p>Designation: Head, Dept. of Foods and Nutrition, Faculty of Family and Community sciences</p> <p>Signature.....</p> <p>Name: Dr. Mani Sheth</p> <p>Designation: Professor Dept of foods &amp; Nutrition. Faculty of family and Comm. Scie The M.S. University of Baroda, Vadod</p>
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Attested CTC

  
30/11/2023

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