

**MEMORANDUM OF UNDERSTANDING**  
**FOR**  
**ACADEMIC AND SCIENTIFIC**  
**COOPERATION**  
**BETWEEN**



**GOVERNMENT SCIENCE COLLEGE, SONGADH**  
&



**GOVERNMENT SCIENCE COLLEGE, VANKAL**  
**TA. MANGROL, DIST. SURAT - 394430**

## Memorandum of Understanding

GOVERNMENT SCIENCE COLLEGE, SONGADH - 394670 (GSCS) and GOVERNMENT SCIENCE COLLEGE, VANKAL – 394430 (GSCV) hereby agree to sign a memorandum of Understanding (MoU) for the following objectives and described academic, research related and community welfare activities with terms/conditions attached to them.

### OBJECTIVE OF THE AGREEMENT

- 1 To establish a mutually beneficial relationship built on academic, scientific and cultural cooperation. Areas of cooperation between the institutes include the exchange of faculties, researchers and students.
- 2 The signing institutes agree to provide opportunities, as appropriate for the following activities towards completion of objective of this MoU.
  - a) Exchange of faculty members and/ or researchers with the objective of offering courses and realizing research project in areas with mutual agreement by both colleges through prior invitation.
  - b) Exchange of undergraduate students with the objectives of utilizing existing infrastructural facilities, interacting with professors and students of their relevant subject, understanding teaching – learning environment of each other.
  - c) Support reciprocity in college extension activities of common interest.
  - d) Exchange of books, scientific publications, academic projects, course information.
  - e) Conducting jointly and/or supporting seminars, conferences, and any other similar events of common interest.
  - f) Develop joint research projects and joint publications.



## STUDENT EXCHANGE

- a) Under the students exchange a group of students (5 to 6 students) of different discipline will visit the institute for an assigned period of time.
- b) The host institution will assist the students in securing personal and academic support prior to and during the period of exchange.
- c) All other expenses shall be the direct responsibility of the student concerned.

These expenses include: -

- I. Travel expenses
- II. Personal expenses
- III. Books and academic materials supplies
- IV. Administrative fees, if any

## FACULTY AND RESEARCHERS EXCHANGE

With the objective of strengthening ties through joint projects and activities of both Colleges, the MoU allows for the creation of faculty and researcher exchange. The following conditions will apply: -

- a) The professors and researchers will maintain their status as faculty members at their home institution for the duration of the exchange.
- b) All other expenses shall be the direct responsibility of the faculty or researcher concerned. These expenses include: -

- I. Travel expenses
- II. Personal expenses
- III. Books and academic supplies
- IV. Administrative fees, if any



**The terms and conditions of this Indenture between GSCS and GSCV shall be as under:**

1. Jointly organize seminars/workshops/conference/competition for academic, research, employability, awareness etc.
2. Both colleges shall be organizing programs related to Science and Technology.
3. Both the Institutional partners will have to arrange and provide all the necessary support in the form of infrastructure and other logistic support to conduct the joint or/and self-designed academic and social awareness based various programs like science fair, scientific gatherings i.e. seminars, conferences, workshops and symposia.
4. The Institutional partners **GSCS** and **GSCV** shall have to arrange materials for hardware/software/instruments/ required for imparting programs at its center.
5. Prepare and published jointly the educational materials, CDs, books, papers, research articles and journals.
6. Mutually exchange students and teaching faculty for educational/research purposes.
7. Institute shall use their own resources for effective publicity/promotion for the successful organization of joint events of common interest.
8. This agreement shall come into effect from 22/06/22 and valid up to one year.
9. Changes to this agreement shall be made by mutual consent between both institutions.
10. In cases of disagreement, the College wishing to depart from the agreement shall, wherever possible, give three months notice of its intention to do so.
11. This agreement shall also be terminated in case: is agreement period over, is criminally convicted or indulges in any criminal activity, in case the institutional partners incapable of fulfilling its role and responsibilities.
12. The agreement shall be reviewed after a period of six month and May also extended the period of this agreement on mutually agreeable terms and conditions to institutional partners on expiry of the one-year period.
13. In order to promote further scholarly exchange both institutions shall actively consider the exchange of teaching faculty and scholars. Such exchange shall be the subject of adhoc (temporary), need base, faculty consultation and as per government rules-regulation.
14. The agreement is non-transferable.



15. All notices required to be served by either or parties upon the other shall be deemed to have been duly sent and served if delivered personally.
16. Correspondence about this agreement shall be conducted between the principals of the colleges.

#### IPR


Rights regarding publications, patents, royalty, ownership of software / design / product developed etc. under the scope of this MoU, shall be decided by the two parties by mutual consent.


#### AMENDMENTS

Any amendment to the AGREEMENT shall be in writing and signed by the PARTIES here to and shall only after such execution is deemed to form part of the AGREEMENT and have the effect of modifying the AGREEMENT to the extent require by such amendment.

  
Principal  
Government Science College, Songadh  
GOVT. SCIENCE COLLEGE  
SONGADH, DIST. TAPTI

  
Principal  
Govt. Science College, Vankal  
Government Science College, Vankal  
Ta. Mangrol, Dist. Surendra

Witness: 1) 

Witness: 1) 

Witness: 2)  C. S.

Witness: 2) 

Date: 22/06/2022

Place:



## **Expert lecture on " Muscle and Nerve Physiology "**

**Date: 09/02/2023**

**Speaker:** Dr. Yagnesh Padvi (Government Science College, Songadh)

On February 9, 2023, Government Science college, Vankal organized an expert lecture on "Muscle and Nerve Physiology" delivered by Dr. Yagnesh Padvi. Dr. Padvi's presentation provided an in-depth exploration of muscle and nerve functions, essential for understanding human physiology. The lecture commenced with an explanation of muscle physiology, focusing on the molecular mechanisms of muscle contraction. Dr. Padvi described how actin and myosin filaments interact within muscle fibers and the role of calcium ions and ATP in this process. He highlighted the sliding filament model, emphasizing the biochemical processes that drive muscle contraction and relaxation. Transitioning to nerve physiology, Dr. Padvi covered the structure and function of neurons, detailing the generation and propagation of action potentials. He elucidated the roles of ion channels, the myelin sheath, and neurotransmitters in ensuring efficient nerve signal transmission. The discussion extended to synaptic mechanisms, explaining how neurotransmitters facilitate communication between neurons at synaptic junctions. Dr. Padvi used detailed diagrams and interactive models to illustrate these complex processes, which greatly enhanced the understanding of the attendees. The lecture concluded with a robust Q&A session, where Dr. Padvi addressed various queries from students and faculty, further clarifying key concepts. This lecture was a significant contribution to the college's academic program, offering valuable insights into the physiological functions that are fundamental to both muscle and nerve systems.



Principal  
Government Science College  
At. Po. Vankal,  
Tal. Mangrol. Dist. Surat

