



**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(Autonomous)**

**College with Potential for Excellence, Linguistic Minority Institution
Affiliated to University of Madras
Arumbakkam, Chennai – 600 106.**

6.1 Institutional Vision and Leadership

6.1.2 Decentralization and Participative Management

- **Inclusive Management**
- **Value Addition and Academic Enrichment**
- **DBT-Government of India - FOLDSCOPE**



6.1.2: The effective leadership is reflected in various institutional practices such as decentralization and participative management.

Affirmative: Inclusive Management

The Management and Principal of DGVC effectively practice Decentralisation and Participative Management with diligence.

- Management Committee in consultation with the Governing Body formulates Strategic Plans and Decisions and oversees implementation.
- Authority bestowed on HoDs to manage regular operations.
- Faculty Representatives of Committees partake in decision making - explicit evidence of decentralisation.
- Students' participation in Students' Council/Committees/Clubs.
- Meetings/Feedback of stakeholders reiterates the effective leadership.

Value Addition and Academic Enrichment:

To infuse value addition/skill development aimed at improving employability quotient and entrepreneurship by:

- Collaborating with International/National Bodies.
- Redesigning syllabi to incorporate innovative changes.
- Nurturing quality Research by facilitating state of the art infrastructure/technology.

Developmental Framework:

The concept of collaborative ventures for skill development/value addition was mooted in 2018 by the Principal, HoDs and Faculty.

- Launch of an Unique Programme – B. Com. Finance & Taxation in collaboration with ACCA, UK and ISDC in 2019.



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(Autonomous)
College with Potential for Excellence, Linguistic Minority Institution
Affiliated to University of Madras
Arumbakkam, Chennai – 600 106.

- Integration of **B. Com. Hons.** programme with **CMA, US**,
- **Department of Commerce (Day)** entered into an **MoU** with **E & Y GDS** to offer a specialised programme on **International Taxation & Technology**.
- **Department of Economics** signs **MoU** with **SAMAS Academy**.
- **Crash Course in GST** in collaboration with the **ICAI**.

Participative Governance and Decentralisation:

- The Principal initiated introduction of **UG Courses with Foreign Collaboration** based on representations made by the major stakeholders - **Faculty, students, parents and alumni**.
- The ideas were **conceptualised and feasibility verified** at the **Faculty level**, calibrated by **External Experts and Senior Faculty** ensuing **Approval of the Management**.
- **Specialised Syllabus** framed by **Senior Faculty** in consultation with **Experts from Industry/Professionals**, was placed before a **BoS** specifically formed for the purpose and the **Academic Council**.
- On **Approval and Affiliation** of the New Course, the Management decided to appoint a **Senior Faculty** from existing faculty as **HoD**.
- The **CMA (US)** initiative was **designated to B. Com. Hons.** based on representations of **professionals from Industries** who identified this stream at **DGVC** to be **most suited**.
- This system is a **fine precedent** of the **Top-Down and Bottom-Up Approach** to **Participative Management/Decentralisation** effectively practised at **DGVC**.

Outcome:

- **Department of Physics** was accorded **DBT Foldscope Project** - implemented for 18 months from **April 2018** by **Department of Biotechnology, GoI** in partnership with **Foldscope Instruments Inc. and Prakash Lab (Stanford)**, The **STEM** project integrated **teachers/students from Schools/Colleges** as **learners, trainers and researchers** breaking the hierarchy in the system. Students from **Department of**



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)

College with Potential for Excellence, Linguistic Minority Institution

Affiliated to University of Madras

Arumbakkam, Chennai – 600 106.

Physics trained 750 students of Chennai Corporation Schools, 25 Teachers and Researchers on use/application of Foldscope an Ultra-affordable Paper microscope.

- The ACCA, UK has accorded **partial exemption of 6 papers in B. Com. Finance & Taxation** curriculum. The first batch of students will appear for a set of **3 papers at the Intermediate level** in June 2021 or later (due to the Pandemic).
- **Integrated 4 Papers of CMA (US) into B. Com. Hons. Curriculum.**
- Invaluable opportunities for **Internship/Employment by E&Y GDS.**
- **Increased skill development and employability quotient.**

B.L.U.-



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

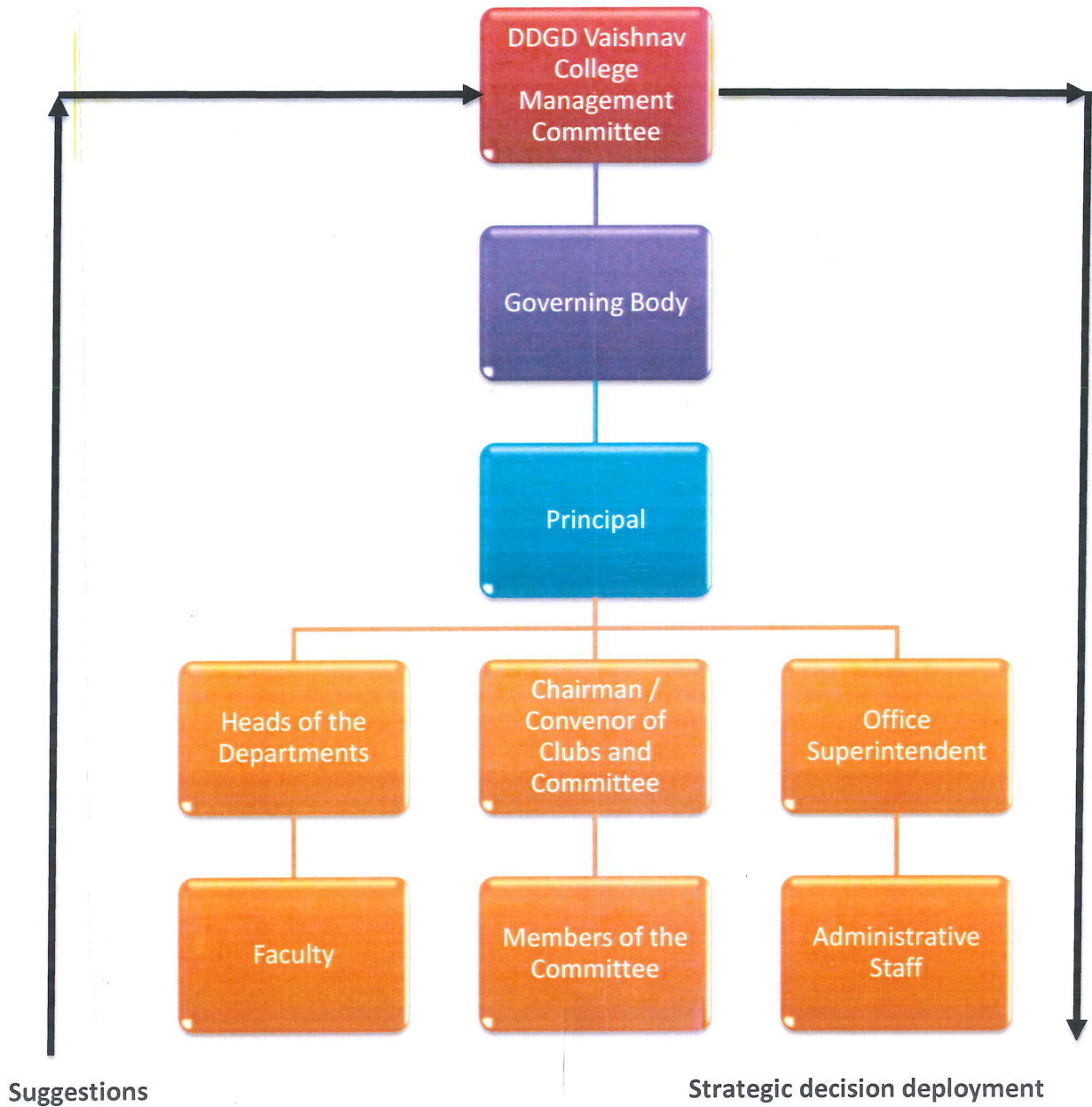
(Autonomous)

College with Potential for Excellence, Linguistic Minority Institution

Affiliated to University of Madras

Arumbakkam, Chennai – 600 106.

Case Study – 1: Inclusive Management



PRINCIPAL

Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

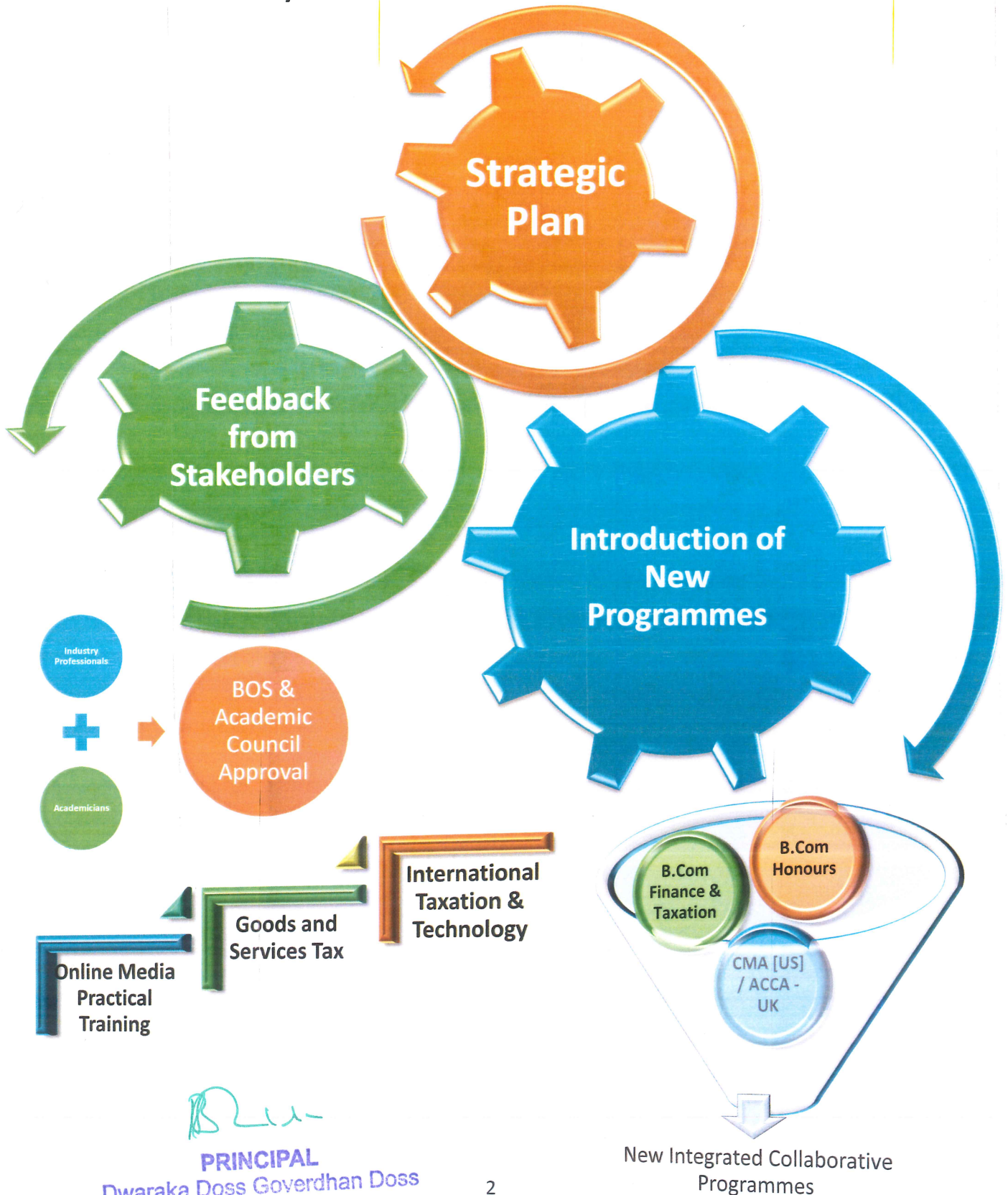
(Autonomous)

College with Potential for Excellence, Linguistic Minority Institution

Affiliated to University of Madras

Arumbakkam, Chennai – 600 106.

Case Study – 2 : Value Addition and Academic Enrichment





Case Study – 3 : DBT, Government of India – Foldscope Project [Department of Physics]

Every country needs to focus more on STEM activities, Science through outreach and collaboration. We need a system where students learn through inquiry, that brings in minds together which enjoys exploration, despite difference in age, stream they study or qualification. The **Department of Physics** has been nurturing students with this ideology, encouraging more experiential learning, outreach and inter-disciplinary learning. To encourage citizen science and hands-on activities, the Department of Biotechnology (DBT), Government of India in partnership with Foldscope Instruments Inc. and Prakash Lab (Stanford), called for proposals from teachers, scientists and community members across our country for the use of foldscope as an educational, training or research tool. Foldscope being an ultra-affordable paper microscope with good optical quality, durability and versatility, is a powerful scientific tool to expand citizen microscopy.

The Department of Physics was successful in getting this DBT Foldscope project and implemented it for eighteen months from April 2018. This project integrated teachers, students - Schools as well as Colleges as learners and trainers, researchers, breaking the hierarchy in the system. Our students/teachers who were trained already to use foldscope before this project, became trainers for teachers. This gave ample strength to the students and scope for teachers to learn more. This helped them all to look around and believe that learning can be multi-directional.

We created Foldscope assembly instruction in Tamil- as a leaflet and video, accessible to public. This encourages self-learning , life-long learning and supports learning through regional language for other foldscopes in Tamilnadu.

Our Department students along with teachers conducted more than a dozen workshops for various college and school students (around 750), mainly Chennai Corporation School Children, trained more than 25 teachers and a few researchers. While we have created future trainers (nearly 20-25 trainers) cutting across batches/ seniority/ departments in / outside the college. This entire exercise gave us an opportunity to visit many schools, be more hands-on, believe in *frugal science* and the entire system of education

As all the participants across the country collaborated through the online public forum <https://microcosmos.foldscope.com> we could share ideas, challenges and discuss our results.



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)

College with Potential for Excellence, Linguistic Minority Institution

Affiliated to University of Madras

Arumbakkam, Chennai – 600 106.

Students have started collaborating with others, use internet for learning and sharing ideas. This has built their scientific temper, communication skills, deliberation skills and learning through collaboration.

Understanding materials(wool, cotton, silk , fibres, crystals in chemistry, pollen grains), water(potable, tank, drainage, pani puri), characteristics of different specimens(different feathers, insects around us, heartbeat of lice) , hygiene (drainage flora, fresh water microbes, mosquito larvae), food (dhal, candies, Pongal celebration) health and more through micro-projects like *Unfold*, *FLORAscope*, *FoldSTARS*, *Foldscope@classrooms*, *Foldscopedia*, *Seemai Karuvelam*, *Ghar-ka-AAhar*. Through this, we could instil big confidence in many many school kids and college students who are curious, not necessarily top-scorers. This entire project once again has reinforced our belief on engaging in outreach beyond the classrooms, life-long learning and experiential learning which is the objective of SDG 4.

PRINCIPAL

**Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.**