

Criteria 2.6.1

Programme and course outcomes for all the programmes offered by the institution are stated and displayed on website and communicated to teachers and students



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(AUTONOMOUS)

College with Potential for Excellence

Linguistic Minority Institution. Affiliated to University of Madras

Internal Quality Assurance Cell (IQAC)

**MANUAL
FOR
CO – PO / PSO ATTAINMENT
AND
ASSESSMENT PROCESS**

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INSTITUTE VISION AND MISSION

Vision

To Impart value based quality academia; to empower students with wisdom and to charge them with rich Indian traditions and culture; to invoke the self, to broaden the same towards nation building, harmony and universal brotherhood

Mission

To impart knowledge, enable the students acquire skills and imbibe values, develop their personality, mould their character, evoke a sense of empathy and social concern, and thereby help them evolve into humane and responsible citizens.

POST GRADUATE AND RESEARCH DEPARTMENT OF ECONOMICS

VISION

To excel in both, the science and art of Economics education, social science research and analysis by empowering students with strong theoretical and practical knowledge.

MISSION

- To educate students with the foundation principles of core and allied disciplines of Economics.
- To provide practical and creative skills for problem solving and optimizing decisions in the ever dynamic economic world.
- To inculcate strong personal, technical, analytical, entrepreneurial and leadership skills.
- To impart knowledge in lifelong learning, professional ethics and contribution to the society.

PG DEPARTMENT OF SOCIAL WORK

VISION

To transform young minds into competent professionals with social and managerial acumen who would uphold humane and ethical values directed towards human rights and social justice

MISSION

- To create social work and managerial skills at conceptual and practical levels among the students.
- To improve the decision making abilities, managerial competence and developing the overall personality of the students.

DEPARTMENT OF HINDI – SHIFT II

VISION

Our vision is to impart value based quality academia, To empower students with wisdom and to instil rich Indian traditions and culture, to nurture self-confidence ensure holistic development and to broaden their vision towards nation building, communal harmony and universal brotherhood and to evolve into a university of International repute. We have a Hindi typing system and software. We are preparing Question and Answer notebook for helping the weak students. We are providing sufficient notes to all students. The staff of department of Hindi shift II are providing his service in other all extra curriculum which has done by college.

MISSION

- Our mission is to create transformative educational experiences for students focused on in-depth knowledge, Problem -solving abilities, Leadership skills and enterprising talents.
- Department of Hindi Shift-II is committed to the sustainable power of liberal Arts and literature along with fluent language education.
- We are creating an international collaborative environment open to the free exchange of ideas where research, creativity, innovation and entrepreneurship flourish.

DEPARTMENT OF ENGLISH LITERATURE

VISION

To impart quality English knowledge to students and facilitate a comprehensive and in-depth study of English literature.

MISSION

- To provide updated and upgraded curriculum
- To help students develop a critical perspective to comprehend and analyse literature
- To research in specialised areas of knowledge pertaining to language and literature

POST GRADUATE DEPARTMENT OF ENGLISH

VISION

To impart quality English knowledge to students and facilitate a comprehensive and in-depth study of English literature.

MISSION

- To provide updated and upgraded curriculum
- To help students develop a critical perspective to comprehend and analyse literature
- To research in specialised areas of knowledge pertaining to language and literature

DEPARTMENT OF VISUAL COMMUNICATION

VISION

To raise the department as a centre imparting creative training in Visual Media and aesthetically grooming with global industry perspectives, ensuring to be ethical and socially responsible while creating media content.

MISSION

- To ensure that the students are industry ready and are able to effectively convert the knowledge gained into practical applications.
- To kindle Visual Communication students' creativity in order to excel and establish oneself in the panoramic spectrum of the media today.

POSTGRADUATE AND RESEARCH DEPARTMENT OF BIOCHEMISTRY

VISION

To be the Centre for excellence in Biochemistry by/and producing students highly skilled in the latest tools and technologies and making them to enhance the quality of life. To become a leader in near future in biochemistry by integrating teaching & learning, learning & skills, skills & employability, learning & research and research & service.

MISSION

- To provide Better understanding of the subject with sound knowledge in theory & practical.
- To cultivate the ability to apply creativity and independent thinking resulting in bridging the gap between industry and academics to meet the industrial demands.
- To follow a multidisciplinary research strategy by harnessing all the available resources.
- To apply the biochemical knowledge in solving human life and environment related problems

DEPARTMENT OF BOTANY

VISION

“Exploration of Plants and realize their significance in the entire Ecosystem”

MISSION

- To equip the students with an overall knowledge of plant science.
- To develop human resource with expertise in skill based areas of plant sciences.
- To ignite students with requisite knowledge for lifelong learning and achieve greater heights in the field of research, entrepreneurship and teaching positions in Biological sciences.

DEPARTMENT OF MATHEMATICS WITH COMPUTER APPLICATIONS

VISION

To promote and support a comprehensive, innovative and dynamic learning environment. To assist students in acquiring a conceptual understanding of the nature and structure of mathematics, its processes and applications.

MISSION

- To establish an atmosphere of creative endeavour that supports interdisciplinary collaborations, innovative projects, significant research, and informal discussions that mutually benefit students, faculty and the community at large.
- To provide graduate students an opportunity to develop a deep understanding and enjoyment of mathematics.
- To carry out original research, to become effective teachers and communicators, and to prepare themselves for their future careers.

POSTGRADUATE AND RESEARCH DEPARTMENT OF MICROBIOLOGY

VISION

- To provide a captivating and pertinent Microbiology curriculum that will train students at a high standard of systematic literacy and divulge proper skill sets.
- To nurture professionals to categories tasks with a broad perspective and knowledge and take inventiveness in interdisciplinary education and research.

MISSION

- To become a student-oriented centre of international repute, where student from all strata of the society are given a chance to bring out their best through continuous stimulus of scholarly progression and intellectual development.
- To enhance the intellectual foundation of our students and prepare them for life in a complex, dynamic world where they would preserve, add to, evaluate, and transmit knowledge in the field of Microbiology and become responsible contributing citizens of society, who can take up leadership positions around the globe.
- To groom proficient students as scientific workforce in national and global excellence for industry and to make accessible a large pool of well-educated entities as potential pedagogue.

DEPARTMENT OF PHYSICS

VISION

To train the students to develop the scientific temper, achieve excellence in education in the field of Physics and related areas and equip them with skills, knowledge and become life- long learners.

MISSION

- To create an academic base that responds to the need of the students to understand the basics of Physics and it's ever evolving nature of applications in explaining all observed natural phenomenon as well as predicting the future applications to the new phenomenon with a global perspective.
- Apply one's knowledge and understanding relating to physics and skills to new/unfamiliar contexts and to identify and analyze problems and issues and seek solutions to real-life problems.

- To be a tool for transformation marching in the toad map of our country's vision towards Higher Education.

POSTGRADUATE DEPARTMENT OF HUMAN RESOURCE MANAGEMENT

VISION

To impart a quality and value based education and professional HR training that enables a holistic development in terms of HR competencies, conceptual knowledge and experiential learning compatible to the Institution and Industry requirement.

MISSION

- To educate and facilitate professional training of students through multiple approaches that nourish professional competency and self-development.
- Build a strong interface between HR aspirants and HR professionals through network with Industry and instilling a sense of integrity.

DEPARTMENT OF SOCIOLOGY

VISION

The vision of the department is to provide quality oriented teaching that may bring out the potentiality of the students. The faculties of the Sociology Department are united in seeking to provide a high quality educational program for our undergraduate. Sociology classes are rigorous, inclusive, inspiring, and well connected to the world outside the classroom. We seek to equip students with a sound academic foundation that helps them to question critically, think logically, communicate clearly, act resourcefully, and live ethically.

MISSION

- The Sociology Department provides a high quality, inclusive educational experience that challenges and prepares students to become engaged and effective members of their communities
- To engage in interesting and relevant scholarship; and interacts regularly with stakeholders from wider communities, producing valuable public sociology.

POSTGRADUATE DEPARTMENT OF COMMERCE

VISION

To impart value based quality academia in commerce and to empower students to align with the current business scenario.

MISSION

- Smart Learning in digital environment Conduct Skill based training to students.
- Pioneering the students to align their thoughts to reach out to the global business practices.
- Channelizing e-content and Modules for the commerce curriculum.

DEPARTMENT OF FINANCE AND TAXATION

VISION

To provide conducive ambience for learning commerce and career oriented courses, thereby imparting professional values among the students.

MISSION

- To educate the students to pursue professional qualification in accountancy and commerce.
- To focus on inculcating managerial and operational skills among the students.
- To emphasize on value education by nurturing ethical values in behavior and action.
- To continue to have integration with the largest international accounting body.
- To maintain appropriate benchmarks with respect to course curriculum.

POSTGRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

VISION

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MISSION

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- Pioneering the students to align their thoughts to reach out to the global business practices.
- Channelizing e-content and Modules for the commerce curriculum
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DEPARTMENT OF HONOURS

VISION

To be the centre for providing quality & value based education in commerce, management and related field with holistic concern for leading better life, better environment and society.

MISSION

- Empowering students with all qualities required to become a personage management professional.
- Providing holistic and value based development of students which ultimately enhance employability.
- To grooming the students to become an innovative and charismatic leader which contributes to the success of the organization as well as country at large.
- To facilitate academic progress of the students by encouraging them to actively participate in internships, conference, seminars & workshops

DEPARTMENT OF BIOTECHNOLOGY

VISION

Our vision is to produce competent Biotechnologists with profound expertise, providing sustainable competitive edge to present society with entrepreneurial skills.

MISSION

- To impart highly innovative and technical knowledge in the field of biotechnology.
- To create opportunities for multi-disciplinary education, training and research in biotechnology.
- To expand the scope of Industry -Academia interaction towards commercialization of bioproducts.

DEPARTMENT OF COMPUTER APPLICATIONS (UG)

VISION

Imparting quality education, equipping students with latest tools and technologies of computer science to face in computer industry and society

MISSION

- To provide the ambience for learning.
- To provide the team-sprit and leadership qualities.
- Strengthening the competence level in computer science through analytical learning
- Enhancing the entrepreneurship skills through Internship and Industrial Visit.

DEPARTMENT OF CORPORATE SECRETARYSHIP

VISION

To empower the students with knowledge, skills, attitude and ethics in line with the dynamic changes in the socio-economic environment; to nurture high calibre scholarly attributes fostering good governance; to encourage critical thinking through experiential learning in pursuit of the holistic development of the students.

MISSION

- To impart an in-depth knowledge and understanding of core courses in accounting for business and the relevant corporate and other laws
- To promote lateral thinking and a spirit of enquiry among students thereby encouraging a creative approach to provide solutions to complex challenges in business entities.
- To apply updated teaching learning methods and andragogy to foster experiential learning through the practical application of business knowhow.
- To harness the richness of entrepreneurship and multidisciplinary knowledge as a feeder for professional courses and start-ups.
- To nurture ethics, governance and social responsibility as the mantras of success for life-long learning

SCHOOL OF MANAGEMENT

VISION

Our Vision is to emerge as a centre of excellence in Management, imparting value-based education to develop transformational leaders with functional expertise and entrepreneurial perspectives.

MISSION

- Impart Quality Education to the students in core areas and business management with moral Values through our dedicated team.
- Create learning atmosphere that fosters individual intellectual development.
- Provide platform for the students to explore their innovative and creative skills.
- Promoting activities to cultivate the spirit of Entrepreneurship to the students
- Empowering the students in Organizing Events to gain Experience in Team work and Leadership Qualities.
- Preparing the students for their role as MBA in society with an awareness of Ethical, Environment, Economies, safety and Quality Issues.

DEPARTMENT OF BUSINESS ADMINISTRATION

VISION

To facilitate students for developing life skills and carve them out to be an ethically, socially responsible entrepreneur.

MISSION

- To provide sustained comprehensive quality management education inculcating social and ethical values.
- To spearhead new teaching practices for course delivery for management education.
- To stay abreast and constantly strive to provide students with the latest developments in the field of education and integrating with ICT.
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DEPARTMENT OF BANK MANAGEMENT

VISION

To emerge as an eminent world class department in the area of banking and finance.

MISSION

- To serve the nation by empowering students with value based education.
- To provide holistic education with high degree of skill, knowledge, competence and ethics to students.
- To promote learning through practical hands on experience.

DEPARTMENT OF CORPORATE SECRETARYSHIP

VISION

To empower the students with knowledge, skills, attitude and ethics in line with the dynamic changes in the socio-economic environment; to nurture high calibre scholarly attributes fostering good governance; to encourage critical thinking through experiential learning in pursuit of the holistic development of the students.

MISSION

- To impart an in-depth knowledge and understanding of core courses in accounting for business and the relevant corporate and other laws
- To promote lateral thinking and a spirit of enquiry among students thereby encouraging a creative approach to provide solutions to complex challenges in business entities.
- To apply updated teaching learning methods and andragogy to foster experiential learning through the practical application of business knowhow.
- To harness the richness of entrepreneurship and multidisciplinary knowledge as a feeder for professional courses and start-ups.
- To nurture ethics, governance and social responsibility as the mantras of success for life-long learning.

PG AND RESEARCH DEPARTMENT OF MATHEMATICS

VISION

To promote and support a comprehensive, innovative and dynamic learning environment. To assist students in acquiring a conceptual understanding of the nature and structure of Mathematics, its processes and applications.

MISSION

- To establish an atmosphere of creative endeavor that supports interdisciplinary collaborations, innovative projects, significant research and informal discussions that mutually benefit students, faculty and community at large.

DEPARTMENT OF PSYCHOLOGY

VISION

To foster human values through psychological discourses, create responsible citizenry, address contemporary societal concerns thereby contributing to the psychological well-being of the community at large.

MISSION

- To enable students to develop new perspectives about the disciplines thereby contributing to the world of knowledge.
- To provide a platform for students by giving them an opportunity to have healthy discussions and deliberations in the field of Psychology.
- To inculcate a sense of responsibility, authenticity, creativity and ethical values among students.
- To contribute to the academic profile of the College and the community at large.

DEPARTMENT OF STATISTICS

VISION

With fast technological advancements in area like Artificial Intelligent, the job market is looking for candidates with technical and data analytics skills. Our aim is to provide quality education to our students practically and theoretically. In the upcoming year, some of the most renowned jobs will be occupied by statisticians.

MISSION

- The mission of the department of statistics is to help students to develop their understanding skills, problem solving ability, and logical thinking.
- We seek to improve the practice of statistics through our teaching, service work, and intramural and extramural activities and events.

POSTGRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

VISION

The vision of our department is to foster to keen interest in the field of Chemistry through dedicated teaching, innovative, instructional methods and commitment to students. It is to kindle interest in the young minds towards research, motivate and mould them so as to face the challenges of their future career. The ultimate aim is to emerge as centre of excellence in chemical sciences in order to cater the needs of the industry and the society at large.

MISSION

- To educate students with state-of-the-art curriculum and advanced research facilities.
- To raise the younger generation as socially and morally responsible chemists.
- To preserve the wealth of mother earth through safe chemistry and promote green environment.

POSTGRADUATE DEPARTMENT OF JOURNALISM AND COMMUNICATION

VISION

To provide holistic education which focuses on professional and personal development. To instill the foundation of academic research. To ignite social awareness and responsibility. To spark creative expressions.

MISSION

- Educate to critically analyse social, cultural, economic and geo-political scenarios of the contemporary era.
- Develop skills to appreciate and critically analyse media text.
- Cultivate conscience to function in accordance with media laws and ethics.
- Inculcate knowledge and expertise to develop media content.

- Grooming students to function in the state of the art media environment.

DEPARTMENT OF MARKETING MANAGEMENT

VISION

Our vision is to be the destination of choice for students aspiring to be professional marketing managers. Our course would integrate best-in-class teaching pedagogy and cutting-edge industry interaction. This will culminate in a programme that students would aspire for as their first choice for marketing management.

MISSION

- To deliver hands on experience to our students through curriculum
- To train the students to take marketing as a career path.
- To steer the Students in effectuating theoretical concepts into practical and Professional execution

DEPARTMENT OF CRIMINOLOGY

VISION

To provide holistic education that focuses on professional and personal development. To enable students to be mindful, compassionate and socially responsible individuals.

MISSION

- To enable students to learn about the various aspects of Criminal Justice System, multiple sciences relating to crime, criminal behaviour, victims, crime prevention, and security management.
- To train the students to be physically adept to face the challenges of uniformed services.
- To instill the foundation of academic research among students.
- To groom students to serve in the Criminal Justice System, Corporate Security Industry, academia, etc.

DEPARTMENT OF ACCOUNTING & FINANCE

VISION

The vision of the department is to provide students with an excellent career-oriented and comprehensive academic programme in commerce by integrating education with ethical, humanistic and social learning for enabling them to contribute in a better way to our country's progress.

MISSION

- To provide strong conceptual knowledge and application of skills in the domain of Accounting and Finance.
- To sharpen the students' analytical and decision-making skills so as to enable them to comprehend the dynamic socio-economic and technological environment and its associated impact on businesses.
- To prepare the students with necessary functional and behavioural skills so as to enable them to become ethically and socially responsible finance professionals thereby contributing to nation building.

DEPARTMENT OF SANSKRIT

VISION

The Department of Sanskrit aims to be one of the best university departments of Sanskrit in India. It will be the endeavour of the Department to provide proper grounding to students in areas like literature, linguistics, philosophy, poetics, Sanskrit sastras etc. Over the next few years, the department plans to start many new initiatives, activities and programme for the benefit of the students and development of the department.

MISSION

The Department of Sanskrit aims to be one of the best departments of Sanskrit in Tamil Nadu. It will be the endeavor of the Department to provide proper grounding to students in areas like literature, linguistics, philosophy, poetics etc. Over the next few years, the department plans to start many new initiatives, activities and programme for the benefit of the students and development of the department. The Department of Sanskrit intends to classify the objectives into Academic objectives, Infrastructure Development Objectives & Other Objectives.

- To frame a curriculum that for the benefit of the students.
- Updating and revising the curriculum at regular intervals.
- To introduce diploma & certificate courses on Sanskrit Grammar & Sloka Chanting.
- The department intends to impart teaching in sanskrit medium to facilitate easy understanding among students.
- Imparting education in Sanskrit medium will be a uniqueness of the department of Sanskrit.
- To organize conferences / seminars / workshops on various topics of academic interest for the benefit of the students.

DEPARTMENT OF PHYSICAL EDUCATION

VISION

The Department's sole objects is to produce fine individuals who need to be physically wholesome, mentally stimulating, satisfying, socially sound in order to survive in this highly competitive corporate world and integrating values with in preparing the youth for Nation- building.

MISSION

To make the students flexible in mind and body in order to overcome the challenges in the competitive world and make contributions to nation building.

DEPARTMENT OF HINDI

VISION

The Department of Hindi aims to be one of the best departments of Hindi in Tamilnadu. The department of Hindi is looking forward to develop excellent proficiency in the Hindi Language. The department of Hindi envisions inspiring and preparing a generation of youth in Chennai city to use natural talent and to inculcate a sense of integrity, humanity and civic sensibility among them though awareness towards study of literature as an art form.

The department plans to start many new initiatives, activities and programs for the benefit of the students and development of the department.

MISSION

- To update and revising the curriculum at regular intervals for the benefit of the students.
- Develop language skill (listening, speaking, reading and writing).
- Develop the ability to use the Hindi language effectively for the purpose of practical communication.

POST GRADUATE DEPARTMENT OF PHYSICS

VISION

Provide in-depth understanding concepts of Physics increasing their efficiency, augmenting their knowledge. Proficiency in both theoretical and experimental Physics. To inculcate an aptitude for a research career in academia or industry. Develop academic and cultural talents to improve their capabilities to work as a team. Practical exposure to students by arranging Industrial visits and Educational tours to enhance students' knowledge in basic and Applied Physics.

MISSION

- Impart quality education in Physics and motivate the PG students to become Scientists in reputed Research Organizations.
- Develop the capacity and know-how to apply principles/laws of Physics to solve problems. The ability to do and interpret the data obtained in experiments.
- Extend research facilities to students.
- To make the students effectively disseminate their knowledge in Physics.
- Educate students to be successful, ethical, effective problem-solvers and life-long learners.
- Apply the knowledge of Physics for sustainable development of the society.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATION

VISION

Provide in-depth understanding concepts of Physics increasing their efficiency, augmenting their knowledge. Proficiency in both theoretical and experimental Physics. To inculcate an aptitude for a research career in academia or industry. Develop academic and cultural talents to improve their capabilities to work as a team. Practical exposure to students by arranging Industrial visits and Educational tours to enhance students' knowledge in basic and Applied Physics.

MISSION

- Impart quality education in Physics and motivate the PG students to become Scientists in reputed Research Organizations.
- Develop the capacity and know-how to apply principles/laws of Physics to solve problems. The ability to do and interpret the data obtained in experiments.
- Extend research facilities to students.
- To make the students effectively disseminate their knowledge in Physics.
- Educate students to be successful, ethical, effective problem-solvers and life-long learners.
- Apply the knowledge of Physics for sustainable development of the society.

STATEMENTS OF POs and PSOs:

Program Objectives (POs) and the PSOs of the departments are designed with the following key factors

CORE EXPERTISE:

Graduates will be empowered with strong fundamental concepts, analytical capability, programming and problem-solving skills.

COMPETENCE

Graduates will be employed, may pursue higher education or undertake research.

ERUDITION MILIEU

Graduates will embrace Professional Career Growth with Values & Ethics and desire for lifelong learning.

The Process for Establishing Program outcome and Program specific outcome's

The PO and PSOs are established through the following process steps:

STEP- 1: Vision and Mission of the Institute & Department are taken into consideration to interact with various stake holders, and establish the PO of the college.

STEP- 2: The Head of the Department, Department Academic Committee and other Senior Faculty prepares the draft version of PSOs.

STEP 3: The PSO drafted was drafted by the head and faculty of the department with the recommendations of Alumni, faculty, industrial experts and professional bodies.

STEP- 4: The drafted PSO was reviewed and approved by IQAC of the college

STATEMENT OF COURSE OUTCOME:

Course Outcomes (COs): Statements indicating what a student can do after the successful completion of a course. Every Course leads to some Course Outcomes. The CO statements are defined by considering the course content covered in each module of a course. 5 Cos are framed for each course. The keywords used to define COs are based on **Bloom's Taxonomy**.

STEP- 5: The Department reflects on the recommendations and freezes the PSOs and design the Program curriculum and Course Outcomes.

STEP 6: The designed curriculum was submitted to the Board of studies for approval.

STEP 7: Suggestions and recommendations from members of Board of Studies was incorporated and presented in Academic council for Ratification.

PROGRAMME OUTCOME FOR UNDERGRADUATE

At the end of the programme the student will be able :

PO1	To participate in various types of employment, development activities and public discourses particularly in response to the needs of the community one serves
PO2	To understand the need and have the competencies to support local, regional and national development
PO3	To develop critical and analytical thinking
PO4	To develop conceptual understanding , problem solving and application of skills
PO5	To provoke entrepreneurship among the students along with strong ethics and communication skills
PO6	To develop a questioning mind in diverse environments for better outcomes
PO7	To engage in lifelong learning and enduring proficient progress

PROGRAM OUTCOME FOR POST GRADUATE

At the end of the programme the student will be able :

PO1	To attain suitable scientific knowledge and technical skills to realize, calibrate and develop innovative processes / skills for creation of inventive products which are beneficial to society.
PO2	To implement discipline, professionalism, team spirit, communication skills, social and ethical commitment in the post graduates in order to embellish leadership roles expediting perfection in different sector with a categorical professional distinctiveness, business savvy, international recognition and imperishable expansion
PO3	To be habituated with the emerging expanses of erudition and their applications in several domains of biological sciences and to enlighten the students of its relevance in forthcoming studies
PO4	To enhance the insight of research-oriented knowledge in conjunction with literature survey, design of experimental methodology, analysis and interpretation of results and draw valid conclusions.
PO5	To provoke entrepreneurship among the students along with strong ethics and communication skills
PO6	To engage in Lifelong learning and enduring proficient progress

PROGRAM OUTCOME FOR RESEARCH

PO1	Sound knowledge in research methodologies to pursue interdisciplinary research.
PO2	Read and evaluate current literature in the field of research and beyond.
PO3	Present and Publish research findings in national and international conferences/ various research forums, peer reviewed journals for global impartment of knowledge.
PO4	Successful for post doctoral studies or to be employed in research organization with professional leadership.
PO5	Develop into a responsible academician, researcher and successful entrepreneur with a commitment for lifelong learning.

The POs are published and disseminated

The Program Outcomes are published and disseminated as follows

How Published	Where Published	How Disseminated
Incorporating in booklet given in orientation, syllabus book, course files and lab manuals	Orientation booklet Syllabus books	Distribution and explanation to students on orientation day Discussed during Orientation Day Discussed during student Counselling Distributed along with Syllabus books
Flexi/ Banner	Classrooms/Laboratories Office of the department Department Notice boards Entrance of the all the blocks in the college.	Self-reading by students, parents and alumni
Digital Media	Institute Website: https://www.dgvaishnavcollege.edu.in	Available for Selfreading in public domain

OUTCOME-BASED EDUCATION (OBE)

Outcome-Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery, assessment is planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels.

Outcome-based education (OBE) is an educational theory that bases each part of an educational system around goals (outcomes). By the end of the educational experience each student should have achieved the goal. There is no specified style of teaching or assessment in OBE; instead classes, opportunities, and assessments should all help students achieve the specified outcomes.

There are three educational Outcomes as defined by the National Board of Accreditation.

Program Educational Objectives (PEOs)

The Programme Educational Objectives of a program are the statements that describe the expected achievements of graduates in their career, and also in particular, what the graduates are expected to perform and achieve during the first few years after graduation

Programme Outcomes (POs)

Program outcomes are finer statements that designate what students are expected to be able to do by the time of graduation. POs are expected to be aligned closely with Graduate Attributes.

Programme Specific Outcomes (PSO)

Programme Specific Outcomes are what the students should be able to do at the time of graduation with reference to a specific discipline.

Course Outcome (CO)

Course outcomes are statements that describe significant and essential learning that learners have achieved, and can reliably demonstrate at the end of a course

MAPPING OF OUTCOMES

COURSE OUTCOMES(CO)

PROGRAM OUTCOMES (PO)

PROGRAM EDUCATION OBJECTIVES (PEOs)

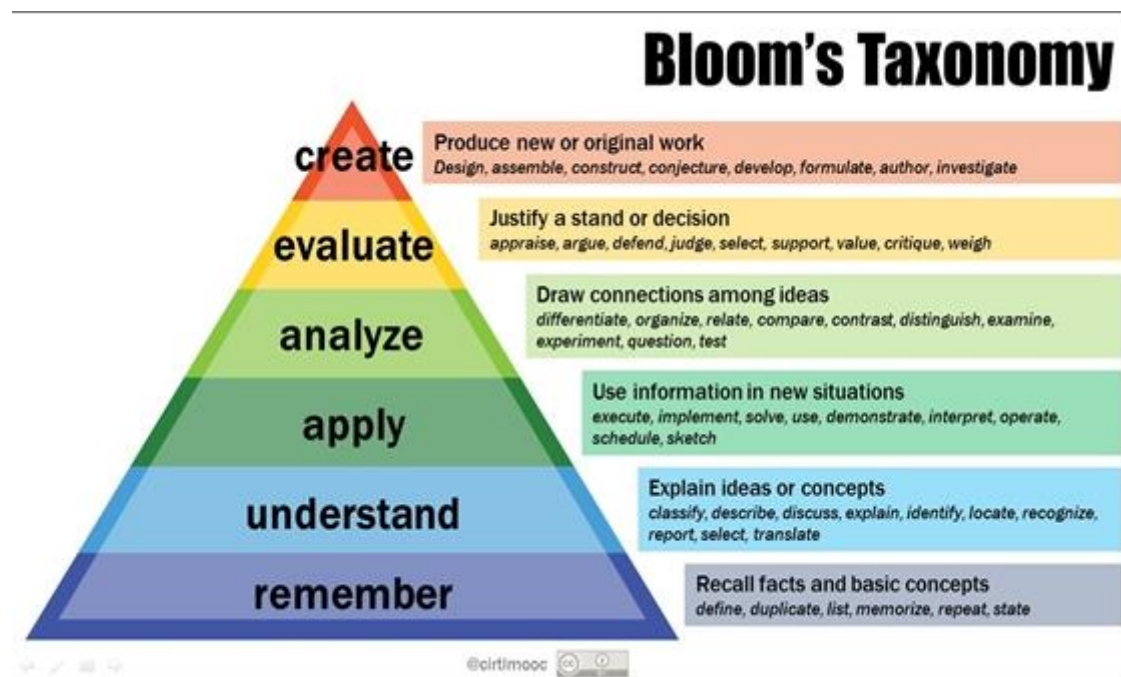
DEPARTMENTAL MISSION

DEPARTMENTAL VISION

BLOOM'S TAXONOMY

Bloom's Taxonomy was created in 1956 under the leadership of educational psychologist Dr Benjamin Bloom in order to promote higher forms of thinking in education, such as analyzing and evaluating concepts, processes, procedures, and principles, rather than just remembering facts. It is most often used when designing educational, training, and learning processes.

Bloom's taxonomy is a classification system used to define and distinguish different levels of human cognition—i.e., thinking, learning, and understanding. Educators have typically used Bloom's taxonomy to inform or guide the development of [assessments](#) (tests and other evaluations of student learning), [curriculum](#) (units, lessons, projects, and other learning activities), and instructional methods such as questioning strategies. [eduglossary.org]



Knowledge levels for assessment of Outcomes based on Blooms Taxonomy

Level	Parameter	Description
K1	Knowledge	It is the ability to remember the previously learned material/information
K2	Comprehension	It is the ability to grasp the meaning of material
K3	Application	It is the ability to use learned material in new and concrete situations
K4	Analysis	It is the ability to break down material/concept into its component parts/subsections so that its organizational structure may be understood
K5	Synthesis	It is the ability to put parts/subsections together to form a new whole material/idea/concept/information
K6	Evaluation	It is the ability to judge the value of material/concept/statement/creative material /research report) for a given purpose

CO – PO AND CO – PSO MAPPING OF COURSES

All the courses together must cover all the PSOs. For a course we map the COs to PSOs through the CO-PSO matrix and to PSOs through the CO-PSO matrix as shown below. The various correlation levels are:

“1” – Slight (Low) Correlation

“2” – Moderate (Medium) Correlation

“3” – Substantial (High) Correlation

“-” indicates there is no correlation.

Levels of Outcomes:

There are different levels of outcome such as Course Outcome (CO), Program specific Outcome (PSO), Program Outcome (PO) in relation to Graduate Attributes. Graduates Attributes (GAs) are the components indicative of the graduate’s potential to acquire competence to practice at the appropriate level. GAs forms a set of individually assessable outcomes of the program.

The proper definition and the attainment of PSOs contribute to the attainment of Program Outcomes, which will help the graduate to perform his/ her duties, professional responsibilities, design, development, production and testing of novel products, ability to deal

with finances and project management during his/her early professional career. Program Specific Outcomes are the statements that assert what the grandaunts of a specific program should do what they can able to do.

After CO statements are developed by the course in-charge, CO will map with any possible PO's based on the relationship exist between them. But the PO's are not necessarily mapped with any one CO and it may be left blank. Anyhow, it is mandatory that all POs should be mapped with any one of PSO.

Course outcome

Program Specific outcome

Program outcome - Graduate attributes

Process involved in CO-PO Mapping

The role of CO-PO mapping will be assigned to the faculty as per the hierarchy mentioned below. After the course (subject) allotment from the department, the course in-charge of the course has to write appropriate COs for their corresponding course. It should be narrower and measurable statements. By using the action verbs of learning levels, CO's will be designed. CO statements should describe what the students are expected to know and able to do at the end of each course, which are related to the skills, knowledge and behaviour that students will acquire through the course.

Course co Ordinator (write appropriate Cos and finalize the Co mapping with PSO and PO

Year wise co Ordinator (Class teacher): Consolidate the CO attainment of the respective year

Department IQAC Coordinator- Consolidate the CO attainment and assess the program outcome.

After writing the CO statements, CO will be mapped with PO of the department. If the department is having more than one section in a year or the same course is available for more than one program of the same institute in a semester, the subject expert will be nominated as course coordinator of the corresponding course. The role of the course coordinator is to review the CO statements and the CO-PO mapping which has been done by course in-charge. The year wise coordinator has to consolidate the CO's of the respective year and maintain the documentation of the CO attainment level of the respective year courses as well as documentation of the individual student's extra-curricular and cocurricular activities

SAMPLE CO-PO AND CO-PSO MAPPING

The CO-PO and CO - PSO mapping has been done with correlation levels of 3, 2, 1 and '-'. The notation of 3, 2 and 1 denotes substantially (high), moderately (medium) and slightly (low). The meaning of '-' is no correlation between CO and PO.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	-	-	-	-	3	3	1	2	-	2
CO2	-	1	2	1	-	3	-	2	-	-	1
CO3	2	2	-	3	-	3	-	-	3	2	-
CO4	-	1	-	3	3	3	3	-	2	-	-
CO5	2	3	1	2	-	3	2	2	1	-	3

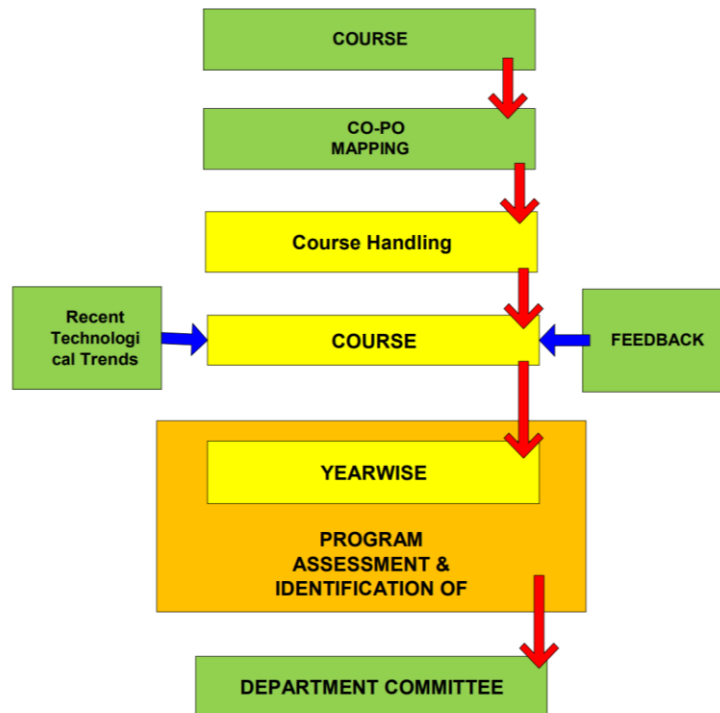
Process used to identify the curricular gaps to the attainment of COs/Pos and CO/PSO

Step-1: The course handling faculty, after CO-PO mapping, would submit CO attainment to Course coordinator.

Step-2: The course coordinator would submit the CO-PO attainment along with curriculum gap identified in the course and recommendations to conduct co-curricular activities & identify content beyond the syllabus to Year wise coordinator(CLASS TEACHER).

Step-3: The department IQAC coordinators would consolidate the CO attainment of the respective year along with curricular gaps and recommendations to conduct co-curricular activities reported by course coordinators and submit the report to IQAC .

Step-4: The Department IQAC Coordinator would consolidate the PO attainment with all the identified gaps and submit report to IQAC.



Identification of curricular gap

Department Assess the Curricular gap and will take necessary steps to bridge the curricular Gap and content beyond the syllabus may be delivered to the students through teaching, arranging guest lectures, industrial visit, in plant training, online quiz, etc.

ASSESSMENT PROCESS

Assessment Process for CO Attainment: For the evaluation and assessment of CO's and PO's, rubrics are used. The rubrics considered here are given below: 1. CO Assessment Rubrics:

Course Outcome is evaluated based on the performance of students in internal assessments and in university examination of a course. Internal assessment contributes 50% and university assessment contributes 50% to the total attainment of a CO. (ii) CO-Assessment Process:

Assessment Parameters: The performance of a student in each semester shall be evaluated course - wise with a maximum of 100 marks for theory course and 100 marks for laboratory.

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 Linguistic Minority Institution
 Affiliated to University of Madras
 Arunthakkam, Chennai-106

AFFIDAVIT - Dwarka Doss Goverdhan Doss Vaishnav College (Alias) D.G.Vaishnav College


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Program Outcome and Course Outcome(PO)



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POST GRADUATE

PROGRAMME OUTCOMES (PO) FOR POST GRADUATE

At the end of the PG programme, the student will be able:

PO1	To attain suitable scientific knowledge and technical skills to realize, calibrate and develop innovative processes / skills for creation of inventive products which are beneficial to society.
	To implement discipline, professionalism, team spirit, communication skills, social and ethical commitment in the most graduates, in order to establish leadership roles exemplify perfection in

