



Vishwendu Vidya Prasarak Mandal

(Reg. No: MAH 1906 / F-1614; Dt.5/3/1987)

ABHINAV VIDYALAY & JUNIOR COLLEGE OF SCIENCE & COMMERCE

(Index Nos: EM/MM - 16.17.019 / 020, JC 16.17.024)

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Welcome to Abhinav

Purpose of this document

Ours is a genuine philosophy of education. We wish to acquaint the prospective member of the Abhinav family with our aims and methods ours is a commitment to excellence and we cannot compromise on our principles. Please read through carefully, so that if you accept our methods it shall be 100%.

The management

The management of the college – Vishwendu Vidya Prasarak Mandal, Dombivli – is an independent educational body, with a creditable record in the field of education, over the past one decade. As a committed team we are a dedicated institution with an open and warm environment, *where everyone is respected, listened to, and encouraged to excel in creative learning for the growth of individuality into personality.*

Our Vision

Learning competitively for a changing world, requires us to play new roles in preparing you to be successful in a new society and in newer dimensions. We hope to establish such a progressive environment.

Our Emblem

Our Emblem is basically derived from the Sun. The shining splendor inherent in the star is depicted through the orange color, which is significant of *teja* and sacrifice. We worship the blazing splendor and pray to God to show us the path from the darkness to light.

Our Motto: All round development of personality.

Within our sprawling and modern building complex we are a devoted and dedicated Educational Institution. To those who know our goals and aims we are the necessity for a challenging and dynamic development of personality. Our school stands for the academic excellence, development of personal skills, individual attention and character foundation. We adore courage championship and adventure; and we always seek to expand the mind, to enrich the spirit and the body through deliberation, interaction and motivation.

Our Mission

The only talent Man has to survive in this world is his Brain. The only function of the Brain is to think. The only purpose of thought is to know. The only use of knowledge is to produce. The only result of production is progress. The only goal of progress is to survive. Thus to survive Man needs to develop the process of thought with self-discipline and rigor. Such is achieved best by the study of Science. Our Mission is to equip our students to be at the forefront of human progress and to lead, if possible. Abhinav is dedicated to assisting students to build competencies that will enable them to shape their lives.

Our Values

Consistency – Understanding – Integrity – Respect – Creativity – Accountability – Excellence

Our Target

Severe competition within **the country demands expertise** and specialization. The same cannot come without a thorough understanding of the basics. We also **need to thrust** in the areas more connected with **technical** know-how, viz. Computers, Astronomy & Space Sciences, Physics and Math. Study of these subjects will also help uplift a large stratum of society from blue-collar office-workers to daring entrepreneurs, which is what our economy needs. **We intend and with due permissions, propose to dedicate** our institution **to** the formal training of these subjects. We also intend to cross-link the industry and educational institutions so as to increase the quality of research-work as well as business, right from the level of junior college.

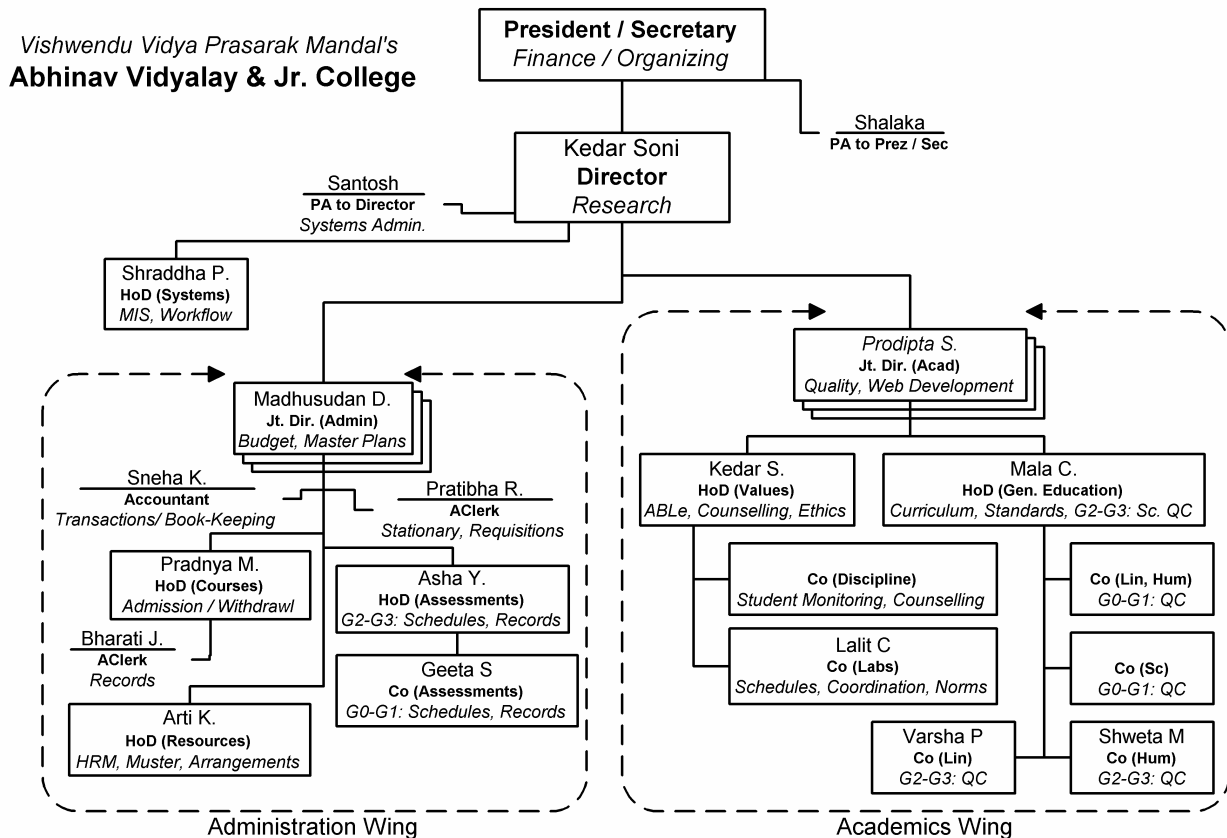
The Way We Work

Within our well-furnished and modern building complex, with its huge Assembly Hall, spacious, naturally illuminated & airy classrooms we are running various units as mentioned below, since 1986. We also have a huge playground in MIDC (Plot OS/8) of 6064 sq. m. area.

Units

- Abhinav Vidyalay English Medium – Primary Section
- Abhinav Vidyalay English Medium – Secondary Section
- Abhinav Vidyalay Marathi Medium – Primary Section
- Abhinav Vidyalay Semi-English Medium – Secondary Section
- Abhinav Junior College of Science – Higher Secondary Section
- Abhinav Junior College of Commerce – Higher Secondary Section

The Functional Hierarchy



We are having average of 60 students per class (40 in the school) and through systematic groupings (considering the psychology, performance & potentials) we give individual attention to each child. We believe an education as a human capital. The investment made on education transforms a person into a human resource. Human resources are the soul of a nation. Likewise discipline is the backbone of a nation and hence, of this institution. All educational activities on the academic & non-academic levels are thoroughly planned, well organized & systematically conducted. Because of absolute discipline the student learns to concentrate on goals, which leads further to the successful development of the student's personality.

Facilities

To achieve our goals and to fulfill our mission we have the following facilities:

- A 21,000 sq. feet premises with 24 classrooms, 10 administrative rooms, indoor courtyard - cum assembly hall - cum lecture hall with stage arrangements
- EPABX system for efficient communications
- An administrative intranet maintained by the systems team to facilitate digitizing, resource planning and automation at various levels
- A 2000 sq. m. playground for training & tournaments in cricket, Volley-ball, Kabbadi, Kho-kho etc

Separate well equipped laboratories for Physics, Chemistry, Geology and Biology capable of handling 15 groups of 2-3 students at a time

A computer laboratory with 20 computers all Pentium machines with SVGA color monitors with LAN & Windows XP based educational packages

Specially designed Space Sciences Lab for training in subjects like Astronomy, Space Instrumentation & Mathematics

A Junior Sciences Lab for Std I to VIII to give the student a thorough grounding in pure sciences

The only college in Thane district offering a course in Geology for HSC

A reference library containing around 2000 books and 15 computers with various e-Books, CD-ROMs and internet connectivity

Training in adventures games like Rope climbing, Valley crossing and rappelling, during school camps

Achievements

Apart from an open atmosphere, dedicated staff, a progressive work-culture, love & support from students & parents and commendations from the Education department officials, we have achieved the following

11 batches of S.S.C. and 6 batches of H.S.C. have passed out with average 97% result

Every year our students get silver & gold medals in the young scientist and Talent search examinations at interschool level

Our chess players have played at the national and international levels

We train students to swim at an early age, leading students to participate at national levels in later years

Won the Best School Trophy in the performance of Young Scientist exams

Many students win awards at various inter-school competitions in debates, dance, drawing, drama, singing, etc.

Science Olympiads

Olympiads in Physics, Mathematics, Informatics, Chemistry, Biology and Astronomy are held at international levels in different countries every year. The level and pattern of the **Olympiads pre-nationals** is very much the **same as** that of the **IIT-JEE**. The final exams see the best young minds, the world over, competing for various medals in theory as well as practical. The selection of the Indian team for the event is done through three rigorous rounds. Training for these prepares the student for a career in the subject.

We are one of the very few schools / colleges in the country to play host / participate / **train** students from IX – XII for the Olympiads

Out of the 4000 candidates appearing for the Indian Astronomy Olympiad, 100 were from our school

Since 1999 we have had one or two of our students until the national round for the Astronomy Olympiad. Vishal Prabhu, made it to Russia thrice since Oct 2000 and has won a **silver and a gold medal** at the **international** round

We are one of the centers for the first round of assessments for these Olympiads.

Students, who took the course for the Olympiads in Physics & Math, did very well in their HSC exams in these subjects.

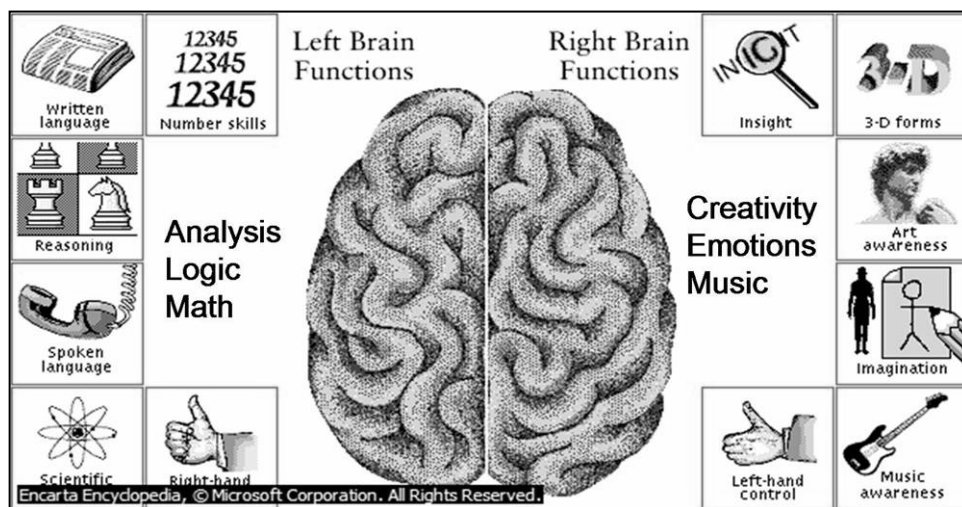
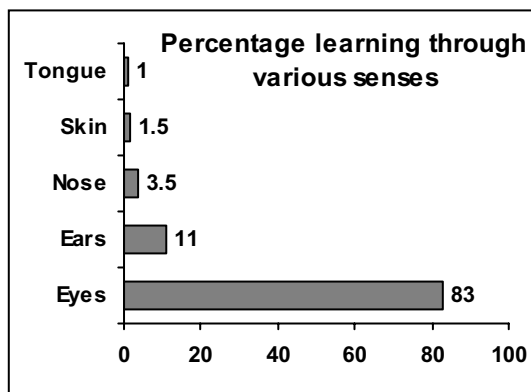
Our Education System

Since 1997-98 the govt. is experimenting with a very good concept of educating, that of a conceptual & competency-based learning. Keeping with this philosophy, we have developed the idea further as a New-Way Learning Program (NWLP) based over the Knowledge – Understanding – Application (KUA) pattern of competency development. Our variation of the education system is based on the following principle

*Teach a student to do something and you've given him a skill,
Teach him to learn and you've made him self-sufficient for life,
Teach him to think and you've made a Man.*

The Activity-Based Learning (ABLE) Program

Learning is a continuous process of responding to stimuli. As can be seen from the adjoining chart, the child requires to be taught maximally through audio-visual media. Along with this the child also needs to explore the world through other senses in a practical way. Hence various types of activities balanced between these sensory weights are needed as a regular part of the learning experience. Then again different parts of our brain handle different kinds of thought processes, as can be seen from the picture below. It is also well known that the brain is highly flexible and that you can train yourself do just about anything, at any stage in your life. Also if you do not use a part of your brain for too long, it gets *rewired* to do something else. Hence to fully use the capacities of our brain, we must train both sides, i.e. we must engage ourselves in analytic as well as creative activities from time to time.



The learning program takes care of the subjects / concepts / skills being taught to the student and the methods followed. It also takes care of the students learning abilities and their development. It necessarily includes development of the psychological and emotional faculties of the student's psyche along with the mental

and intellectual faculties.

Through the two year course in the junior college we develop and assess 40-odd skills for every student which are grouped as Observation, Memory, Reading, Writing, Computation, Critical thinking, Listening, Speaking and Behavior.

The Skill-Based Assessment System (KUA)

The assessment system gives the student, the parent and the educator a measurement of the students psyche in all the above faculties. It includes designing the right type of tests for observing the hidden or visible qualities of the students mind and body. It is also responsible for maintaining the clarity about the test in the mind of the student, i.e. what can be his/her method of approach, while at the same time impartially judging all approaches.

The KUA concept

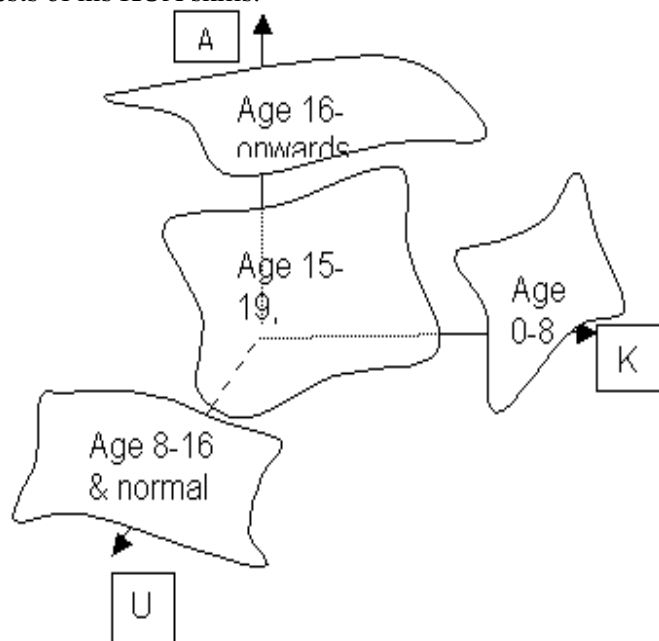
The Knowledge – Understanding – Application pattern is basically a pattern of **assessing** a student and trying to observe as **many facets of his/her personality** as possible. We keep learning new things all our life.

When we say we learn, what we mean is that first we observe someone do something, or something happen. Then we try to keep as much of those observed facts in memory as possible. Alongside this we need to perform some mental calculations or create some relationships in our mind. This means that we are analyzing it.

We break the facts into pieces and try to link one piece with another on the basis of known facts or experiences. We try to discriminate between two different observations and then we classify them into various categories.

Now we make up some hypothesis, which we can test by doing some experiments on people and relationships and objects. We try to find out what went wrong and how it can be rectified. After all this we are in a position to say that our idea or concept is correct. Then we can start using it for our benefit.

All these levels of thinking involve a lot of hidden skills. These are outlined in the pattern and they are targeted in every assessment. Thus we can know which part of the learning process the student is weak in and **can guide** him/her **effectively**. The following is a possible representation of the human psyche in its three dimensions of learning. The extent to which an individual stands can be ascertained by appropriate tests of his KUA skills.



*A child of age 1 – 8 is usually **high** on the **K** part in various assessments.*

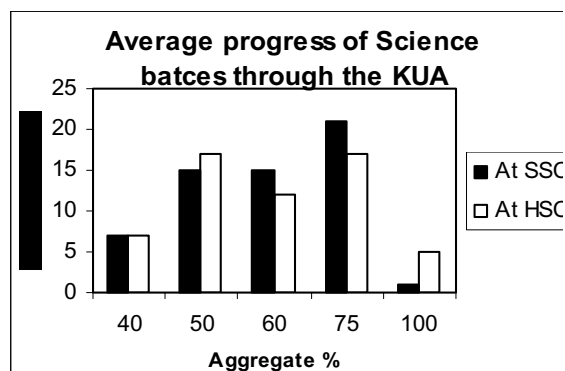
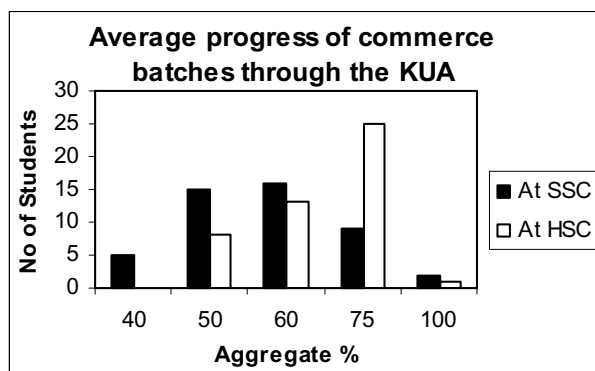
*Someone aged 8 – 16 and a normal adult are **good** at **understanding** things, but not necessarily capable of applying his / her knowledge or learning aggressively.*

*Someone aged 16 and above **can apply** his / her knowledge to complex tasks, but does not necessarily understand it. He / she may not be capable of acquiring more knowledge.*

*The **perfect balance** is achieved when you are equally good at knowing and remembering things and at analyzing them and using them for gaining further knowledge or for other productive purposes.*

In such a way a KUA-type assessment can help you become perfect.

Some Results



After going through the KUA, we see that a large no of students originally with 50-60% have shifted to 75 & above and hardly anybody is left on the border-line

After 2 years of KUA, in spite of the pressure of studying PCM, many have shifted to 5-10% to the right. PCM statistics also confirm an average improvement in Science & Math by 10-15%.

Modes

All assessments depend crucially on the student's expression of his/her abilities. Writing is but one mode of expression of thought. Many individuals express better through speech or actions. Also, the abilities, which cannot be generally expressed, become apparent during open group interactions. Thus it is mandatory for an educator to assess the student in three different ways – Viva, Observation & Written work.

Orals (**viva**) are taken during practical and assignment presentations. Questions are asked either by the teacher or by the other (audience) students to the examinee. Teachers **observe** the students group behavior and personality traits throughout the year and especially during group assignments and project-work. Also, incidents of indiscipline are noted. **Written** exams are conducted periodically, especially for the HSC candidates. Also, the project reports are assessed in writ form.

Types

Mixing the modes together we can have various types of assessments. We have the following types scattered over the academic year.

1. **Group Assignments (AG)** – Students are divided into groups of 8-10. There are about 6-8 such groups in a class. As the teacher of a subject starts with a certain lesson, one of the groups is told to prepare for an **AG based on that lesson**. By the time the lesson is about to end, with the teacher's guidance, the students prepare a summary of the lesson along with practical examples, advanced problems, research areas and GK such as job options, which are related to that particular topic. They are given special library/discussion slots for the same. Then they submit a written report of their work and present the same to the class in about 20m, during a lecture. The class can then ask questions or the teacher can add / clarify some of the points. The teacher assesses them during this presentation.
2. **Individual Assignments (AI)** – In the XI Std, we **focus on** clearing the **concepts** rather than paper presentation and attack techniques. For this reason the AI's for XI are designed as per the pattern of the Olympiad Selection Tests or the IIT-JEE. The paper is wholly objective and has various levels of difficulties. Immediately after the test the paper is discussed thoroughly with the students and the reasoning behind the answers is justified. This helps to revise the portion covered on the eve of the final examination as well as to prepare the student for similar tests. (IIT, BCS, BCA, BMS, etc.) In both the terms the student is also given **home** assignments, which he/she is supposed to attempt thoughtfully, without time constraints, either alone or in a group to encourage **good study habits**. In the XII Std., the AI papers are a miniature copy of the **board paper** in that subject.
3. **Practical (Pr)** – For the Science faculty, practical work is an important aspect of term-work, which is one of the criteria for promotion. Hence a **regular** check is kept on the **maintenance** of journals. The practical assessments are once every term. These include oral as well as written assessment. Besides this from this year on we are introducing a Space Sciences lab for all classes & streams, to develop **awareness of technology** and give a **foundation of math** and logical thought.
4. **Project-work (P)** – Students are distributed through groups and are allocated a topic on which to present a project, just like the group assignments. However, the topic is not from the textual context, but rather it is relevant to the **industrial, research & social** applications of the various subjects learnt by the student. This helps the student to widen his/her horizons and look beyond so as to be able to decide upon the future course of his/her career. Also it gives the student a little taste of developing a concept / application / utility from scratch as is expected in a professional environment.
5. **Written (W)** – The written exams are held at the end of each term, except the third. The third term is dedicated to continuous AI's for board prep. The written exams in the first and the second term are based explicitly on the KUA pattern, i.e. the various skills form questions in the paper. The **board papers** are **also** based on the **KUA**. However the skills required are not clearly targeted in the questions. This helps the student understand the line of questioning better and handle the board-type of questions easily. The prelims in the **fourth term** are exclusively **board-styled**. These prelims are conducted after nearly three weeks of revision and are followed by an extensive discussion of the papers and the mistakes that the students may have committed.

The Schema

We conduct a variety of assessments as will be clear from the table below to continuously monitor these skills. Students are guided as to their drawbacks and parents receive a full report. We consider four terms for the program – two from FYJC and two from SYJC, where the 3rd & 4th term is focused on preparing the student for the board exams.

Term	AI			AG			Pr			W			P		Total Marks
	Sub	No	M	Sub	No	M	Sub	No	M	Sub	No	M	No	M	
1	6	3	25	6	1	25	3	1	20	1	1	Sci-540, Com-600	-	-	1200
2	6	3	25	-	-	-	3	1	20	1	1	Sci-540, Com-600	1	50	1100
	Total over year														2300
3	6	3	50	-	-	-	-	-	-	1	1	Sci-540, Com-600	-	-	1440
4	6	1	50	-	-	-	3	1	20	1	1	Sci-540, Com-600	-	-	900
	Total over year														2340

Rules & regulations

Schedules

Event	Schedule
Lectures	Science: Mon to Fri, 7:30 a.m. – 1:05 p.m.
Terms	I: Jun – Oct; II: Nov – Mar; III: Apr, Jun – Oct; IV: Nov – Jan
Office Hours	Mon to Fri: 7:30 a.m. to 5:30 p.m.
Visiting time – Ho-Ds	Sat: 10:30 a.m. to 1:30 p.m., Mon to Fri: With <u>prior appointment only</u>

Students will **arrive 5m before** schedule. Latecomers will not be excused. However, parents are also cautioned that in order to complete a certain learning session / assignment, students **may have to wait** in the college premises, beyond these timings. In such a case they will be either informed earlier or will be permitted to send a message home. On Saturdays there will be no regular classes. However those days may be used for extra lectures / practical, seminars, project work by prior intimation only. Students can also use these days for library access.

Uniform Code

Boys – Olive green terry-cotton full pant, white shirt, olive green tie with ‘AC’ embroidered in white. Black shoes with lace and plain white socks. During monsoon, the footwear should be either black sandals or black rubber shoes only. (Without any design)

Girls – Olive green terry-cotton salwar with white kurta. Olive green dupatta to be taken in the prescribed way and tucked up. Black open shoes as per the given pattern. Black rubber shoes / sandals during rainy season.

We shall allow **only specific material** for the dress. Parents can confirm the same in the office.

Code of conduct

All students will stand in silence & reverence for the **prayer, everyday** before classes begin.

While moving about in the corridors / classrooms, students will strictly adhere to the etiquette of the institution.

To maintain one’s self-respect it is necessary to respect other individuals. Any nuisance or arrogance will be treated seriously.

Students will bring adequate lunch-boxes, especially on the practical day, since they will **not be permitted outside** the premises for any reason.

Performing a task other than that required by the teacher, in the classroom, will be considered as an insult. Students are expected to focus their entire attention to the proceedings in the class and we also encourage them to get their doubts clarified then & there, so as to be able to hold their attention.

To respect the ethics / morality which upholds humanity and gives you success: -

Be honest in whatever you do in your life

Know the value of being a student, a friend, a classmate or a teacher.

Hate grumbling, murmuring, gossiping, cheating, criticizing, joking, insulting, humiliating, stealing, disobeying & arguing.

Avoid misunderstanding, over-estimating, under-estimating, boasting, abusing, defaming and having misconceptions about the world around you.

Respect yourself, your life, your goals, your tasks, your responsibilities, your decisions, your talk and the place where you stand. Respect all goodness and creativity in the world around.

Love yourself, your parents, teachers, people who work for you, people who love you, your motherland that feeds you and your planet which has given you your existence.

Believe in virtues, truth, nobility, hard work, strength, purity, peace, service, wisdom, patience, tolerance and forgiving.

Attendance

Since, we believe in creative & participative learning, absence from classes with prior permission and with a worthy cause will be considered. We aim towards 90 % attendance in the entire learning program. Students **absent without permission** will be treated seriously. Action taken may range from disallowing the student for a practical / lecture, internal exam, activity, or even the final exams.

Promotion

Promotion of a student into the next academic year depends upon all of the following criteria

Attendance as per above.

Regularity in submissions of term-work, i.e. journals & assignments.

Above 35% in every subject, when an average over all assessments – semester & mid-term – is taken. The student can be granted grace marks in up to three subjects & not more than 10 in each. Absence from any exam – internal or external – will not be permitted.

Fee payments

Fee payments as per instructions in circulars issued, are to be met twice in a year on the given dates, which will be mentioned in the circulars, in the prescribed time.

If there is any inconvenience in paying the fees in the given time, parents should personally approach the office and request permission for the same, failing which they are liable for penalty.

Fees will be accepted through cheques only. Do not hand over the cheques to any staff member other than the desk clerk at the Front Office, at the proper time.

Other rules

A teacher conducting a class at a given time shall be in absolute control of the class and may take appropriate actions in order to maintain discipline in the class.

Every student should take utmost care of the college property and try to keep the college premises neat, tidy and clean for the common welfare of all.

No society association, committee or organization of student should be formed in the college without the sanction of the Principal. No outsider should be invited to address any meeting or to participate in any college activity without the prior permission of the Principal.

No student shall collect any money as contribution towards picnics, trips, days, educational visits, get together, study notes or any other activity without the prior permission of the Principal.

Any matter not covered by the rules and regulations or notified through notices and circulars will rest at the absolute discretion of the Principal. The Principal reserves the right of interpretation of any rule. It is presumed that the student has acquainted himself / herself of all the rules and regulations as stated in this prospectus and accepts the same as binding on him / her before seeking admission to this college.

Mr. Sushil Soni
President, VVPM

Where the mind is without fear and head is high held;

Where knowledge is free;

Where the world has not broken up into fragments by narrow domestic walls

Where the words come from the depth of Truth;

Where tireless striving stretches its arms towards perfection;

Where the clear stream of reason has not lost its way into the dreary desert sand of dead habits

Where the mind is laid forward by thee into ever widening thoughts and actions

Into that heaven of Freedom; my father, let my country awake.

- Maharshi Ravindranath Thakur