



Dr. D. Y. PATIL
EDUCATIONAL FEDERATION
Varale Campus

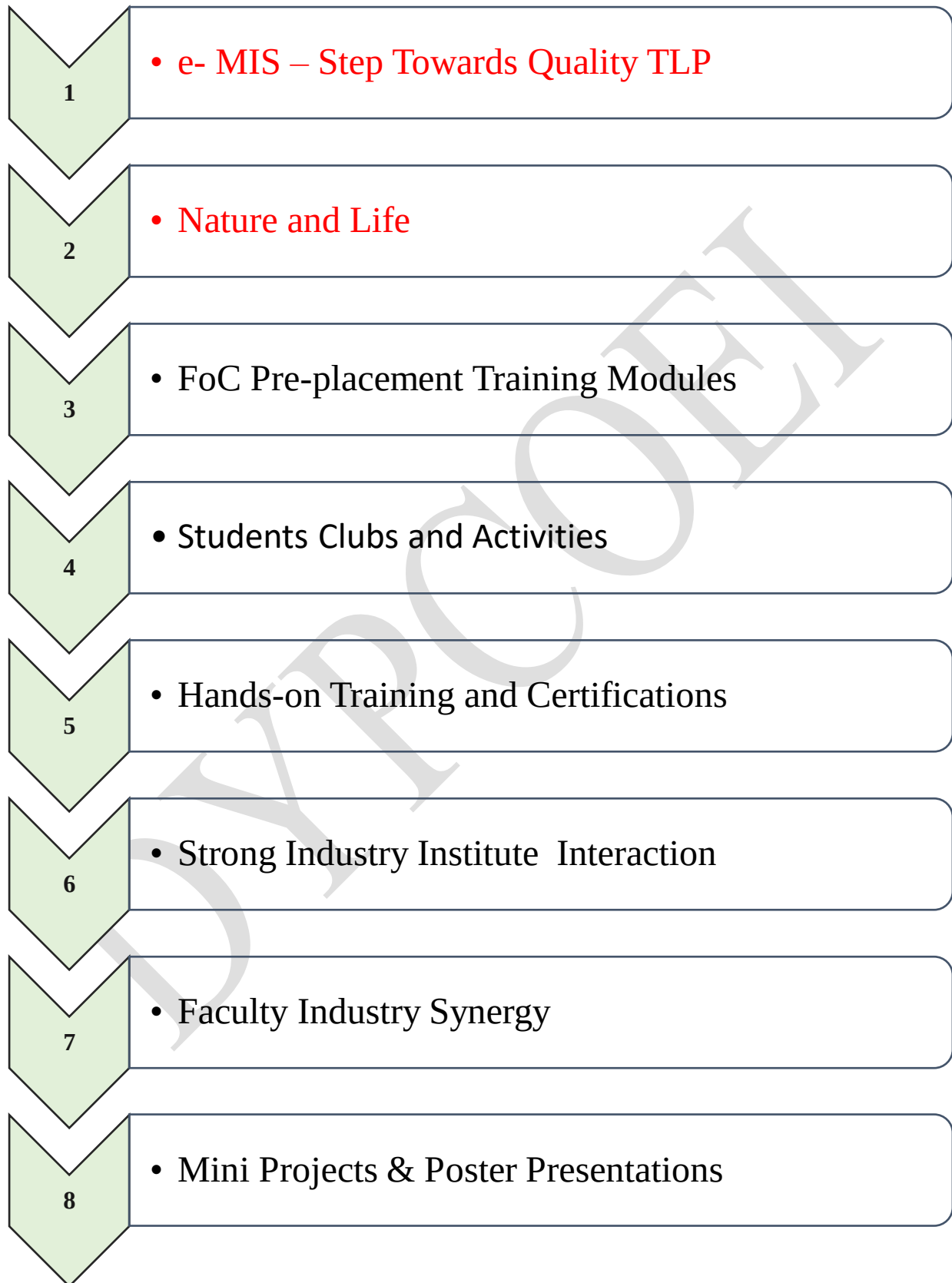
**Dr. D. Y. Patil College of Engineering and Innovation
Varale, Talegaon, Pune 410507**

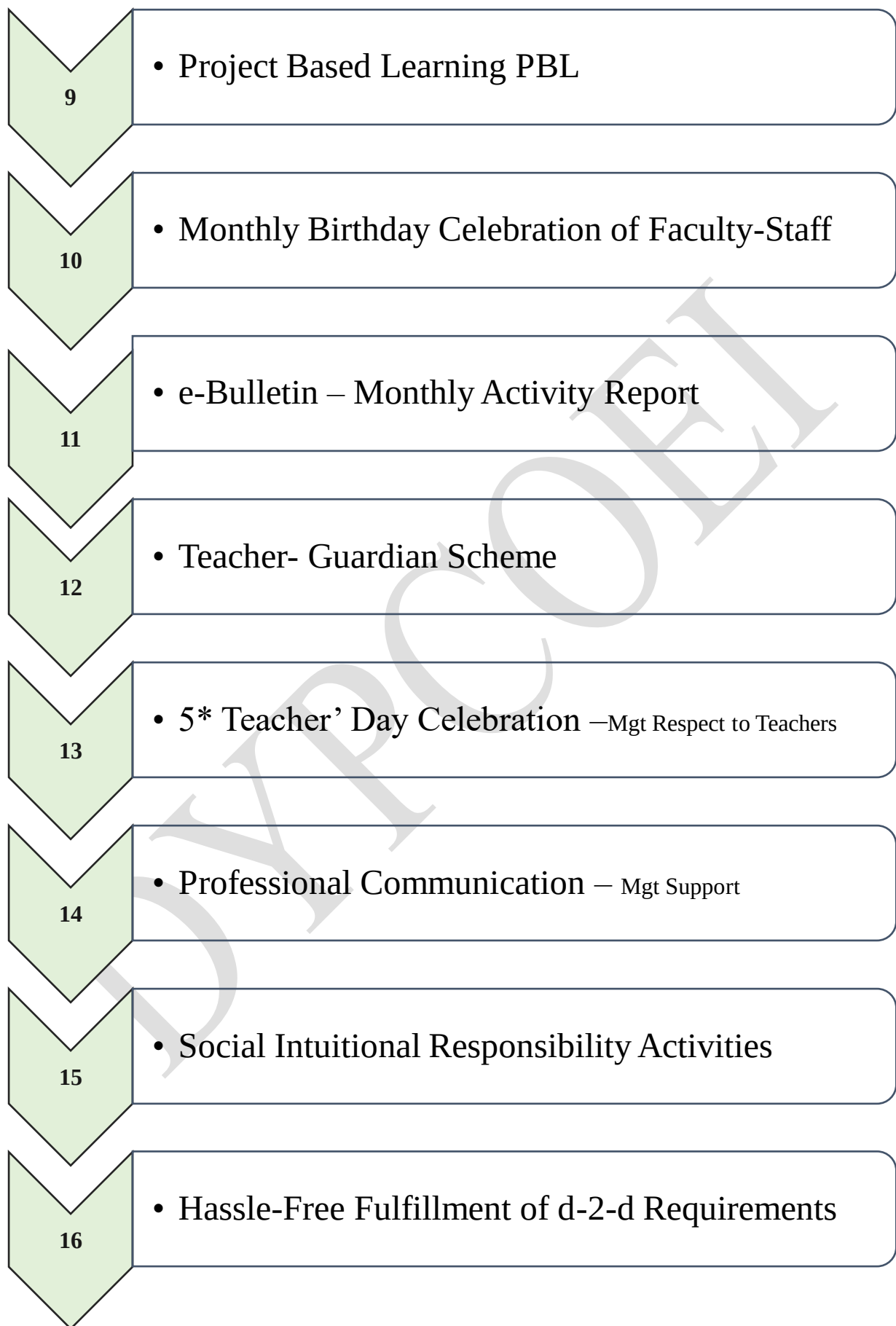
BEST PRACTICES



Dr. D. Y. PATIL
COLLEGE OF ENGINEERING AND
INNOVATION

BEST PRACTICES





BEST PRACTICE - 1

e- MIS – Step Towards Quality TLP

TITLE - e-MIS Academic Monitoring

OBJECTIVE -

The main aim of the MIS system is to monitor curriculum coverage, check the session duration, verify the execution consistency, and track student's attendance with which the utmost goal is to improve the educational quality. The system provides information to administrators to identify the paths for improvement, to check whether the course objectives standards are met, and to remark on the student's participation in the teaching-learning process.

THE CONTEXT-

The system provides information to administrators to identify the paths for improvement, to check whether the course objectives standards are met, and to remark on the student's participation in the teaching-learning process.

INTRODUCTION

The inputs in the execution of a Management Information System (MIS) are course plan, timetable, faculty profile, program profile and lecture swap entry details which capitulate beneficial outputs such as course coverage, session duration, execution consistency, and student attendance.

Administrators can productively monitor course coverage by appending the course plan to the MIS. The MIS can correlate the planned curriculum and course objective with definite content delivered, assuring extensive coverage of all topics within the set out time.

This helps educators recognize gaps or sectors that require improvement thus providing effective educational experience. The timetable input permits the MIS to check the session duration. The MIS system can compute the actual duration of the session and compare them against the scheduled duration by recording the start and

end times of each class.

The program profile input allows the MIS to establish execution consistency. By collecting data related to course plans, teaching methodologies, materials used, and assessment methods, the MIS provides a consolidated platform to monitor educational practices across different sessions. This furnishes a standardized attitude to education and the overall learning experience. The MIS can trace faculty assignments and ease lecture swaps. If the scheduled session is unable to conduct by the faculty, the MIS records the data of the lecture swap and also the substitute faculty. This ensures perfect flow in the educational process.

The output of this MIS execution is multifarious. It provides a platform for administrators and educators with a broad view of course coverage, session duration, execution consistency, and student attendance.

The MIS output provides educational institutions to strengthen educational quality, linkup course objectives, and certify an effective learning environment.

NECESSITY OF e-MIS

We were facing the problem in monitoring the teaching learning process.

1. Beginning and conclusion of the sessions – Punctuality of the teacher.
2. Attendance of session conducted by the faculty.
3. Portion covered during session as per the plan.
4. Student's satisfaction with respect to the actual feedback given by the students.
5. Portion covered with respect to University Calendar.
6. Transparency in Maintaining of records and justification given by faculty.
7. Correlation between portion covered and University exam and evaluation of student.
8. Need of acceptable mechanism by Heads of the Department and faculties with respect to expectations of the Management.

9. Need of automatic monitoring and generation of reports with user friendly portal and mobile applications.
10. Replacement of manual intervention during the process of curriculum delivery.
11. Increase in punctuality of the faculty and its understanding for the benefits of the students.

THE PRACTICE

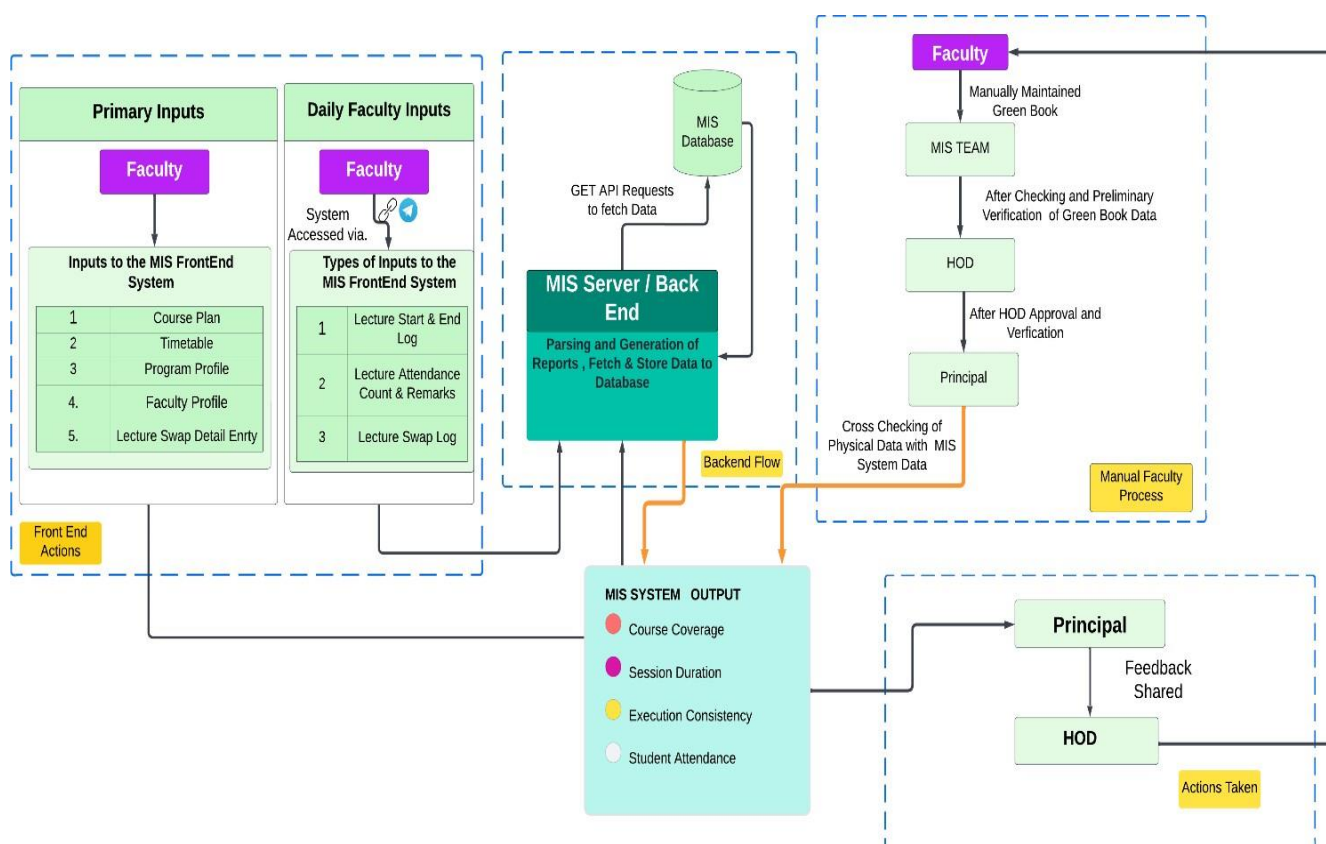
The faculty members contribute to the efficient management of the learning process by providing such primary inputs to the MIS system. Faculty gives the primary input to the MIS front-end which includes course plan, timetable, program profile, faculty profile, and lecture swap detail entry.

Faculty members can provide these daily inputs to the MIS system through the integration of Telegram and the URL link. This daily inputs include Lecture Start & End Log, Attendance Count and Remark and Lecture Swap Log.

The next process is the Manual Faculty Process wherein the green books are maintained by faculty members which is reviewed and verified by the MIS team followed by HOD and the Principal.

In the backend flow of the MIS system the fetching and storing data in the database and parsing and generating reports is done

e-MIS SYSTEM – ACADEMIC MONITORING ARCHITECTURE:



INPUT- FUNCTIONING-OUTPUT

A) FRONT-END ACTION

1. PRIMARY INPUTS

The faculty gives the primary input to the MIS front-end which includes course plan, timetable, program profile, faculty profile, and lecture swap detail entry. The primary inputs play a pivotal role in the effective management of the MIS System.

The course plan provides complete details about the curriculum of the course, its objectives, and the contents covered throughout the course.

The timetable input plays a fundamental role in scheduling the sessions. The date, time, and duration of each session are mentioned. By providing the timetable to the MIS Team, the faculty members provide a smooth platform for the system to track session duration and compare it with the planned sessions.

The overview of the overall program is mentioned in the program profile which includes its objectives, requirements, and guidelines. By in-building the program profile into the MIS system the faculty members provide a base for supporting the execution consistency.

The faculty profile inputs contain information about the subject teacher delivering the course such as the areas of expertise. By inputting the faculty profile into the MIS system, the system enables to accurately assign subject teachers to specific sessions, by making sure that the right faculty members are allotted to the appropriate subjects. The lecture swap detail entry input is decisive for handling any substitutions in the faculty schedule.

The faculty members contribute to the efficient management of the learning process by providing such primary inputs to the MIS system. The system provides accurate data analysis, and informed decision-making, which in turn provides educational quality and smooth learning experience for students.

2. DAILY FACULTY INPUT

Faculty members provide daily inputs to the Management Information System (MIS) by accessing it through Telegram or a URL link.

These inputs include:

Lecture Start & End Log: The faculty members log the start and end times of the session through Telegram or the URL link provided. This information helps the MIS system to track the duration of each session which ensures efficient time management.

Attendance Count and Remark: Faculty members input the count of students who attended each session, along with any additional remarks daily. This data enables the MIS to maintain a record of student attendance daily.

Lecture Swap Log: The lecture swap log captures information such as the original faculty member, the substitute faculty taking over the session, and also the changes

in the session duration.

Faculty members can provide these daily inputs to the MIS system through the integration of Telegram and the URL link.

B) BACK-END FLOW

The two main key functions of the backend flow of the MIS system are fetching and storing data in the database and parsing and generating reports.

The first aspect of the backend flow is fetching and storing data in the database. From various sources, the MIS system retrieves the data which includes faculty inputs, external systems, and APIs, and stores this data in a centralized database. This provides a foundation for generating reports, conducting analysis, and maintaining a record of educational activities.

Parsing and generation of reports involves processing the input data received from various sources. The MIS system interprets this data and organizes the data in a structured format. The data is further used to generate reports which provide valuable insights and analysis regarding the conduction of the course.

C) MANUAL FACULTY PROCESS

Green books are maintained by the faculty members. In the manual faculty process, the MIS team checks the Green Book daily. The entries made by the faculty on the MIS system is cross verified with the manual entries in the Green Book.

After the MIS team verification, the Green book is further reviewed by the Head of the Department (HOD). The HOD reviews the entries to ensure amenability to the policies of the department and addresses any discrepancies or concerns.

Finally, the Green Book is checked by the Principal. The Principal authenticates the information recorded and verifies whether the institutional standards, policies, and objectives are met. This step contributes to maintaining accountability and sustaining educational institutional reputation.

D) MIS SYSTEM OUTPUT

The MIS system generates outputs such as course coverages, session duration, execution consistency, and student attendance. The system provides information to administrators to identify the paths for improvement, to check whether the course objectives standards are met, and to remark on the student's participation in the teaching-learning process.

It provides a platform for administrators and educators with a broad view of course coverage, session duration, execution consistency, and student attendance.

The MIS output provides educational institutions to strengthen educational quality, linkup course objectives, and certify an effective learning environment.

INTRODUCTION TO GOOGLE DASHBOARDS

Google dashboards are configured individually as per their course plan.

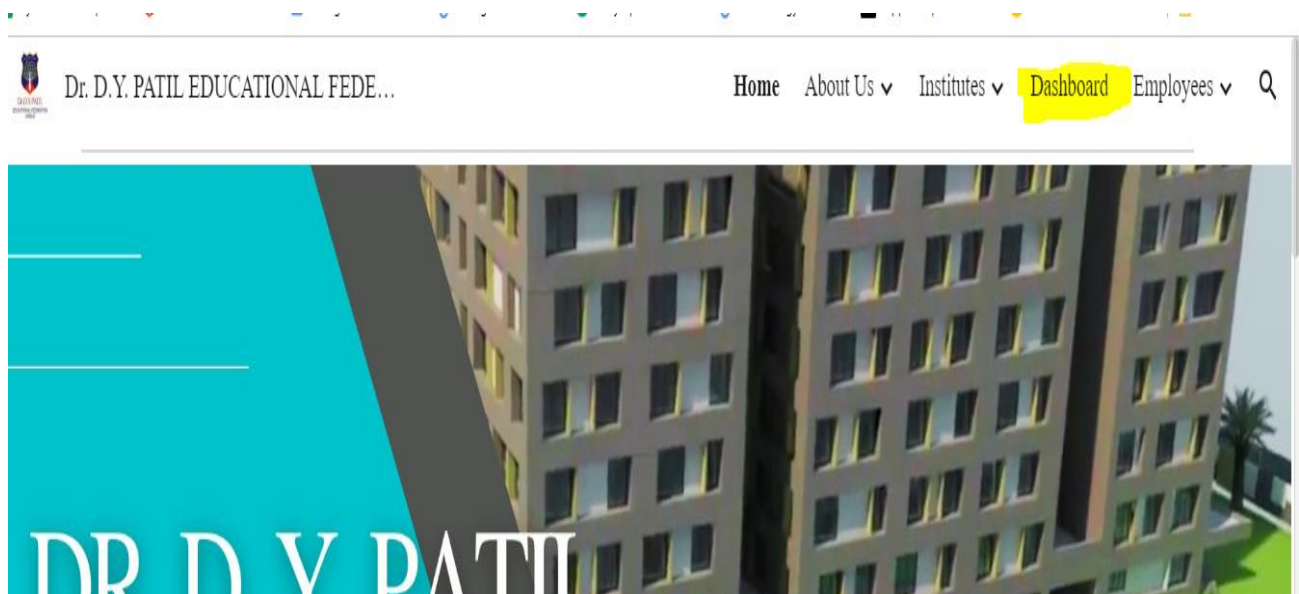
Given link is the path to reach to the Dashboards.

<https://sites.google.com/dypatilef.com/dypef/employees/teaching-faculties/first-year-engineering>

Ahead is the screenshot of Google Dashboard where we can find multiple filters to find the exact data pertaining individuals.

Google dashboard helps to show and collect the data based upon users.

SAMPLE GOOGLE DASHBOARDS



Dr. D.Y. PATIL EDUCATIONAL FEDE...

Home About Us Institutes Dashboard Employees

Dashboards

Support Ticket

Counselling form link



Administration



Teaching



Students

Activate Windows
Go to Settings to activate Windows.

GOOGLE DASHBOARD INTERFACE

Course Plan for Assigned Lectures HOD Confirmation Page

NOTE: The system will update every 15 min so kindly patient and do not redo the entries

Course Plan for Faculties

[Extra/Remedial Page](#)

Filter by

Short Name YrDp Div

Lecture/ Practical/ Tutori... Unit No Subject Code

Short Name	YrDp	Div	Lec No. ①	Unit No	Topic Description	Subject Code	Planned (3)	Swap	Start	End
PP	BECI	A	1	Pract1	Literature collection of introductions to dams (m...	401016	Jan 25, 2023, 9:...	SWAP	STA...	END
ARS	TECO	A	1	Unit1.1	Syllabus discussion and importance of AI	310253	Jan 30, 2023, 2:...			END

HOW GOOGLE DASHBOARD FUNCTIONS

In the previous screenshot we can find various data like faculty name, Year and Department, Div., Subject code and Unit No. Further ahead a box which contains the information received by the faculties (course plan) Following by the links of **start and end** for their inputs.

Please refer the next screenshot for better understanding...

Short Name	YrDp	Div	Lec No. ①	Unit No	Topic Description	Subject Code	Planned (3)	Swap	Start	End
PP	BECI	A	1	Pract1	Literature collection of introductions to dams (m...	401016	Jan 25, 2023, 9:...	SWAP	STA...	END
ARS	TECO	A	1	Unit1.1	Syllabus discussion and importance of AI	310253	Jan 30, 2023, 2:...			END
SSP	TECI	A	1	Unit1.1	Unit I: Design Philosophies and Analysis Design ...	301013	Jan 31, 2023, 9:...			END
PRC	SEA...	A	1	Unit1.1	Concepts-hash table, hash function, basic opera...	210252	Feb 13, 2023, 1:...	SWAP	STA...	END
PPP	TECI	A	1	Pract1	Determination of dissolved oxygen in a given wa...	301012	Jan 27, 2023, 9:...	SWAP	STA...	END
SSS	SECO	A	1	Unit1.1	Software Engineering Fundamentals: Introductio...	210253	Feb 14, 2023, 1:...	SWAP	STA...	END
ABC	FEMS	A	1	Unit1.1	sample topic	123465	Feb 18, 2023, 9:...			END
PPP	TECI	A	1	Unit1.1	Sanitation infrastructure and wastewater quanti...	301012	Jan 23, 2023, 1:...			END
PP	BECI	A	1	Unit 1...	Introduction to dams	401007	Jan 23, 2023, 1:...	SWAP	STA...	END
PP	BECI	A	1	Unit1.1	Introduction to dams	401011	Jan 23, 2023, 1:...	SWAP	STA...	END

Here in the Google Dashboards faculties can see their entire course plan according to the date to validate and measure the current session.

Dates shown here are the dates where lectures have been planned. By clicking on the **start link** faculty provides the input to the system with date and time.

Likewise, after lecture complete faculty need to click on **end link** to provide input to the system to measure the duration of the lecture with few inputs like what was the session about, whether Lecture or practical and Student attendance count.

From faculties perspective they need to click twice to record their response to the system to measure the timeliness of their work.

Where start link is an event, which got **auto submitted** once clicked however end link will trigger a **google form** where they must give inputs.

Google dashboards can be operated by the systems (Computers) only however we have introduced one more channel to make this easy, simple and on the go with the help of **Telegram**.

Faculties need to start the lecture by clicking on the **start link**. Lectures shown here are as per their course plan. Once they mark the lecture start, the link will be disappeared within few minutes.

Upon accomplishment of the lecture as scheduled faculties need to **click on end lecture** link shown earlier, to end the lecture in system with few inputs like session type, Attendance count and remark.

Please refer next screenshots for better idea on above concept.

End Form

misexecutive1.dyp@dyptilef.com (not shared)
[Switch account](#)

* Required

Unq.Key *

DO NOT CHANGE THIS NUMBER

PLEASE DON'T CHANGE THIS UNI.KEY

PABEC11401016

Session Type *

Lecture

Next Clear form

End Form

misexecutive1.dyp@dyptilef.com (not shared)
[Switch account](#)

* Required

Details

Attendance Count *

Your answer

Remark

Your answer

Back Submit Clear form

OUTCOME OF E-MIS

- STUDENT CENTRIC
- FACULTY CENTRIC

STUDENT CENTRIC

IMPROVED ACCESSIBILITY

E-MIS often facilitates easier access to educational resources, course materials, and information for students. This can contribute to a more inclusive learning environment, especially for remote or distance education.

REAL-TIME FEEDBACK

E-MIS often facilitates timely feedback on assignments, assessments, and overall performance. Quick feedback is valuable for student learning, helping them

understand their strengths and areas for improvement.

IMPROVED STUDENT ENGAGEMENT

Interactive features such as online forums, virtual classrooms, and multimedia content within E-MIS can contribute to increased student engagement. This, in turn, can positively impact learning outcomes.

FACULTY CENTRIC

EFFICIENT DATA MANAGEMENT

E-MIS allows educational institutions to manage student data, attendance records, grades, and other relevant information more efficiently. This can streamline administrative processes, reduce paperwork, and minimize errors.

BETTER RESOURCE UTILIZATION

With accurate data on student enrollment, course popularity, and academic performance, institutions can optimize resource allocation. This includes assigning faculty, classrooms, and other resources more effectively.

ENHANCED INSTITUTIONAL PERFORMANCE

The successful implementation of E-MIS contributes to improved institutional performance. This includes academic outcomes, efficiency in administrative processes, and the overall quality of education provided.

BENEFITS OF E-MIS TO THE MANAGEMENT TEAM

REAL-TIME DATA ACCESS:

E-MIS allows the management team to access real-time data and information about various aspects of the organization. This enables quick and informed decision-making.

ENHANCED DECISION-MAKING:

With up-to-date and accurate information readily available, the management team can make more informed decisions. This can lead to better strategic planning and

overall organizational effectiveness.

ADAPTABILITY TO CHANGE:

E-MIS can provide insights into market trends and changes in the business environment. This allows the management team to adapt quickly to changes and stay competitive.

EMPLOYEE PERFORMANCE MANAGEMENT:

E-MIS can assist in monitoring and evaluating employee performance. This can contribute to better workforce management and the overall success of the organization.

SAMPLE e-MIS REPORTS

DYP COEI e- MIS										
Way to Quality analysis and education										
MIS Reports of First Year Engineering Department										
			Start Date	2023-01-01	End Date	2023-12-31				
Name of Faculty	Department	Short Name	Semester wise Target	Actual work done	Actual work done	Actual work done on time	All actual Work done (In %)	All actual Work not done (In %)	Work done on Time (In %)	Work not done on Time (In %)
Sheetal Hotkar	FE	SSH	312	312	300	282	100%	0%	94%	6%
Hari aiwale	FE	HDA	140	130	116	114	93%	7%	98%	2%
Supriya Raut	FE	SBR	198	183	112	100	92%	8%	89%	11%
Pratiksha Patil	FE	PP	158	158	158	145	100%	0%	92%	8%
Dipannita Mondal	FE	DDM	180	180	180	167	100%	0%	93%	7%
Siddharth Suman	FE	SS	283	156	156	138	55%	45%	88%	12%
Rushikesh Londhe	FE	RRL	288	210	132	111	73%	27%	84%	16%
Sherin Kurian	FE	SK	192	192	192	185	100%	0%	96%	4%

DYP COEI e- MIS										
Way to Quality analysis and education										
MIS Reports of First Year Engineering Department										
			Start Date	2023-08-01	End Date	2023-11-30				
					KPI		KRA %		KPI %	
Name of Faculty	Department	Short Name	Till date Target	Actual work done	Actual work done	Actual work done on time	All actual Work done (In %)	All actual Work not done (In %)	Work done on Time (In %)	Work not done on Time (In %)
Suraj Erbatnwar	FE	SME	216	204	204	180	94%	-6	88%	12%
Hari aiwale	FE	HDA	116	95	90	75	82%	-18%	83%	17%
Payal Babar	FE	PTB	132	132	132	112	100%	0%	85%	15%
Supriya Raut	FE	SBR	164	142	142	115	87%	-13%	81%	19%
Pratiksha Patil	FE	PP	96	94	94	85	98%	-2%	90%	10%
Dipannita Mondal	FE	DDM	80	80	80	69	100%	0%	86%	14%
Priyanka Bikkad	FE	PB	74	63	63	51	85%	-15%	81%	19%
Sherin Kurian	FE	SK	186	183	183	160	98%	-2%	87%	13%
Diksha Pawar	FE	DRP	148	82	82	69	55%	-45%	84%	16%
Ram Khandare	FE	RNK	186	157	157	130	84%	-16%	83%	17%
Amol Venkatrao Deshmukh	FE	AVD	144	104	104	90	72%	-28%	87%	13%

PROBLEMS ENCOUNTERED

The problems faced were the sudden change in the university exams due to which the course plans needed to be changed.

ACTION TAKEN

In the MIS system, a feedback and appreciation loop is set to facilitate the sharing of feedback from the Principal to the Head of The Department (HOD) and later to the faculty members. This process promotes a culture of continuous improvement within the educational institution and enhances overall performance.

EVIDENCE OF SUCCESS

The MIS system output provides educational institutions to strengthen educational quality, link up course objectives, and certify an effective learning environment.

CONCLUSION

The MIS system acts as a stimulant within educational institutions. It sets out as an essential tool for educational institutions empowering to strive for excellence and help in the continuous improvement process benefiting educators as well as learners equally.

BEST PRACTICE - 2 **NATURE AND LIFE**

TITLE - Nature and Life

OBJECTIVE

The idea initiated was to connect Tree plantation program with Blood Donation. Donors who willingly offered their blood were gifted Tree saplings along with other gifts. Awareness about the importance of planting trees and donating blood was the dual objective of the program.

THE CONTEXT

The implementation of this idea needed the network related to medical and healthcare sector. In addition, connection with floriculturist in the nearby region was also important.

INTRODUCTION

Blood donation camp is organized every six months at D.Y. Patil Educational Federation's Dr. D. Y. Patil College of Engineering Innovation, Varale Campus to practice our culture of saving nature through life. At this time, each blood donor is given a Certificate and a Tree. The tree is supposed to be planted in the Campus in the name of a Blood Donor and the student pledges with a promise to take care of the plant for the next few years. Therefore, a donor is not only saving the life of another person but also taking care of nature to improve the sustainable growth of human being. If we give something to the nature, the nature is going to give us return gift of our life. So, the Nature and Life.

NECESSITY OF BLOOD DONATION & TREE PLANTATION

1. Integrating both blood donation and tree plantation activities promotes a holistic approach to community well-being.
2. Students understand that health and environmental sustainability are interconnected.

3. Students gain practical experience in organizing and participating in community service events.
4. Students develop organizational, teamwork, and leadership skills.
5. The combined initiative reflects the college's commitment to social responsibility and community engagement.
6. It sets an example for students to prioritize both human and environmental needs.
7. Such events contribute to fostering a positive campus culture centered on health, empathy, and environmental consciousness.
8. Both blood donation and tree plantation activities leave a lasting impact on the community.
9. Students may continue to engage in similar initiatives and encourage a culture of giving back even after graduation.
10. It creates a memorable experience that can shape students' perspectives and behaviors for years to come.

IMPLEMENTATION OF THE PRACTICE

BLOOD BANK

In the search for an authorized blood bank, we came across the website of Maharashtra State Blood Transfusion Council. A list of Blood Banks near Talegaon Dabhade is available on its website. From the list we contacted and enlisted 'Chakan Blood Bank' with the Blood Bank ID 'BB338'.

SAPLINGS

In The search for the saplings, we connected with plant nurseries nearby Talegaon area. Since the whole idea was already shared with the blood bank, the 'Chakan

Blood Bank' voluntarily agreed to provide plant saplings to the donors and wanted to be a participant of the noble cause.

APPEAL TO THE DONORS

Appeal for the student blood donors was supported by providing the scientific knowledge regarding importance of blood donation. Blood donation; along with saving lives also helps in improving health of the donor.

THE PRACTICE

The blood donation camp was in its way a unique combination of a healthcare, nature and engineering knowledge. The blood donation camp introduced all the participants and donors to the human life side and the scientific side of blood donation.

BLOOD DONATION ACTIVITY

A basic health check-up like Temperature, weight, height, blood pressure were carried out on the blood donors. If found healthy, the donors then moved towards the blood donation couches. A total number of 81 students donated blood on this occasion. Post donation, a small demonstration was given on how to give first aid treatment in case of donors feeling dizzy and sudden weakness. A slight weakness is natural after donating blood; hence an arrangement of quick energy refreshments was made available. Biscuits, bananas, tea etc. were provided to the blood donor.

TREE PLANTATION

Each blood donor was gifted tree sapling with the intention of awareness towards tree plantation. The donors promised to plant and take care of the saplings for the next three to four years. Hence a hope is generated that eighty one trees will grow and provide oxygen along with rain. Thus the whole idea starting from life (Blood Donation) and contributing to Nature (Tree plantation) came to a full circle. The participant blood donors were felicitated by giving Blood donation certificates and tree saplings. Few saplings were planted in the campus itself wherein the student vowed to take care of the saplings till they graduate from the institute.



Felicitating Mr.Dinesh Patkar, Chief Head of Blood Bank Chakan



Chakan blood bank team at Dr. D.Y.Patil college of Engineering & Innovation



Token of love received by student donating blood



Certificate received by DYPCOEI



Students at Dr. D. Y. Patil College of Engineering & Innovation participating for blood donation



Blood donors were honored with certificates and gifts



Students & Faculties actively participating for tree plantation



Tree plantation by students at Dr. D. Y. Patil College of Engineering & Innovation



Tree Plantation Activity at the campus



Tree Planted by faculties at the campus

PROBLEMS ENCOUNTERED & RESOURCES REQUIRED

Initial reluctance, fears among donors, lack of knowledge about blood donation were some of the problems that needed to be addressed among the students. Few students had the syringe phobia and hence were not initially willing to participate in the donation camp. A few others cannot withstand the sight of blood and feel faint after watching the blood. Hence a great amount of effort went into the awareness about blood donation. Assurance for full medical support was given in order to fight against the fears and doubts of the donors. The institute provided the Engineering Seminar as the location for the donation camp. The blood bank requested for a room with abundant light and good ventilation. Hence the engineering seminar hall was provided with drinking water and energy refreshments.

EVIDENCE OF SUCCESS

After assuring 70 blood donors from the institute which a pre-requisite by the blood bank, the final number of blood donors was 81. The response received was thus overwhelming as it surpassed the minimum required criteria of the blood bank. The reason for the success can be predicted as motivation through knowledge, willingness to contribute in saving lives and hope for a healthy body. The excess number of donors showcased the excitement, knowledge, positivity among the students towards blood donation and tree plantation. All 81 students will spread the knowledge and awareness among their friends and family about blood donation and tree plantation.

REPORT OF TREE PLANTED IN THE CAMPUS

College has planted following trees with the involvement of Teachers, Students, and Visitors in the campus for increasing the awareness among the students about the importance of trees in one's life.

Sr. No	Name of Tree	Quantity	Medicinal Uses
1	Palm Tree	20	- Can contribute to oxygen production - Palm oil has various uses, and some parts of the tree may have traditional medicinal applications such as leaves are potential Anti-inflammatory and antioxidant properties.
2	Coconut	02	- Coconut has known antibacterial and Antiviral properties. - Oxygen production, erosion control. - Coconut oil is used in traditional medicine, and various parts of the tree have Medicinal properties.
3	Neelgiri	03	- Significant oxygen production, air purification. - The leaves have medicinal properties and are Used in traditional medicine. They have Decongestant and antiseptic properties.
4	English Pagara	05	- Aesthetic value, potential for oxygen production. - Contributes to overall biodiversity.
5	Gulmohar Yellow	50	- Aesthetic value, potential oxygen production. - The tree can have cultural and aesthetic significance.
6	Gulmohar Red	05	- Aesthetic value, potential oxygen production. - The tree can have cultural and aesthetic significance.
7	Nilwa	20	- Antibacterial, antifungal, and antiviral agent. - It's often used in skincare and oral health products.
8	Kalam	08	Oxygen production, soil stabilization.
9	Apata	10	Oxygen production, potential for soil improvement.
10	Bitwa	02	Contributes to biodiversity.
11	Umber	01	Oxygen production, potential for soil

			improvement.
12	Mango	02	The leaves and bark, have been used in traditional medicine for their potential anti-inflammatory and antioxidant properties.
13	Kadulimb	07	Efficacious against a variety of skin diseases, septic sores, and infected burns
14	Supari	03	Expel wind, kill worms, remove phlegm, subdue bad odors, beautify the mouth, induce purification, and kindle passion.
15	French Seek	08	Aesthetic value, potential oxygen production.
16	Ram Fal	02	Traditionally the plant has been employed for treatment of epilepsy, dysentery, cardiac problem, parasite and worm infestations, constipation, hemorrhage, bacterial infection, dysuria, fever, ulcer and insecticide.
17	Pomogranate	01	People use pomegranate for high blood pressure, athletic performance, heart disease, diabetes.
18	Ghaital Show Tree	03	Aesthetic value, potential oxygen production.
19	MorePankhi	05	It is used as a medicinal plant in various forms of traditional medicines like folk medicine, homeopathy and treatment of Bronchial catarrh, enuresis, cystitis, psoriasis, uterine carcinomas, amenorrhea and rheumatism.
20	Christmas Tree	02	It have anti-inflammatory, antiseptic, expectorant, and sedative effects.
21	Bamboo Plant	100	They are used as a traditional medicine with demonstrated effects of anti-oxidation, free radical scavenging, anti-inflammatory, liver protection and ameliorating cognitive deficits. Bamboo leaf is mainly used for the treatment of atherosclerotic, diabetic and nervous system diseases.
22	Hibiscus Plant	48	- Hibiscus flowers are known for their potential benefits on blood pressure and are often used in herbal teas. - Aesthetic value, potential oxygen production.
23	Rose Plant	10	- Aesthetic value, potential oxygen production. - Rose petals are used for their calming properties,

			and rose oil is often used in aromatherapy.
24	Mogara Plant	02	It has many medicinal properties which include role of an anti-depressant, antiseptic, aphrodisiac, antispasmodic, sedative, and more.
25	Lemon Tree	01	- Lemon is rich in vitamin C and is commonly used to boost the immune system. - It also has antibacterial properties.
26	Alovera Plant	05	Traditionally used to treat skin injuries (burns, cuts, insect bites, and eczemas) and digestive problems because its anti-inflammatory, antimicrobial, and wound healing properties.
27	Tulsi Plant	15	- Tulsi can help cure fever. - Tulsi leaves are used to treat skin problems like acne, blackheads and premature ageing. - Tulsi is used to treat insect bites. - Tulsi is also used to treat heart disease and fever. - Tulsi is also used to treat respiratory problems.

BENEFITS OF THE BLOOD DONATION ACTIVITY TO THE SOCIETY

LIFE-SAVING IMPACT - Donated blood is critical for medical treatments, surgeries, and emergency situations, saving countless lives.

HEALTH BENEFITS FOR DONARS - Regular blood donation is associated with improved cardiovascular health and reduced risk of certain diseases.

SUPPORTS MEDICAL RESEARCH - Donated blood is essential for medical research, helping scientists develop new treatments and therapies.

VOLUNTEERISM AND SOCIAL RESPONSIBILITY - Participating in blood donation activities promotes a culture of volunteerism and social responsibility within society.

BENEFITS OF THE TREE PLANTATION ACTIVITY TO THE SOCIETY

ENVIRONMENTAL CONSERVATION - Trees contribute to carbon sequestration, mitigating the effects of climate change by absorbing carbon dioxide and releasing oxygen.

BIODIVERSITY SUPPORT - Trees provide habitats for various species, promoting biodiversity and ecological balance.

AESTHETIC & RECREATIONAL VALUES - Green spaces created by trees enhance the beauty of the environment and provide recreational areas for communities.

TEMPERATURE REGULATION - Trees contribute to microclimate regulation, providing shade and reducing temperatures in urban areas.

CONCLUSION

Both tree plantation and blood donation activities play crucial roles in promoting environmental sustainability, community health, and overall well-being. They demonstrate the positive impact individuals and communities can have on the environment and the lives of others through simple yet impactful actions.

Dr. D. Y. Patil College of Engineering and Innovation
Varale, Talegaon, Pune 410507

OTHER BEST PRACTICES



Dr. D. Y. PATIL
COLLEGE OF ENGINEERING AND
INNOVATION

Poster Presentation



Poster Presentation Competition



Poster prepared by students of Dr. D. Y. Patil College of Engineering & Innovation

Industry – Institute Interaction



First Year Engineering Students with Faculty



Industrial Visit at Fauresia

Birthday Celebration



Faculty & Staff Birthday Celebration



Dr. D. Y. Patil Sir Birthday Celebration

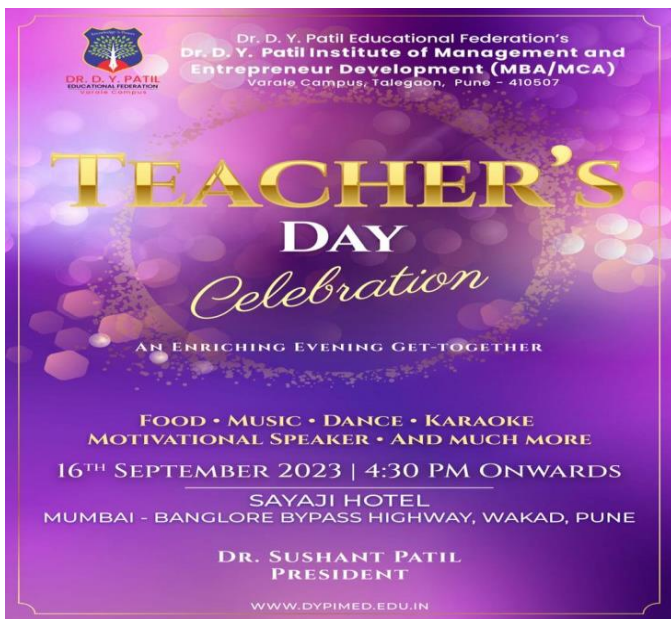


Birthday gifts shared to faculties celebrating birthdays



Faculty & Staff Birthday Celebration

Teacher's Day Celebration



Teacher's Day Invitation Card



Teacher's Day Celebration at Sayaji Hotel



Teacher's Day Celebration – Lighting of the lamp



Teacher's Day Celebration – Chief Guest on the dias

Placement Session



Students attending Placement Session By Giri's Tech Hub



Activities during Placement Session

Students Clubs and Activities



Presentation given by students during Audit Course session