

**RECORDS OF LIST OF METHODOLOGIES USED TO
SUPPORT WEAK STUDENTS AND ENCOURAGE
BRIGHT STUDENTS AND IMPACT ANALYSIS.**



DEPARTMENT OF MECHANICAL ENGINEERING

MAHARAJA INSTITUTE OF TECHNOLOGY THANDAVAPURA,
MYSORE-571302

www.mitt.edu.in

2022-23



Methodologies to support weak students and encourage bright students.

➤ Identification and Assisting weak students (slow learners):

- Students having less than 60% in previous semesters and 60% marks in their internals, having backlogs in University / end semester examinations are identified as academically weak students.
- Based performance of slow learners, course coordinator council the students and informs the respective mentors to track such students.
- Student performance is intimated to parents and conveyed through SMS by respective mentor.
- In each bench, weak and medium students will be seated in between bright students.
- Special classes are conducted before the commencement of SEE examination to discuss important questions and answers.

Table 1: Guidelines to identify weak students and supporting activities.

S/L. No	Identification Criteria	Actions taken
1	Students having less than 60% in previous semesters and 60% marks in their internals, having backlogs in University /semester end examinations.	1. Counselling by senior mentor. 2. Interacting with parents if necessary. 3. Conducting remedial classes. 4. Peer learning. 6. One to One Coaching. 7. Weekly Assignment.

➤ **Identification and encouraging bright students (fast learners)**

- Students greater than less than 70% in previous semesters and scores greater than 70% in IA and having no backlogs are identified as bright students or fast learners.
- Provision of solving additional problems in case of numerical subjects and read reference books.
- Top 3 Students are appreciated among department in every year at departmental activities.
- Motivated to take competitive examinations such as GATE, GRE etc.
- Motivated to read research articles and advanced topics.
- Encouraged to participate in workshops/conferences/webinars/technical talks outside the college and guided to present recent journal papers in conferences.
- Motivating and guiding for higher studies and to secure university ranks.

Table 2: Guidelines to identify bright students and supporting activities.

S/L. No	Identification Criteria	Actions taken
1	Students greater than less than 70% in previous semesters and scores greater than 70% in I A and having no backlogs are identified as bright students	<ol style="list-style-type: none"> 1. Appreciation in departmental activities. 2. Motivated to take competitive examinations such as GATE, GRE. 3. Motivated to read research articles and advanced topics. 4. Encouraged to participate in workshops/conferences. 5. Motivating and guiding for higher studies.



Ref.NO: MTT/MECH/CC/2022-23/004

Date: 07/12/2022

List of weak and bright students for Academic Year 2022-23

In the meeting held by the class committee, following students are considered as bright and weak students for the academic year 2022-23 based on their performance in previous academic year, behavior, class room interaction and involvement in various activities.

List of weak students (Final year)			List of bright students (final year)		
Sl. No	Name	USN	Sl. No	Name	USN
1.	Shashank Y	4MN18ME025	1.	Bhavith G	4MN19ME002
2.	Ashwin Kumar PC	4MN19ME001	2.	Deekshith Kumar E	4MN19ME003
3.	Ishwarprasad S K	4MN19ME005	3.	Gururaj M S	4MN19ME004
4.	Kiran M G	4MN19ME007	4.	Kiran M	4MN19ME006
5.	Rakesh B R	4MN19ME011	5.	Manikanta M	4MN19ME009
6.	Sagar S	4MN19ME012	6.	Pankaj Senapati	4MN19ME010
7.	Sami Ahmed	4MN19ME013	7.	Shiva Prakash C	4MN19ME016
8.	Kalyan N R	4MN20ME401	8.	Sree Vishnu Nambiar A	4MN19ME017
			9.	Harshith MM	4MN20ME400
			10.	Pavan S M	4MN20ME403
			11.	Praveen Kumar L	4MN20ME404



Class Committee Coordinator


HEAD OF THE DEPARTMENT
Department Of Mechanical Engineering
Maharaja Institute Of Technology Thandavapura
Mysuru



List of weak students (3 rd year)			List of bright students (3 rd year)		
Sl. No	USN	Name	Sl. No	USN	Name
1	4MN20ME001	ARJUN S	1	4MN20ME003	KIRAN K M
2	4MN20ME002	HERMAN BELSCHER J	2	4MN20ME004	KUMAR C S
3	4MN20ME005	NANDISHIM	3	4MN20ME006	NAYANA N M
4	4MN20ME012	RHISTON JOLI LEWIS	4	4MN20ME007	PRAJWAL K
5	4MN20ME018	YASHWANTH S	5	4MN20ME008	RJEEVAN ARYA
6	4MN21ME401	AMITH GOWDANT	6	4MN20ME009	RAGHAVENDRA
7	4MN21ME404	CHANDRASHI KARA K S	7	4MN20ME010	RAVIKIRAN K G
8	4MN21ME405	DARSHAN Y K	8	4MN20ME011	RAYAN KHAN
9	4MN21ME406	M M PONNANNA	9	4MN20ME016	D S S P ARNA
10	4MN21ME407	MADHUSUDAN M C	10	4MN20ME017	VEDANTH G S
11	4MN21ME409	MANJUNATHA C	11	4MN21ME400	AKHILA B
12			12	4MN21ME402	BHAGYA R
13			13	4MN21ME403	CHANDRASHI KARA K
14			14	4MN21ME408	MILIKARJUN K M
15			15	4MN21ME410	MOHAMMID ABL TALHA S
16			16	4MN21ME411	PRAMODA
17			17	4MN21ME412	SANJAY M M
18			18	4MN21ME413	SIBYAS


Class Committee Coordinator


HoD
HEAD OF THE DEPARTMENT
Department of Mechanical Engineering
Maraja Institute of Technology, Mandavapura
Mysuru.



List of weak students (2nd year)

List of bright students (2nd year)

Sl. No.	USN	Name	Sl. No.	USN	Name
1.	4MN20ME013	Shivaprasad R S	1.	4MN21ME001	Alok J
2.	4MN21ME005	Harith Kumar H K	2.	4MN21ME002	Bhavayashree
3.	4MN21ME010	Malingesh Gurunath Bilur	3.	4MN21ME003	Bhoomika M
4.	4MN22ME400	Amrith R A	4.	4MN21ME004	Darshan H M
5.	4MN22ME403	Darshan Kumar M N	5.	4MN21ME006	Jnanesh K M
6.	4MN22ME404	Darshan N	6.	4MN21ME007	Krutika S
7.	4MN22ME405	Gowtham S A	7.	4MN21ME008	Lokesh Y S
8.	4MN22ME409	Prajwal N	8.	4MN21ME009	Madan P
9.	4MN22ME412	Venkatesha C	9.	4MN21ME011	Nagashree R
10.			10.	4MN21ME013	Naritha N
11.			11.	4MN21ME014	Raghavendra I Hiremath
12.			12.	4MN22ME401	Anirudda Sharma M
13.			13.	4MN22ME402	Bhavani P K
14.			14.	4MN22ME406	Keerthi Kumar M K
15.			15.	4MN22ME407	Madappa B S
16.			16.	4MN22ME408	Mahesha A
17.			17.	4MN22ME410	Prasanna Kumar
18.			18.	4MN22ME411	Santhosh Kumar
19.			19.	4MN22ME413	Yashwanth S S

Class Committee Coordinator

HOD

HEAD OF THE DEPARTMENT

Department of Mechanical Engineering

Anna Institute of Technology, Tiruvavur

IMPACT ANALYSIS OF WEAK AND BRIGHT STUDENTS



DEPARTMENT OF MECHANICAL
ENGINEERING

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2.2.1. C. Methodologies to support weak students and encourage bright students.

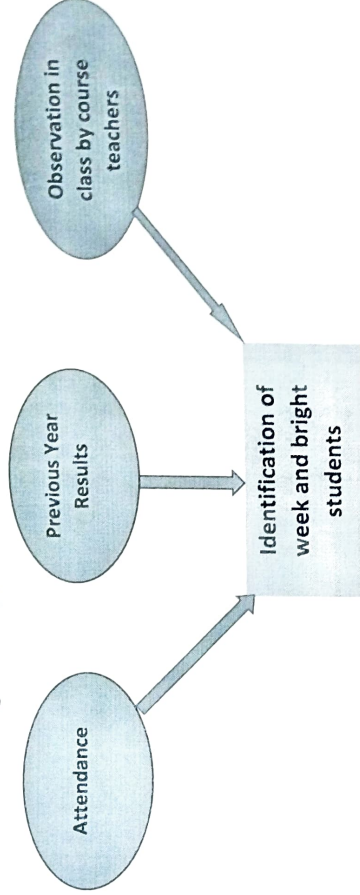


Fig 2.2.1.C.1: Process for identification of weak and bright students

> Identification and Assisting weak students (slow learners):

- Students having less than 60% in previous semesters and 60% marks in their internals, having backlogs in University / end semester examinations are identified as academically weak students.
- Based performance of slow learners, course coordinator council the students and informs the respective mentors to track such students.
- Student performance is intimated to parents and conveyed through SMS by respective mentor.
- In each bench, weak and medium students will be seated in between bright students.
- Special classes are conducted before the commencement of SEE examination to discuss important questions and answers.

Table 2.2.1.C.2: Guidelines to identify weak students and supporting activities.

S/L. No	Identification Criteria	Supporting activities
1	Students having less than 60% in previous semesters and 60% marks in their internals, having backlogs in University /semester end examinations.	<ol style="list-style-type: none"> 1. Counselling by senior mentor. 2. Interacting with parents if necessary 3. Conducting remedial classes. 4. Peer learning. 6. One to One Coaching. 7. Weekly Assignment.

A. Impact Analysis of weak students:

Once the weak students are identified, remedial classes and peer learning groups are formed.

Table 2.2.1.C.3: Sample Remedial Class time table

Remedial classes organized during 2022-23 CAYm1 (Odd Semester)					
Day	Semester	Sl. No	Title of the course	Course Teacher	Duration
Mon	3 rd	1.	Thermodynamics	Prof. Mallikarjuna.	3.40 to 4.10pm
Tue		2.	Thermodynamics	Prof. Mallikarjuna.	3.40 to 4.10pm
Wed		3.	Material science and engineering	Prof. Raghu S.	3.40 to 4.10pm
Thu		4.	Metal Casting, Forming and Joining Processes	Prof. Ajay Kumar K	3.40 to 4.10pm
Fri		5.	Machine Drawing and GD & T	Prof. Mallikarjuna.	3.40 to 4.10pm

Table 2.2.1.C.4: Sample peer learning groups.

COLUMN 1			COLUMN 2		
4MN22ME413 (Yashwanth S S)	4MN22ME406 (Keerthi Kumar M K)	4MN20ME013 (Shivaprasad R S)	4MN21ME007 (Kruthika S)	4MN21ME002 (Bhavyashree)	4MN21ME013 (Namitha N)
4MN22ME404 (Darshan N)	4MN22ME408 (Mahesha A)	4MN22ME405 (Gowtham S A)	4MN21ME003 (Bhoomika M)	4MN21ME011 (Nagashree R)	4MN22ME402 (Bhavani P K)
4MN21ME005 (Harish Kumar H K)	4MN22ME411 (Santhosh Kumar)	4MN22ME400 (Amrith R A)	4MN22ME410 (Prasanna Kumar)	4MN21ME001 (Alok J)	
4MN22ME401 (Anirudda Sharma M)	4MN21ME004 (Darshan H M)	4MN22ME403 (Darshan Kumar M N)	4MN22ME412 (Venkatesha C)	4MN22ME407 (Madappa B S)	4MN21ME008 (Lokesha Y S)
4MN21ME010 (Malingesh Gurunath Billur)	4MN21ME009 (Madan P)	4MN21ME014 (Raghavendra I Hiremath)	4MN22ME409 (Prajwal N)	4MN21ME006 (Jnanesh K M)	

➤ **The observable impacts are**

- Improved results.
- Reduction in backlogs.
- Clearance of backlog subjects.

Table 2.2.1.C.5: Improvement in results

Final year						
Sl. No	Name	USN	5 th Sem	6 th Sem	7 th Sem	8 th Sem
			Percentage	Percentage	Percentage	Percentage
1.	SHASHANK Y	4MN18ME025	65	74	78	84
2.	ASHWIN KUMAR PC	4MN19ME001	59	63	74	82

3.	ISHWAR PRASAD S K	4MN19ME005	61	64	68	82
4.	KIRAN M G	4MN19ME007	65	67	76	82
5.	RAKESH B R	4MN19ME011	62	66	76	85
6.	SAGAR S	4MN19ME012	58	62	75	82
7.	SAMI AHMED	4MN19ME013	58	64	72	79
8.	KALYAN N R	4MN20ME401	51	70	73	85

Third year

Sl. No	Name	USN	3 rd Sem	4 th Sem	5 th Sem	6 th Sem
			Percentage	Percentage	Percentage	Percentage
9.	ARJUN S	4MN20ME001	65	63	61	69
10.	HERMAN BELSCHER J	4MN20ME002	76	72	62	75
11.	NANDISH M	4MN20ME005	74	68	65	76
12.	RHISTON JOEL LEWIS	4MN20ME012	67	61	61	70
13.	YASHWANTH S	4MN20ME018	68	61	59	73
14.	AMITH GOWDA N T	4MN21ME401	63	61	63	67
15.	CHANDRASHEKARA K S	4MN21ME404	56	55	51	67
16.	DARSHAN Y K	4MN21ME405	69	62	60	66
17.	M M PONNANNA	4MN21ME406	63	55	58	70
18.	MADIHUSUDAN M C	4MN21ME407	62	61	56	67
19.	MANJUNATHA C	4MN21ME409	65	69	59	70

Second year

Sl. No	Name	USN	1 st Sem	2 nd Sem	3 rd Sem	4 th Sem
			Percentage	Percentage	Percentage	Percentage
20.	SHIVAPRASAD R S	4MN20ME013	49	50	54	58
21.	HARISH KUMAR H K	4MN21ME005	57	58	71	71
22.	MALINGESH GURUNATH BILLUR	4MN21ME010	51	52	71	75
23.	AMRITH R A	4MN22ME400	NA	NA	52	60
24.	DARSHAN KUMAR M N	4MN22ME403	NA	NA	70	79
25.	DARSHAN N	4MN22ME404	NA	NA	70	73
26.	GOWTHAM S A	4MN22ME405	NA	NA	75	77
27.	PRAJWAL N	4MN22ME409	NA	NA	71	76

28.	VENKATESHA C	4MN22ME412	NA	NA	70	76
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- Reduction in backlogs

Table 2.2.1.C.6: Reduction in backlogs

Final year						
Sl No	NAME	USN	Backlogs			
			5th	6th	7th	8th
1.	SHASHANK Y	4MN18ME025	-	-	-	-
2.	ASHWIN KUMAR P C	4MN19ME001	1	2	-	-
3.	ISHWARPRASAD S K	4MN19ME005	-	-	-	-
4.	KIRAN M G	4MN19ME007	-	-	-	-
5.	RAKESH B R	4MN19ME011	-	-	-	-
6.	SAGAR S	4MN19ME012	1	3	-	-
7.	SAMI AHMED	4MN19ME013	2	1	-	-
8.	KALYAN N R	4MN20ME401	4	-	-	-
Third year						
Sl No	Name	USN	Backlogs			
			3 rd	4 th	5 th	6 th
9.	ARJUN S	4MN20ME001	1	1	01	-
10.	HERMAN BELSCHER J	4MN20ME002	-	-	02	-
11.	NANDISH M	4MN20ME005	2	-	01	-
12.	RHISTON JOEL LEWIS	4MN20ME012	-	2	02	-
13.	YASHWANATH S	4MN20ME018	-	2	02	-
14.	AMITH GOWDA N T	4MN21ME401	2	2	01	01
15.	CHANDRASHEKARA K S	4MN21ME404	3	3	03	01
16.	DARSHAN Y K	4MN21ME405	2	2	03	01
17.	M M PONNANNA	4MN21ME406	1	4	01	-
18.	MADHUSUDAN M C	4MN21ME407	2	1	01	-
19.	MANJUNATHA C	4MN21ME409	1	2	02	01
Second year						
Sl No	NAME	USN	Backlogs			
			1 st	2 nd	3 rd	4 th

20	SHIVAPRASAD R S	4MN20ME013	2	1	02	01
21	HARISH KUMAR HK	4MN21ME005	-	3	00	01
22	LOKESHA Y S	4MN21ME008	2	-	02	-
23	MALINGESH GURUNATH BELLUR	4MN21ME010	1	-	01	-
24	AMRITH R A	4MN22ME400	NA	NA	05	02
25	DARSHAN KUMAR M N	4MN22ME403	NA	NA	03	-
26	DARSHAN N	4MN22ME404	NA	NA	01	-
27	GOWTHAM S A	4MN22ME405	NA	NA	01	-
28	PRAJWAL N	4MN22ME409	NA	NA	02	-
29	PRASANNA KUMAR	4MN22ME410	NA	NA	02	-
30	VENKATESHA C	4MN22ME412	NA	NA	02	01

- Cleared previous backlogs.

Table 2.2.1.C.7: clearance of backlog subjects

Final Year			
Sl. No	Name	USN	No. of Previous Backlogs cleared at the end of 8 th semester
1.	ASHWIN KUMAR PC	4MN19ME001	2
2.	KIRAN M G	4MN19ME007	3
3.	SAGAR S	4MN19ME012	2
4.	SAMI AHMED	4MN19ME013	1
Third year			
Sl. No	Name	USN	No. of Previous Backlogs cleared at the end of 6 th semester
5.	ARJUN S	4MN20ME001	3
6.	HERMAN BELSCHER J	4MN20ME002	1
7.	NANDISH M	4MN20ME005	2
8.	RHISTON JOEL LEWIS	4MN20ME012	1
9.	YASHWANTH S	4MN20ME018	8
10.	AMITH GOWDA N T	4MN21ME401	3

11.	CHANDRASHEKARA K.S	4MN21ME404	4
12.	DARSHAN Y.K	4MN21ME405	5
13.	M.M.PONNANNA	4MN21ME406	3
14.	MADHUSUDAN M.C	4MN21ME407	3
15.	MANJUNATHA C	4MN21ME409	3
Second year			
Sl. No	Name	USN	No. Previous Backlogs cleared at the end of 4th semester
16.	MALINGESH GURUNATH BILLUR	4MN21ME010	1

➤ **Identification and encouraging bright students (fast learners)**

- Students greater than less than 70% in previous semesters and scores greater than 70% in IA and having no backlogs are identified as bright students or fast learners.
- Provision of solving additional problems in case of numerical subjects and read reference books.
- Top 3 Students are appreciated among department in every year at departmental activities.
- Motivated to take competitive examinations such as GATE, GRE etc.
- Motivated to read research articles and advanced topics.
- Encouraged to participate in workshops/conferences/webinars/technical talks outside the college and guided to present recent journal papers in conferences.
- Motivating and guiding for higher studies and to secure university ranks.

Table 2.2.1.C.8: Guidelines to identify bright students and supporting activities.

S/L. No	Identification Criteria	Actions taken
1	Students greater than less than 70% in previous semesters and scores greater than 70% in I A and having no backlogs are identified as bright students	<ol style="list-style-type: none"> 1. Appreciation in departmental activities. 2. Motivated to take competitive examinations such as GATE, GRE. 3. Motivated to read research articles and advanced topics. 4. Encouraged to participate in workshops/conferences. 5. Motivating and guiding for higher studies.

B. Impact Analysis of bright students:

The observable impacts are

- Active participation in various certification courses.
- Active participation in various activities.
- Improvement in academic performance.

➤ **Active participation in various certification courses.**

The HoD and mentors will encourage the bright students along with interested weak students to participate in certification courses and other activities. The following table details about the student participation in various certification courses.

Table 2.2.1.C.9: Participation in various certification courses.

Sl. No	Year of study	Certification platform	Title of the topic	No. of students
1.	2 nd year	Infosys springboard	Catia V5	28
2.			Python Programming	28
3.			HTML	01
4.	3 rd year	Infosys springboard	Finite Element Analysis	29
5.			Additive Manufacturing	29

➤ **Active participation in various activities.**

Table 2.2.1.C.10: Participation in various activities.

Sl. No	Year of study	Participated in	Title of the event	No. of students
1.	2 nd year	Bharath Cycle Design Challenge	BCDC-2023 organized by AICTE New Delhi.	2
2.	2 nd year	Workshop	E-Yantra Robotics	8
3.	2 nd year	Internship	Web Development	9
4.	3 rd year	Bharath Cycle Design Challenge	BCDC-2023 organized by AICTE New Delhi.	1
5.	4 th year	KSCST Project Proposal Submission	KSCST-2023	4
6.	4 th year	ISHRAE quiz competition	QUIZ-2023, organized by ISHRAE student chapter at Vidya Vardhaka College of Engineering	4

➤ Improvement in academic performance.

Table 2.2.1.C.11: Improvement in academic performance

Final year						
Sl. No	Name	USN	5 th Sem	6 th Sem	7 th Sem	8 th Sem
			Percentage	Percentage	Percentage	Percentage
1.	BHAVITH G	4MN19ME002	85	88	86	93
2.	DEEKSHITH KUMAR E	4MN19ME003	78	76	87	90
3.	GURURAJ M S	4MN19ME004	69	77	81	87
4.	KIRAN M	4MN19ME006	70	79	80	89
5.	MANIKANTA M	4MN19ME009	68	74	82	88
6.	PANKAJ SENAPATI	4MN19ME010	80	85	89	94
7.	SHIVA PRAKASH C	4MN19ME016	72	82	83	88
8.	SREE VISHNU NAMBIAR A	4MN19ME017	80	83	88	89
9.	HARSHITH MM	4MN20ME400	66	77	80	86
10.	PAVAN S M	4MN20ME403	69	78	82	88
11.	PRAVEEN KUMAR L	4MN20ME404	64	73	78	86
Third year						
Sl. No	NAME	USN	3 rd	4 th	5 th	6 th
			Percentage	Percentage	Percentage	Percentage
12.	KIRAN K M	4MN20ME003	77	76	64	78
13.	KUMAR C S	4MN20ME004	75	79	75	78
14.	NAYANA N M	4MN20ME006	82	82	80	85
15.	PRAJWAL K	4MN20ME007	78	77	75	81
16.	R JEEVAN ARYA	4MN20ME008	73	66	59	73
17.	RAGHAVENDRA	4MN20ME009	70	68	63	73
18.	RAVIKIRAN K G	4MN20ME010	80	85	76	82
19.	RAYAN KHAN	4MN20ME011	68	66	59	69
20.	D S SUPARNA	4MN20ME016	71	67	66	74
21.	VEDANTH G S	4MN20ME017	73	68	65	72

22.	AKHILA B	4MN21ME400	67	74	70	79
23.	BHAGYA R	4MN21ME402	69	68	72	75
24.	MULIKARJUN K M	4MN21ME408	69	67	69	78
25.	MOHAMMED ABU TALHA S	4MN21ME410	70	69	69	76
26.	PRAMODA	4MN21ME411	68	68	64	73
27.	SHIVA S	4MN21ME413	74	73	71	70
Second year						
Sl/No.	NAME	USN	1 st	2 nd	3 rd	4 th
			Percentage	Percentage	Percentage	Percentage
28.	ALOK J	4MN21ME001	72	73	83	80
29.	BHAVYASHREE	4MN21ME002	81	80	86	87
30.	BHOOMIKA M	4MN21ME003	74	77	88	84
31.	DARSHAN H M	4MN21ME004	76	72	85	82
32.	JNANESH K M	4MN21ME006	56	63	80	82
33.	KRUTHIKA S	4MN21ME007	54	69	78	78
34.	MADAN P	4MN21ME009	76	81	89	86
35.	NAGASHREE R	4MN21ME011	79	80	90	91
36.	NAMITHA N	4MN21ME013	73	79	88	89
37.	BHAVANI P K	4MN22ME402	NA	NA	80	82
38.	KEERTHI KUMAR M K	4MN22ME406	NA	NA	82	84
39.	MADAPPA B S	4MN22ME407	NA	NA	85	83
40.	MAHESHA A	4MN22ME408	NA	NA	82	88
41.	SANTHOSH KUMAR	4MN22ME411	NA	NA	86	85
42.	YASHWANTH S S	4MN22ME413	NA	NA	76	82
43.	RAGHAVENDRA I HIREMATH	4MN21ME014	52	50	68	72

~~Criteria-2~~
Criteria-2 Co-ordinator

[Signature]
HoD