Training Programmes 2021 – 2022

Various training programmes were conducted for Third Year Students and Second Year Students during June 2021 - May 2022.

1. The following training programme was conducted for all Third Year Students through **online mode** by Mahendra Pride Class Room, Chennai.

S.No	Topic	Duration	Target
1.	Employability Skills Training	25-06-2021 to 03-07-2021	All Third Year Students

The details of the Students who had attended the Employability Skills Training.

S.No	Department	No Of Students Attended
1.	Civil Engineering	16
2.	Mechanical Engineering	118
3.	Electrical & Electronics Engineering	82
4.	Electronics & Communication Engineering	37
5.	Modern Office Practice	25
6.	Garment Technology	24
7.	Computer Technology	23
8.	Plastic Technology	16
	Total No Of Students	**341**

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JOB UTSAV

Mahindra
PRIDE CLASSROOM

EMPLOYABILITY SKILLS TRAINING

Mahindra Pride Classroom conducted the online training programme for all third year students under the title of Employability Skills Training from 25-06-2021-03-07-2021.

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JOB UTSAV

Mahindra PRIDE CLASSROOM

EMPLOYABILITY SKILLS TRAINING SCHEDULE

Day	Date	Topic	Skills
1	25-06-2021	First Impression	Induction & Life Skills
2	26-06-2021	I am Unique	Life Skills
3	28-06-2021	Job Opportunities	Life Skills
4	29-06-2021	Explaining a Process	Communication and Interview Skills
5	30-06-2021	Interview Preparation 1	Interview Skills
6	01-07-2021	Interview Preparation 2	Interview Skills
7	02-07-2021	Embracing Change	Life Skills
8	03-07-2021	Mock Interview	Interview Skills

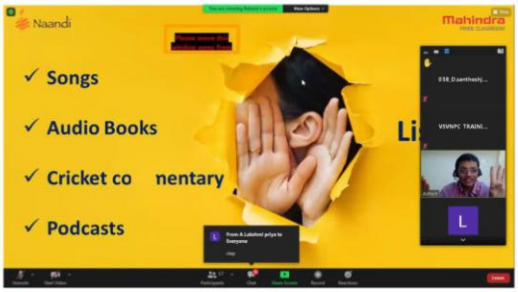
Date-25-06-2021 (Day -1)

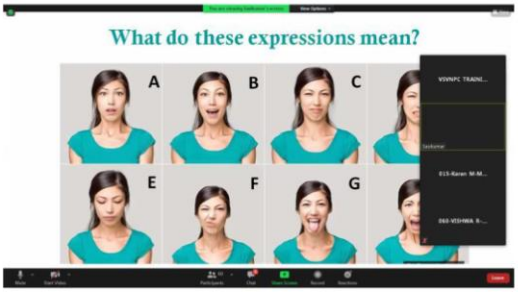
FIRST IMPRESSION- INDUCTION & LIFE SKILLS

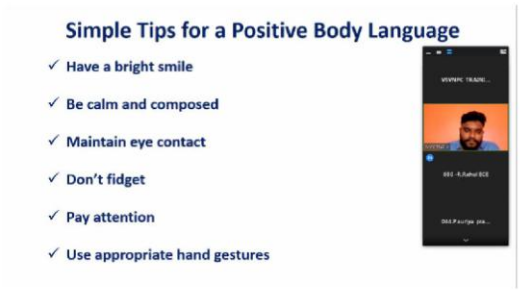
Body Language

Non verbal signs or _behaviour_, which communicates our true feelings, _emotions_ and/or intentions.

It includes our p_____, our f____ expressi
_____ movement, _____ gestures, etc.

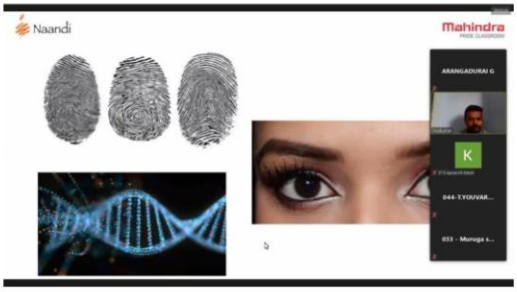






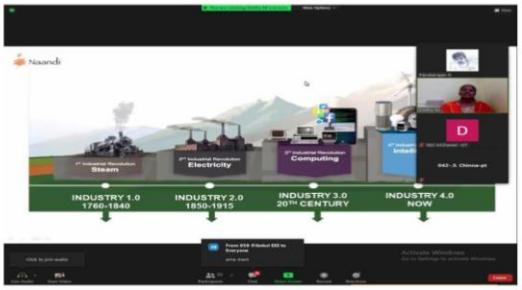
Date-26-06-2021 (Day -2)

I AM UNIQUE- LIFE SKILLS



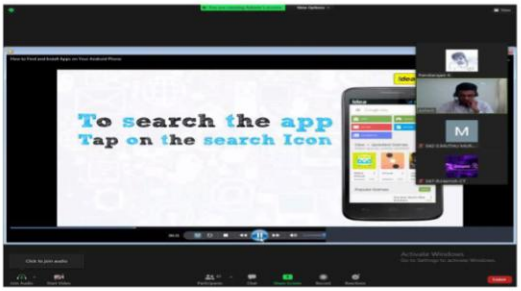
Date-28-06-2021 (Day -3)

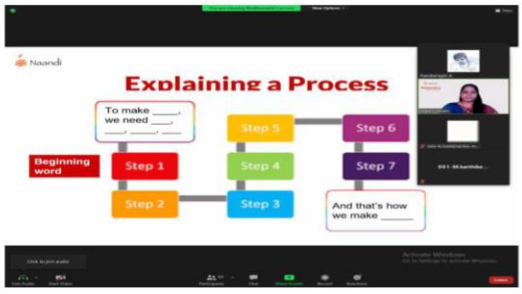
JOB OPPORTUNITIES - LIFE SKILLS



Date-29-06-2021 (Day -4)

EXPLAINING - COMMUNICATION AND INTERVIEW SKILLS



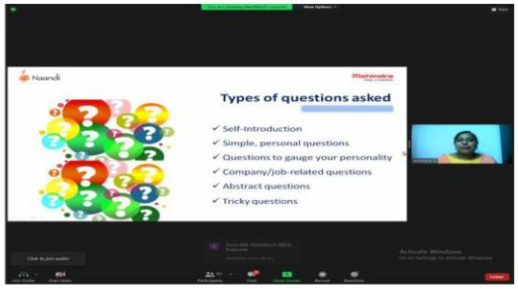


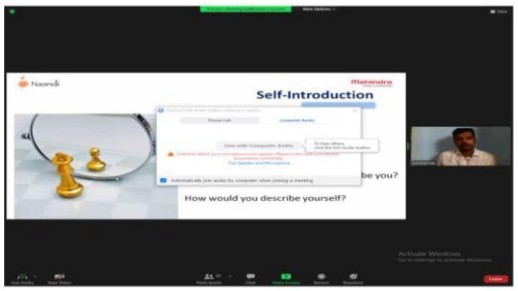
Date-30-06-2021 (Day -5)

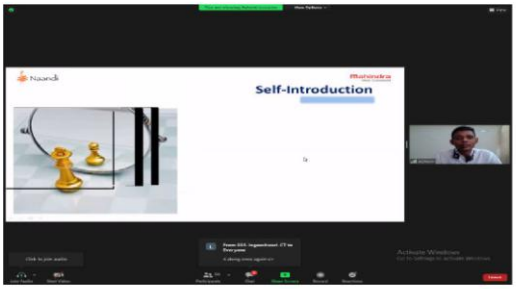
INTERVIEW PREPARATION 1 – INTERVIEW SKILLS

Date-01-07-2021 (Day -6)

INTERVIEW PREPARATION 2 – INTERVIEW SKILLS

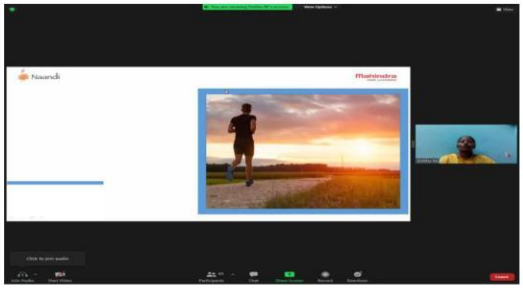


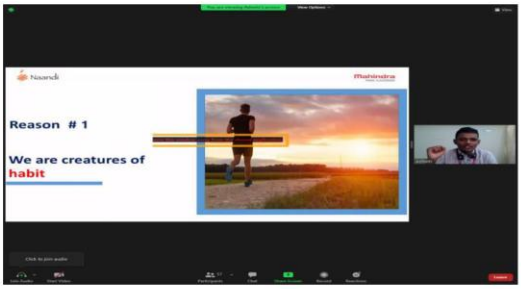


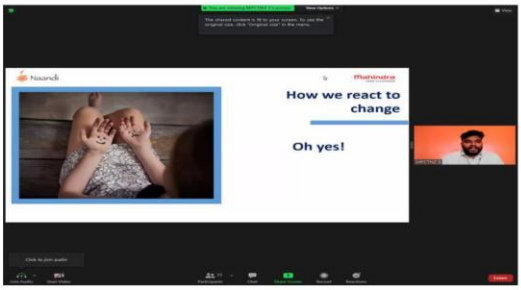


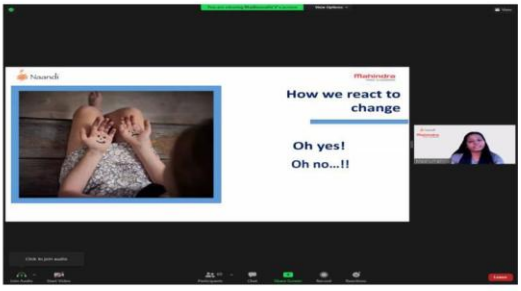
Date-02-07-2021 (Day -7)

EMBRACING CHANGE – LIFE SKILLS



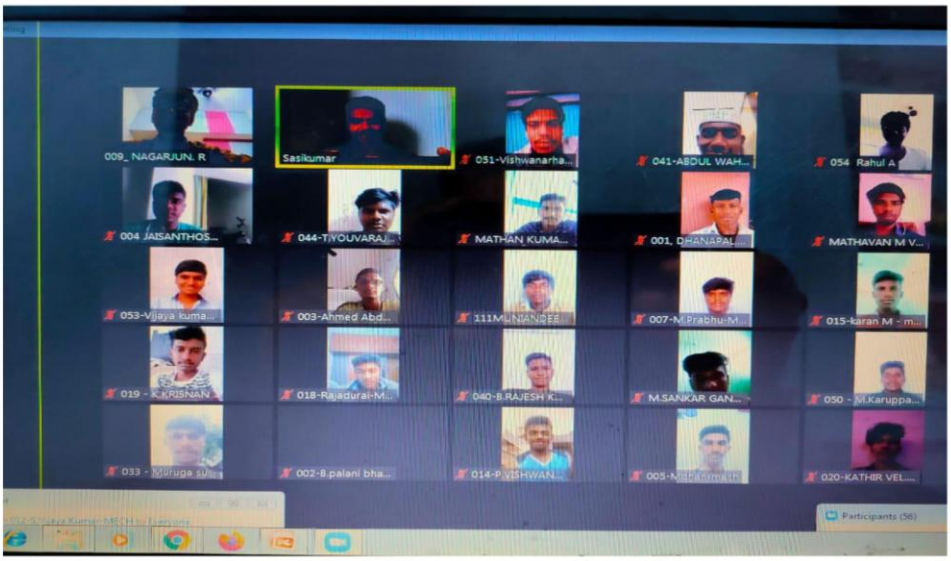




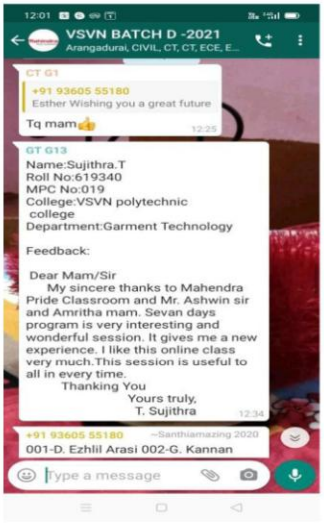


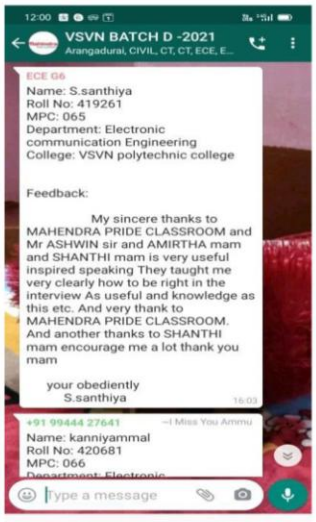
Date-03-07-2021 (Day -8)

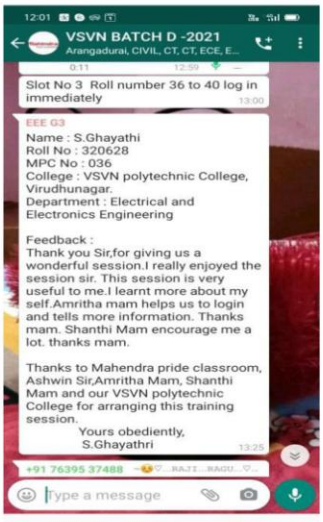
MOCK INTERVIEW –INTERVIEW SKILLS



STUDENTS FEEDBACK







TRAINERS FEEDBACK

CONCLUSION

341 III year Students are benefited through Mahindra Pride Classroom Training, Organized by V.S.V.N Polytechnic College, Virudhunagar.

2. The following Soft Skills training programmes were conducted through Offline mode by our staff members from **01-09-2021 to 03-09-2021.**

Copy of Schedule

Virudhunagar S.Vellaichamy Nadar Polytechnic College (Autonomous), Virudhunagar-626001.

TRAINING CELL

CIRCULAR

Date: 31.08.2021

The **OFFLINE TRAINING** schedule for **All III YEAR STUDENTS** is given below. The concerned department coordinators are instructed to inform the same to **all III YEAR STUDENTS** without fail. The Trainers and Students are advised to strictly follow the **COVID-19** protocol.

S.No	DATE & TIME	Session	BATCH-I (MECH-A) TOPIC & RESOURCE PERSON	BATCH-II (MECH-B) TOPIC & RESOURCE PERSON	BATCH-III (MECH-C) TOPIC & RESOURCE PERSON	BATCH-IV (EEE-A) TOPIC & RESOURCE PERSON	BATCH-V (EEE-B) TOPIC & RESOURCE PERSON	BATCH-VI (ECE) TOPIC & RESOURCE PERSON	BATCH-VII (CT,CIVIL) TOPIC & RESOURCE PERSON	BATCH-VIII (GT,PT) TOPIC & RESOURCE PERSON	BATCH-IX (MOP) TOPIC & RESOURCE PERSON
1	01-09-2021 (Wednesday) 09:00 AM-12:30 PM	Session I (09.15AM - 10.15AM)	BASIC APTITUDE (Mr.B.Jaihind, Lecturer/Maths)	LEADERSHIP SKILLS (Mr.A.Venkatesh Boopathy, Lecturer/MOP)	LISTENING SKILLS (Mrs.R.Priyanka, Lecturer/GT)	BUILD YOUR SKILLS (Mr.Y.Ajayshankar, Lecturer/PT)	TEAM WORK (Mr.M.Manikandan, Lecturer/Mech)	SELF MOTIVATION (Mr.M.Kalidossbabu, Lecturer(SS)/CT)	ENRICHING ENGLISH SKILLS (Miss.V.Muglia, Lecturer/English)	VIRTUAL EDUCATION (Mr.K.Ramalingam, Lecturer/CT)	BASIC ATTITUDE (Mrs.C.Priya, Lecturer/Civil)
		Session II (10.15AM - 11.15AM)	BASIC ATTITUDE (Mr.G.Arangadurai, Lecturer(SG-I)/PT)	BASIC APTITUDE (Mr.B.Jaihind, Lecturer/Maths)	LEADERSHIP SKILLS (Mr.A.Venkatesh Boopathy, Lecturer/MOP)	LISTENING SKILLS (Mr.K.Pandiarajan, Lecturer/Civil)	BUILD YOUR SKILLS (Mr.Y.Ajayshankar, Lecturer/PT)	TEAM WORK (D.Raja, Lecturer/Mech)	SELF MOTIVATION (D.Saravanakumar Lecturer/EEE)	ENRICHING ENGLISH SKILLS (Miss.V.Muglia, Lecturer/English)	VIRTUAL EDUCATION (Mr.K.Ramalingam, Lecturer/CT)
		Session III (11.30AM - 12.30PM)	VIRTUAL EDUCATION (Mr.K.Ramalingam, Lecturer/CT)	TEAM WORK (Mr.M.Manikandan, Lecturer/Mech)	BASIC APTITUDE (Mr.B.Jaihind, Lecturer/Maths)	LEADERSHIP SKILLS (Mr.A.Venkatesh Boopathy, Lecturer/MOP)	LISTENING SKILLS (Mrs.R.Priyanka, Lecturer/GT)	BUILD YOUR SKILLS (Mr.Y.Ajayshankar, Lecturer/PT)	TEAM WORK (Mr.C.Nagarajan, Lecturer/ECE)	SELF MOTIVATION (Mr.M.Kalidossbabu, Lecturer(SS)/CT)	ENRICHING ENGLISH SKILLS (Miss.V.Muglia, Lecturer/English)
2	02-09-2021 (Thursday) 09:00 AM-12:30 PM	Session I (09.15AM - 10.15AM)	ENRICHING ENGLISH SKILLS (Miss.V.Muglia, Lecturer/English)	VIRTUAL EDUCATION (Mr.K.Ramalingam, Lecturer/CT)	BASIC ATTITUDE (Mr.G.Arangadurai, Lecturer(SG-I)/PT)	BASIC APTITUDE (Mr.B.Jaihind, Lecturer/Maths)	LEADERSHIP SKILLS (Mr.A.Venkatesh Boopathy, Lecturer/MOP)	LISTENING SKILLS (Mrs.R.Priyanka, Lecturer/GT)	BUILD YOUR SKILLS (Mr.S.Yuvaraj, Lecturer/Mech)	TEAM WORK (Mr.D.Raja, Lecturer/Mech)	SELF MOTIVATION (Mr.M.Kalidossbabu, Lecturer(SS)/CT)
		Session II (10.15AM - 11.15AM)	SELF MOTIVATION (Mrs.S.A.Amutha, Lecturer(SS)/EEE)	ENRICHING ENGLISH SKILLS (Miss.V.Muglia, Lecturer/English)	VIRTUAL EDUCATION (Mr.K.Ramalingam, Lecturer/CT)	BASIC ATTITUDE (Mrs.C.Priya, Lecturer/Civil)	BASIC APTITUDE (Mr.B.Saravanan, Lecturer(SS)/Mech)	LEADERSHIP SKILLS (Mr.A.Venkatesh Boopathy, Lecturer/MOP)	LISTENING SKILLS (Mr.K.Pandiarajan, Lecturer/Civil)	BUILD YOUR SKILLS (Mr.S.Yuvaraj, Lecturer/Mech)	TEAM WORK (Mr.C.Nagarajan, Lecturer/ECE)
		Session III (11.30AM - 12.30PM)	TEAM WORK (Mr.D.Raja, Lecturer/Mech)	SELF MOTIVATION (D.Saravanakumar Lecturer/EEE)	ENRICHING ENGLISH SKILLS (Miss.V.Muglia, Lecturer/English)	VIRTUAL EDUCATION (Mr.K.Ramalingam, Lecturer/CT)	BASIC ATTITUDE (Mrs.C.Priya, Lecturer/Civil)	BASIC APTITUDE (Mr.B.Saravanan, Lecturer(SS)/Mech)	LEADERSHIP SKILLS (Mr.A.Venkatesh Boopathy, Lecturer/MOP)	LISTENING SKILLS (Mrs.R.Priyanka, Lecturer/GT)	BUILD YOUR SKILLS (Mr.S.Yuvaraj, Lecturer/Mech)
3	03-09-2021 (Friday) 09:00 AM-12:30 PM	Session I (09.15AM - 10.15AM)	BUILD YOUR SKILLS (Mr.S.Yuvaraj, Lecturer/Mech)	BASIC ATTITUDE (Mr.G.Arangadurai, Lecturer(SG-I)/PT)	SELF MOTIVATION (D.Saravanakumar Lecturer/EEE)	ENRICHING ENGLISH SKILLS (Miss.V.Muglia, Lecturer/English)	VIRTUAL EDUCATION (Mr.K.Ramalingam, Lecturer/CT)	BASIC ATTITUDE (Mrs.C.Priya, Lecturer/Civil)	VIRTUAL EDUCATION (Mr.K.Ramalingam, Lecturer/CT)	BASIC APTITUDE (Mr.B.Jaihind, Lecturer/Maths)	LEADERSHIP SKILLS (Mr.A.Venkatesh Boopathy, Lecturer/MOP)
		Session II (10.15AM - 11.15AM)	LISTENING SKILLS (Mrs.R.Priyanka, Lecturer/GT)	LISTENING SKILLS (Mr.K.Pandiarajan, Lecturer/Civil)	TEAM WORK (Mr.C.Nagarajan, Lecturer/ECE)	TEAM WORK (Mr.M.Manikandan, Lecturer/Mech)	SELF MOTIVATION (D.Saravanakumar Lecturer/EEE)	ENRICHING ENGLISH SKILLS (Dr.N.Murugan, Lecturer(SG-I)/PT)	BASIC APTITUDE (Mr.B.Jaihind, Lecturer/Maths)	BASIC ATTITUDE (Mr.G.Arangadurai, Lecturer(SG-I)/PT)	BASIC APTITUDE (Mr.B.Jaihind, Lecturer/Maths)
		Session III (11.30AM - 12.30PM)	LEADERSHIP SKILLS (Mr.A.Venkatesh Boopathy, Lecturer/MOP)	LISTENING SKILLS (Mr.K.Pandiarajan, Lecturer/Civil)	BUILD YOUR SKILLS (Mr.S.Yuvaraj, Lecturer/Mech)	SELF MOTIVATION (Mrs.S.A.Amutha, Lecturer(SS)/EEE)	ENRICHING ENGLISH SKILLS (Mr.K.Ramalingam, Lecturer/CT)	VIRTUAL EDUCATION (Mr.K.Ramalingam, Lecturer/CT)	BASIC ATTITUDE (Mr.G.Arangadurai, Lecturer(SG-I)/PT)	VIRTUAL EDUCATION (Mr.K.Ramalingam, Lecturer/CT)	BASIC ATTITUDE (Mr.B.Jaihind, Lecturer/Maths)

Copy to: Chairman, Governing Council
Copy to: VP, All HODs, Training Coordinator, Individuals & file

PRINCIPAL
1/9/21

S.No	Topics	Period	No .of .Sessions	Target
1.	BASIC APTITUDE	01-09-2021 to 03-09-2021	9	All Third Students
2.	BASIC ATTITUDE	01-09-2021 to 03-09-2021	9	
3.	VIRTUAL EDUCATION	01-09-2021 to 03-09-2021	9	
4.	ENRICHING ENGLISH SKILLS	01-09-2021 to 03-09-2021	9	
5.	SELF MOTIVATION	01-09-2021 to 03-09-2021	9	
6.	TEAM WORK	01-09-2021 to 03-09-2021	9	
7.	BUILD YOUR SKILLS	01-09-2021 to 03-09-2021	9	
8.	LISTENING SKILLS	01-09-2021 to 03-09-2021	9	
9.	LEADERSHIP SKILLS	01-09-2021 to 03-09-2021	9	
Total			81	

The details of the Students who had attended the training programme during **01-09-2021 to 03-09-2021**

S.No	**Department**	**No Of Students Attended**
1.	Civil Engineering	21
2.	Mechanical Engineering	110
3.	Electrical & Electronics Engineering	76
4.	Electronics & Communication Engineering	48
5.	Modern Office Practice	39
6.	Garment Technology	22
7.	Computer Technology	19
8.	Plastic Technology	15
	Total No Of Students	350

SOFT SKILLS TRAINING - **BASIC APTITUDE** (01.09.2021 TO 03.09.2021)

SOFT SKILLS TRAINING - **BASIC ATTITUDE** (01.09.2021 TO 03.09.2021)

SOFT SKILLS TRAINING - **BUILD YOUR SKILLS** (01.09.2021 TO 03.09.2021)

SOFT SKILLS TRAINING-**ENRICHING ENGLISH SKILLS** (01.09.2021 TO 03.09.2021)

SOFT SKILLS TRAINING - **LEADERSHIP SKILLS** (01.09.2021 TO 03.09.2021)

SOFT SKILLS TRAINING - **LISTENING SKILLS** (01.09.2021 TO 03.09.2021)

SOFT SKILLS TRAINING - **SELF MOTIVATION** (01.09.2021 TO 03.09.2021)

SOFT SKILLS TRAINING - **TEAM WORK** (01.09.2021 TO 03.09.2021)

SOFT SKILLS TRAINING - **VIRUTUAL EDUCATION** (01.09.2021 TO 03.09.2021)

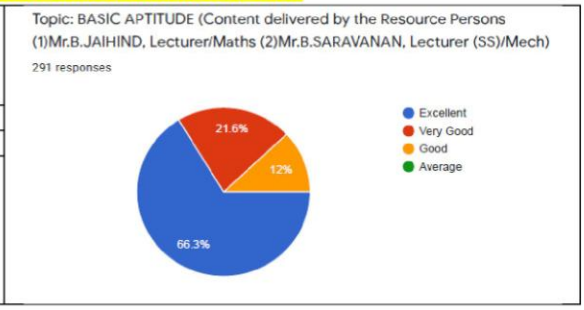
SOFT SKILLS TRAINING (01.09.2021 TO 03.09.2021) - FEEDBACK

Virudhunagar S.Vellaichamy Nadar Polytechnic College (Autonomous), Virudhunagar-626001.
(Affiliated to Directorate of Technical Education ,Chennai-25)
(ISO 9001:2015 Certified Institution)

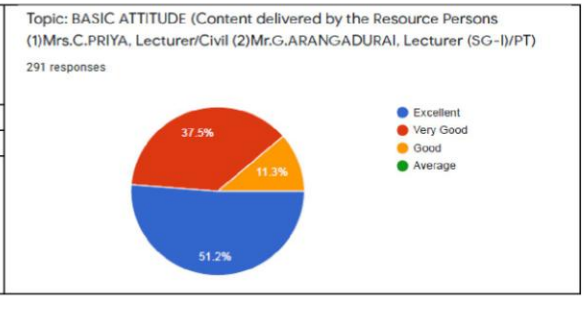
TRAINING CELL

TRAINING PROGRAMMES - FEEDBACK REPORT

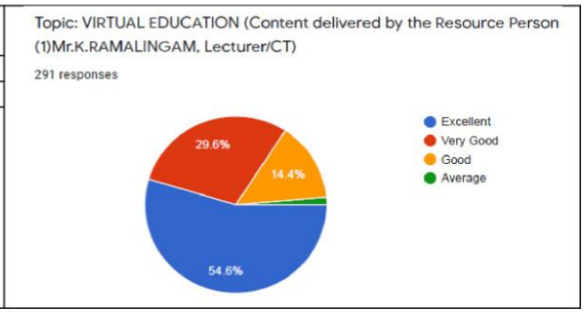
Resource persons	Mr.B.JAIHIND LECTURER/MATHS Mr.B.SARAVANAN LECTURER(SS)/MECH
Topic	BASIC APTITUDE
Date	01-09-2021 to 03.09.2021
Target group	ALL THIRD YEAR STUDENTS



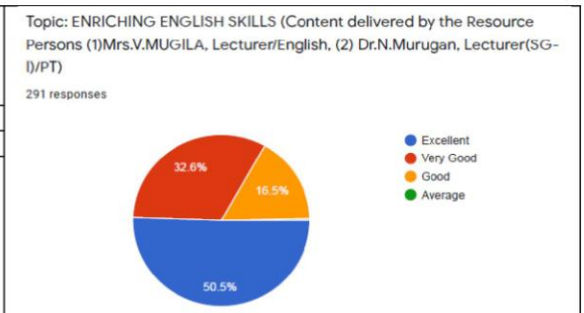
Resource persons	Mrs.C.PRIYA LECTURER/CIVIL Mr.G.ARANGADURAI LECTURER(SG-I)/PT
Topic	BASIC ATTITUDE
Date	01-09-2021 to 03.09.2021
Target group	ALL THIRD YEAR STUDENTS



Resource person	Mr.K.RAMALINGAM LECTURER/CT
Topic	VIRTUAL EDUCATION
Date	01-09-2021 to 03.09.2021
Target group	ALL THIRD YEAR STUDENTS



Resource persons	Miss.V.MUGILA LECTURER/ENGILISH Dr.N.MURUGAN LECTURER(SG-I)/PT
Topic	ENRICHING ENGLISH SKILLS
Date	01-09-2021 to 03.09.2021
Target group	ALL THIRD YEAR STUDENTS



Virudhunagar S.Vellaichamy Nadar Polytechnic College (Autonomous), Virudhunagar-626001.

(Affiliated to Directorate of Technical Education ,Chennai-25)

(ISO 9001:2015 Certified Institution)

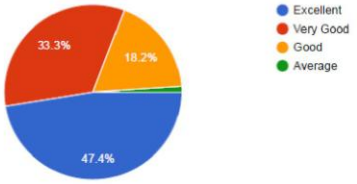
TRAINING CELL

TRAINING PROGRAMMES FEEDBACK REPORT

Resource persons	Mrs.S.A.AMUTHA LECTURER(SS)/EEE Mr.M.KALIDOSSBABU LECTURER(SS)/CT Mr.D.SARAVANAKUMAR LECTURER/EEE
Topic	SELF MOTIVATION
Date	01-09-2021 to 03.09.2021
Target group	ALL THIRD YEAR STUDENTS

Topic: SELF MOTIVATION (Content delivered by the Resource Persons (1)Mrs.S.A.AMUTHA, Lecturer/EEE, (2)Mr.M.KALIDOSS BABU, Lecturer(SS)/EEE, (3)Mr.D.SARAVANAKUMAR, Lecturer/EEE)

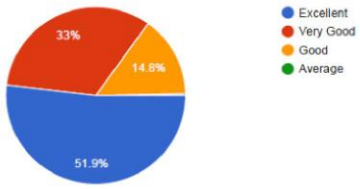
291 responses



Resource persons	Mr.D.RAJA LECTURER/MECH Mr.M.MANIKANDAN LECTURER/MECH Mr.C.NAGARAJAN LECTURER/ECE
Topic	TEAM WORK
Date	01-09-2021 to 03.09.2021
Target group	ALL THIRD YEAR STUDENTS

Topic: TEAM WORK (Content delivered by the Resource Persons (1)Mr.D.RAJA, Lecturer/Mech, (2)Mr.M.MANIKANDAN, Lecturer/Mech, (3)Mr.C.NAGARAJAN, Lecturer/ECE)

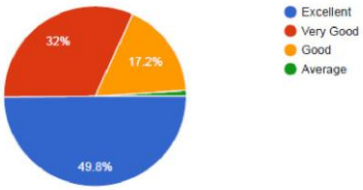
291 responses



Resource persons	Mr.S.YUVARAJ LECTURER/MECH Mr.Y.AJAYSHANKAR LECTURER/PT
Topic	BUILD YOUR SKILLS
Date	01-09-2021 to 03.09.2021
Target group	ALL THIRD YEAR STUDENTS

Topic: BUILD YOUR SKILLS (Content delivered by the Resource Persons (1)Mr.S.YUVARAJ, Lecturer/Mech, (2)Mr.Y.AJAY SANKAR, Lecturer/PT)

291 responses



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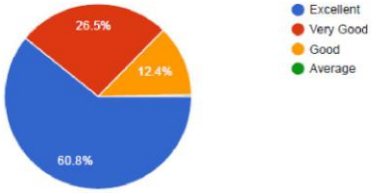
TRAINING CELL

TRAINING PROGRAMMES FEEDBACK REPORT

Resource persons	Mrs.R.PRIYANKA LECTURER/GT Mr.K.PANDIARAJAN LECTURER/CIVIL Mr.Y.AJAYSHANKAR LECTURER/PT
Topic	LISTENING SKILLS
Date	01-09-2021 to 03.09.2021
Target group	ALL THIRD YEAR STUDENTS

Topic: LISTENING SKILLS (Content delivered by the Resource Persons (1)Mrs.R.PRIYANKA, Lecturer/GT, (2)Mr.Y.AJAY SANKAR, Lecturer/PT, (3)Mr.K.PANDIARAJAN, Lecturer/Civil)

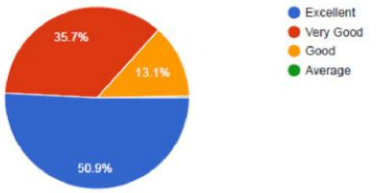
291 responses



Resource person	Mr.A.VENKATESH BOOPATHY LECTURER/MOP
Topic	LEADERSHIP SKILLS
Date	01-09-2021 to 03.09.2021
Target group	ALL THIRD YEAR STUDENTS

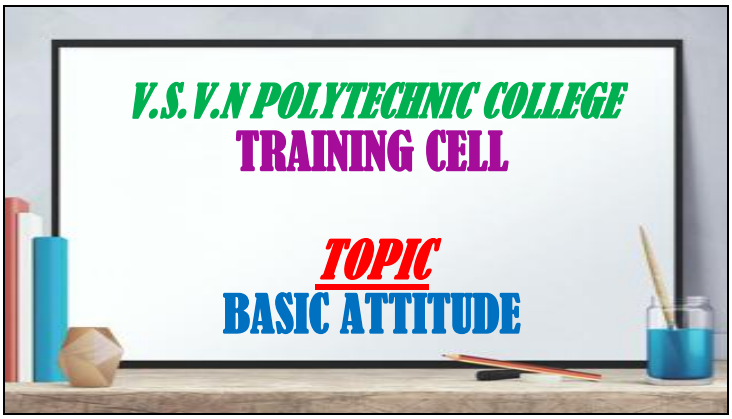
Topic: LEADERSHIP SKILLS (Content delivered by the Resource Person (1)Mr.A.VENKATESH BOOPATHY, Lecturer/MOP)

291 responses



SAMPLE MATERIAL - BASIC ATTITUDE

Slide 1



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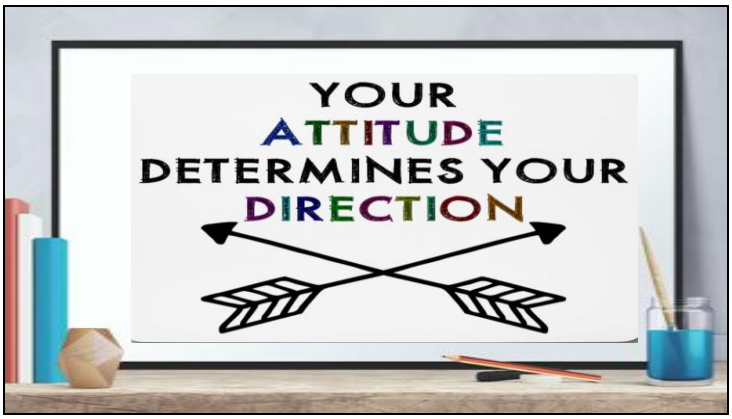

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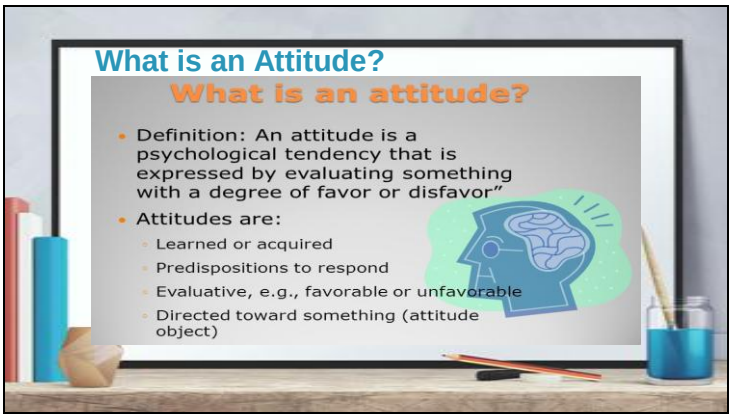

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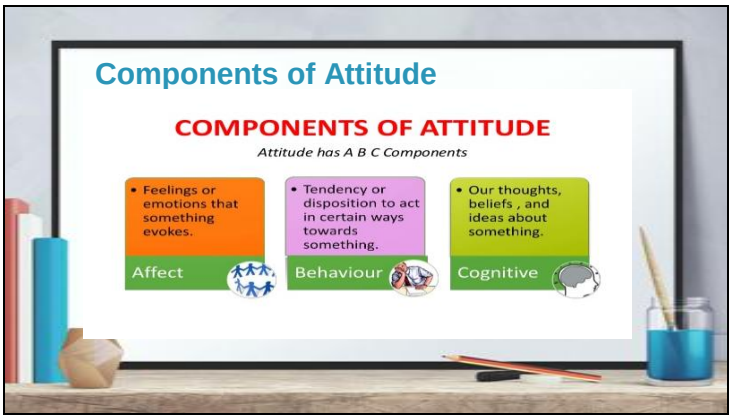

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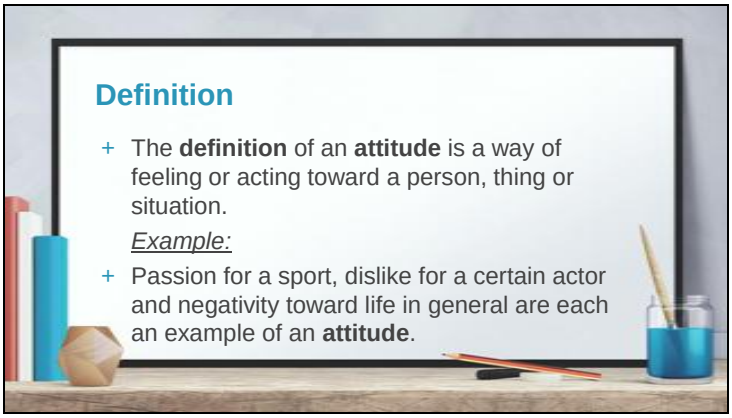

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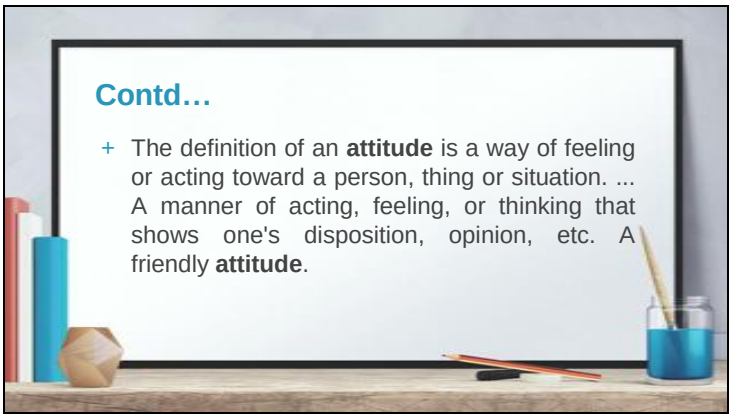

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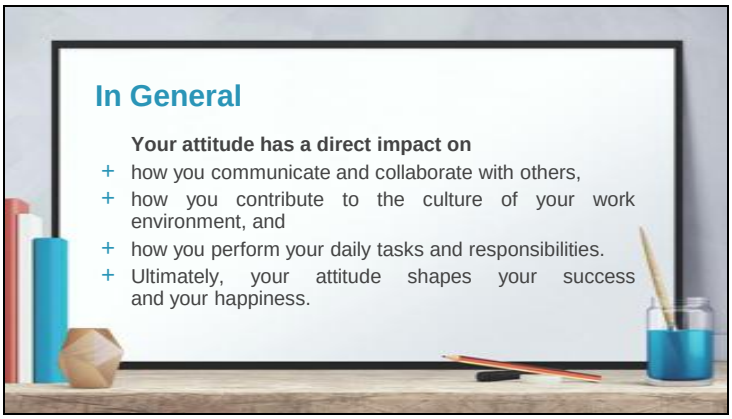

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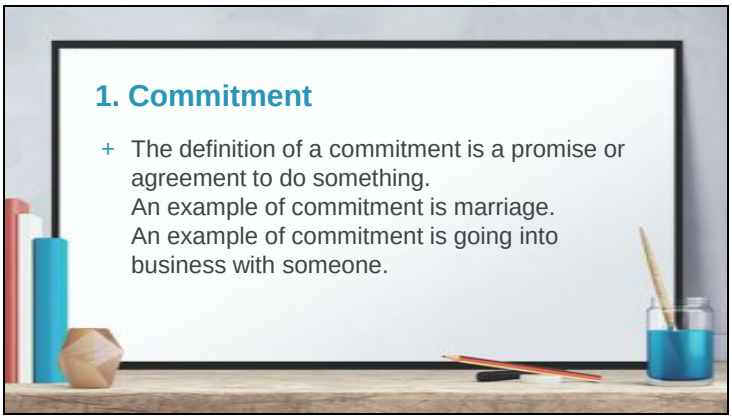

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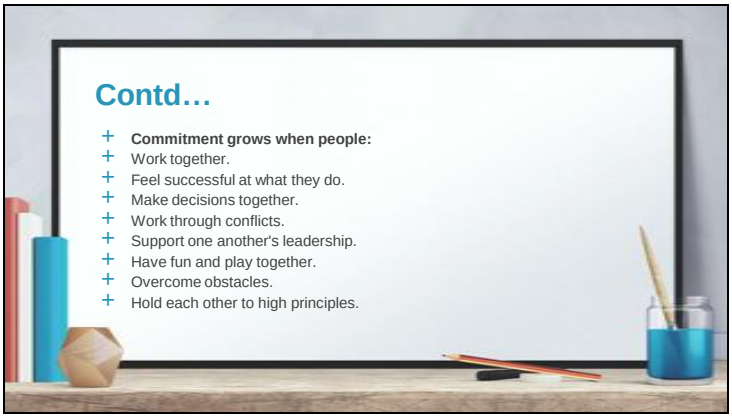


Slide 15

Slide 16

2.Honesty

+ Being **honest** is being open, trustworthy and truthful. When people are **honest**, they can be relied on not to lie, cheat, or steal. **Honesty** is telling the truth.

Slide 17

Contd…

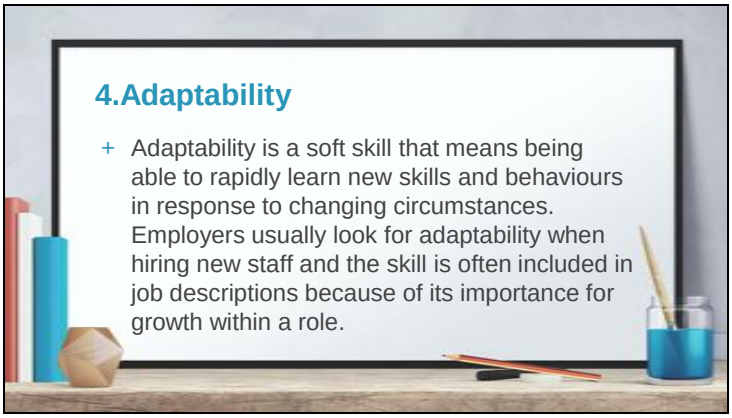
Slide 18

3.Trustworthiness

+ The ability to be relied on as honest or truthful.

Slide 19

Slide 20



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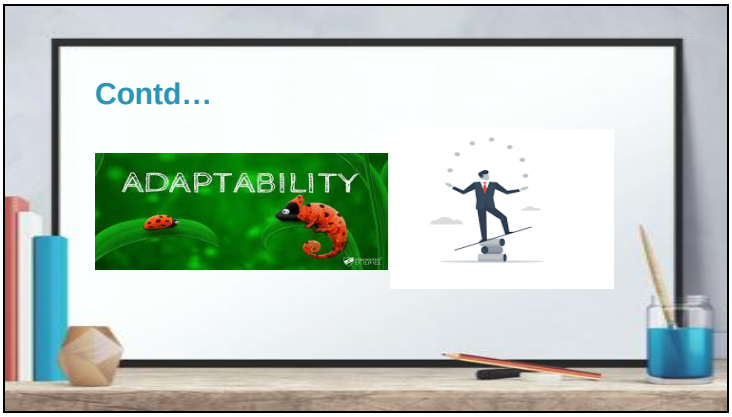

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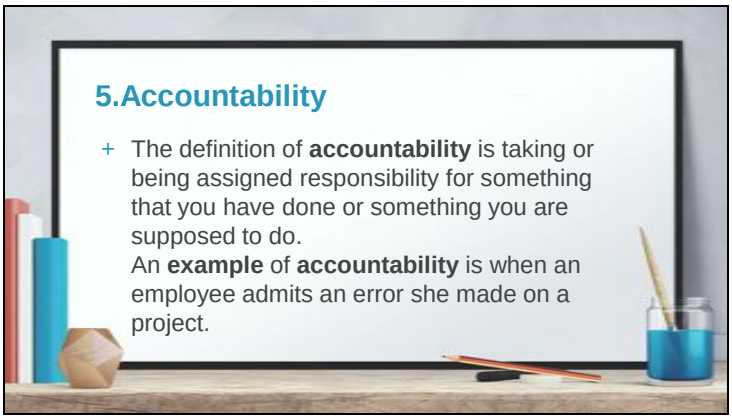

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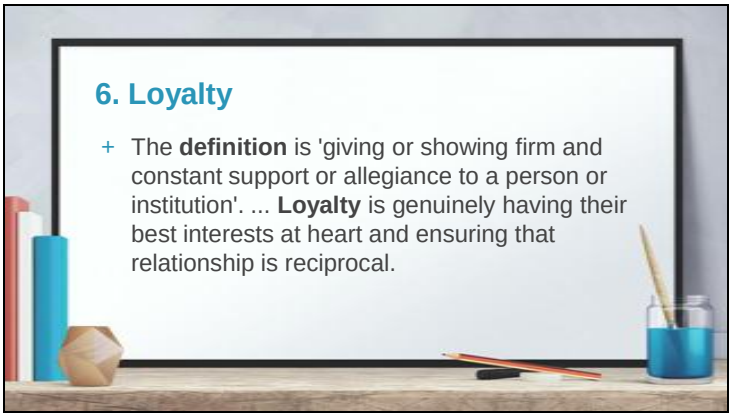

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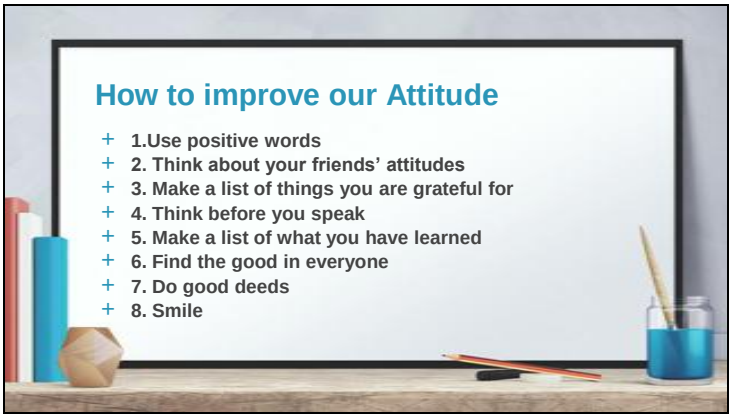

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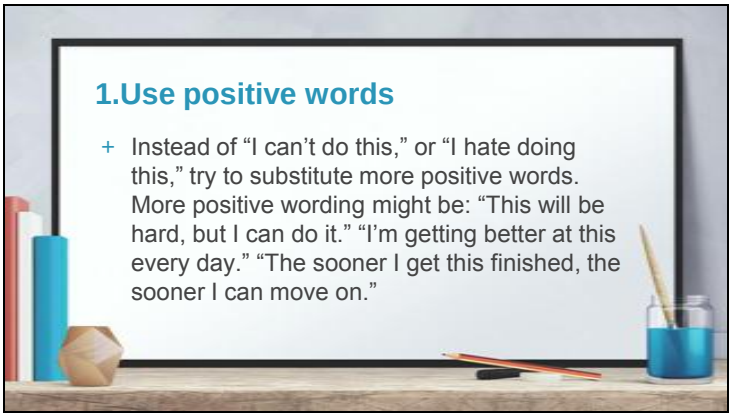

Slide 28

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25 Positive Words

1. Definitely
2. Absolutely
3. Certainly
4. Exactly
5. Completely
6. Quickly
7. Fantastic
8. Great
9. Marvellous
10. Excellent
11. Enjoy
12. Splendid
13. Essential
14. Generous
15. Recommend
16. Friendly
17. Impressive
18. Interesting
19. Brilliant
20. Exciting
21. Terrific
22. Fascinating
23. Expert
24. Favourite
25. Ideal

Slide 29

2. Think about your friends' attitudes

+ Are you hanging out with people who have negative attitudes? Do you have big gripe sessions where everyone complains? Do your friends gossip about others and put people down? Try to change this pattern so that the negative vibes don't bring you down.

Slide 30

Contd…

Slide 31

3. Make a list of things you are grateful for

+ Taking some time to feel grateful can improve your attitude. Make a list of the ways in which you are lucky. It might include your friends or family members, your good health, your house or apartment, or any other things in your life that are going well.ap

Slide 32

Contd..

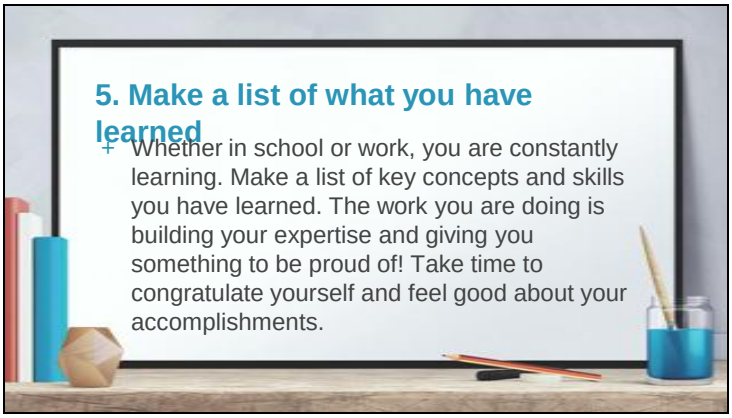
Slide 33

4. Think before you speak

+ Spend a whole day monitoring what you say. Is everything that comes out of your mouth something negative? If so, pause before you speak, and think a way to re-frame it in a positive light. This is especially important if you are prone to anger or outbursts. Always give yourself a moment to think and breathe, and this can help stop the outburst.

Slide 34

Slide 35



Slide 36

Slide 37

6. Find the good in everyone

+ If you find yourself being too harsh or judgmental on other people, take a step back. All of us have our share of positive and negative traits. Try looking for the positive traits in your classmates or co-workers, and enjoy them for who they are.

Slide 38

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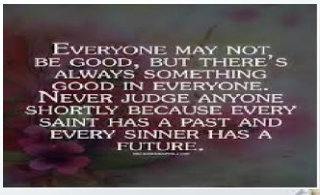

Slide 39

7. Do good deeds

+ Sometimes the smallest favors can reap the best rewards. Hold the door for someone. Let a driver in your lane when they are stuck in traffic. Compliment a classmate on their clothing or hair. Text a positive message to a friend. “Doing good” can often make you feel good, and that’s the first step to developing a positive attitude.

Slide 40

Slide 41

Slide 42

Slide 43

Slide 44

3. The following training programmes were conducted for all Second Year Students through off line mode by our staff members from 09.04.2022 to 07.05.2022.

Copy of Schedule

Virudhunagar S.Vellaichamy Nadar Polytechnic College (Autonomous), Virudhunagar-626001.

TRAINING CELL

CIRCULAR

23.03.2022

The OFFLINE TRAINING schedule for All II YEAR STUDENTS is given below. The concerned department coordinators are instructed to inform the same to all II YEAR STUDENTS without fail. The Trainers and Students are advised to strictly follow the COVID-19 protocol.

S.No	DATE & TIME	BATCH-I (MECH-A)	BATCH-II (MECH-B)	BATCH-III (EEE-A)	BATCH-IV (EEE-B & CIVIL)	BATCH-V (ECE, CT)	BATCH-VI (GT,MOP&PT)
		TOPIC & RESOURCE PERSON	TOPIC & RESOURCE PERSON	TOPIC & RESOURCE PERSON	TOPIC & RESOURCE PERSON	TOPIC & RESOURCE PERSON	TOPIC & RESOURCE PERSON
1.	09.04.2022 11.00 AM - 12.40 PM	ENRICHING ORAL COMMUNICATION (Miss V Mugila, Lecturer/English)	APTITUDE TRAINING (Mr.M.Manikandan-Lecturer-Mech) (Mr.M.Kalidosshabu-Lecturer(SS)/CT) (Mr.D.Raja-Lecturer/Mech)	APTITUDE TRAINING (Mrs.S.A.Amutha-Lecturer(SS)/EEE) (Mr.D.Saravanakumar, Lecturer/EEE)	ENRICHING ORAL COMMUNICATION (Mrs.C.Priya, Lecturer/Civil)	APTITUDE TRAINING (Mr.K.Ramalingam-Lecturer/CT) (Mr.C.Nagarajan-Lecturer/ECE)	APTITUDE TRAINING (Mrs.R.Priyanka-Lecturer/GT) (Mr.A.VenkateshBoopathy-Lecturer/MOP)
2.	23.04.2022 11.00 AM - 12.40 PM	APTITUDE TRAINING (Mr.B.Jahind-Lecturer/Maths) (Mr.S.Yuvaraj,-Lecturer/Mech) (Mr.G.Arangadurai-Lecturer(SG-I)/PT)	APTITUDE TRAINING (Mr.M.Manikandan-Lecturer-Mech) (Mr.M.Kalidosshabu-Lecturer(SS)/CT) (Mr.D.Raja-Lecturer/Mech)	ENRICHING ORAL COMMUNICATION (Miss V Mugila, Lecturer/English)	APTITUDE TRAINING (Mrs.C.Priya-Lecturer/Civil) (Mr.Y.Ajayshankar-Lecturer/PT)	APTITUDE TRAINING (Mr.K.Ramalingam-Lecturer/CT) (Mr.C.Nagarajan-Lecturer/ECE)	APTITUDE TRAINING (Mrs.R.Priyanka-Lecturer/GT) (Mr.A.VenkateshBoopathy-Lecturer/MOP)
3.	30.04.2022 11.00 AM - 12.40 PM	APTITUDE TRAINING (Mr.B.Jahind-Lecturer/Maths) (Mr.S.Yuvaraj,-Lecturer/Mech) (Mr.G.Arangadurai-Lecturer(SG-I)/PT)	APTITUDE TRAINING (Mr.M.Manikandan-Lecturer-Mech) (Mr.M.Kalidosshabu-Lecturer(SS)/CT) (Mr.D.Raja-Lecturer/Mech)	APTITUDE TRAINING (Mrs.S.A.Amutha-Lecturer(SS)/EEE) (Mr.D.Saravanakumar, Lecturer/EEE)	APTITUDE TRAINING (Mrs.C.Priya-Lecturer/Civil) (Mr.Y.Ajayshankar-Lecturer/PT)	APTITUDE TRAINING (Mr.K.Ramalingam-Lecturer/CT) (Mr.C.Nagarajan-Lecturer/ECE)	ENRICHING ORAL COMMUNICATION (Miss V Mugila, Lecturer/English)
4.	07.05.2022 11.00 AM - 12.40 PM	APTITUDE TRAINING (Mr.B.Jahind-Lecturer/Maths) (Mr.S.Yuvaraj,-Lecturer/Mech) (Mr.G.Arangadurai-Lecturer(SG-I)/PT)	APTITUDE TRAINING (Mr.M.Manikandan-Lecturer-Mech) (Mr.M.Kalidosshabu-Lecturer(SS)/CT) (Mr.D.Raja-Lecturer/Mech)	APTITUDE TRAINING (Mrs.S.A.Amutha-Lecturer(SS)/EEE) (Mr.D.Saravanakumar, Lecturer/EEE)	APTITUDE TRAINING (Mrs.C.Priya-Lecturer/Civil) (Mr.Y.Ajayshankar-Lecturer/PT)	ENRICHING ORAL COMMUNICATION (Miss V Mugila, Lecturer/English)	APTITUDE TRAINING (Mrs.R.Priyanka-Lecturer/GT) (Mr.A.VenkateshBoopathy-Lecturer/MOP)
5.	21.05.2022 11.00 AM - 12.40 PM	APTITUDE TRAINING (Mr.B.Jahind-Lecturer/Maths) (Mr.S.Yuvaraj,-Lecturer/Mech) (Mr.G.Arangadurai-Lecturer(SG-I)/PT)	ENRICHING ORAL COMMUNICATION (Miss V Mugila, Lecturer/English)	APTITUDE TRAINING (Mrs.S.A.Amutha-Lecturer(SS)/EEE) (Mr.D.Saravanakumar, Lecturer/EEE)	APTITUDE TRAINING (Mrs.C.Priya-Lecturer/Civil) (Mr.Y.Ajayshankar-Lecturer/PT)	APTITUDE TRAINING (Mr.K.Ramalingam-Lecturer/CT) (Mr.C.Nagarajan-Lecturer/ECE)	APTITUDE TRAINING (Mrs.R.Priyanka-Lecturer/GT) (Mr.A.VenkateshBoopathy-Lecturer/MOP)

PRINCIPAL

CHAIRMAN

Copy to: Chairman, Governing Council

Copy to: VP, All HODs, Training Coordinator, Individuals & file

S.No	Topic	Period	No of Sessions	Target
1.	**APTITUDE TRAINING**	09.04.2022 to 07.05.2022	24	All Second Year Students
2.	**ENRICHING ORAL COMMUNICATION**	09.04.2022 to 07.05.2022	06	

APTITUDE TRAINING (09.04.2022 TO 07.05.2022)

APTITUDE TRAINING & ENRICHING ORAL COMMUNICATION
(09.04.20222 TO 07.05.2022)

APTITUDE TRAINING (09.04.20222 TO 07.05.2022)

APTITUDE TRAINING (09.04.20222 TO 07.05.2022)

ENRICHING ORAL COMMUNICATION (09.04.2022 TO 07.05.2022)

APTITUDE TRAINING AND ENRICHING ORAL COMMUNICATION - FEEDBACK

Virudhunagar S.Vellaichamy Nadar Polytechnic College (Autonomous), Virudhunagar-626001.
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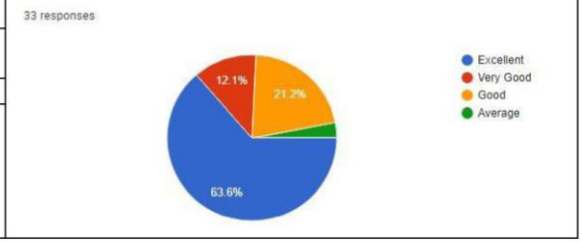
TRAINING CELL

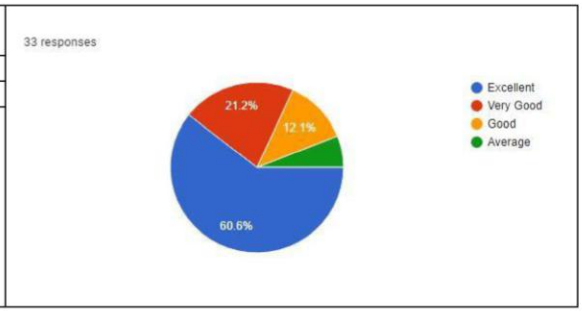
SECOND YEAR TRAINING PROGRAMMES - FEEDBACK REPORT

BATCH-I

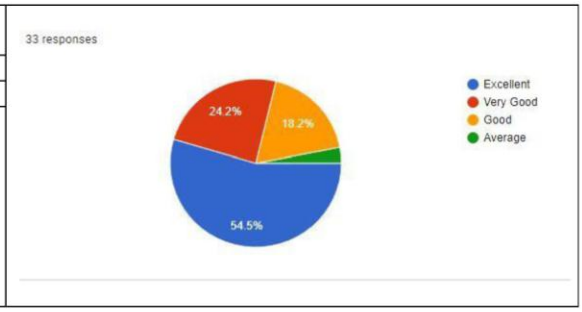
Resource person	Miss.V.MUGILA LECTURER/ENGLISH
Topic	ENRICHING ORAL COMMUNICATION
Date	09-04-2022 to 07-05-2022
Target group	MECHANICAL –A BATCH



Resource person	Mr.B.JAIHIND LECTURER/MATHS
Topic	APTITUDE TRAINING
Date	09-04-2022 to 07-05-2022
Target group	MECHANICAL –A BATCH



Resource person	Mr.S.YUVARAJ LECTURER/MECHANICAL
Topic	APTITUDE TRAINING
Date	09-04-2022 to 07-05-2022
Target group	MECHANICAL –A BATCH



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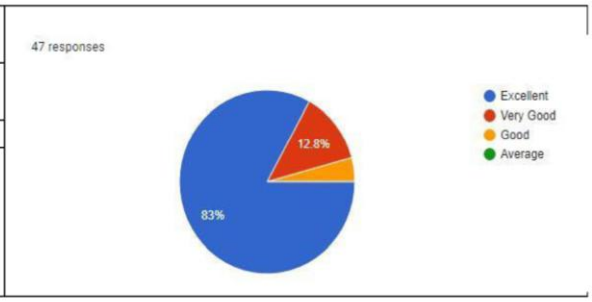
TRAINING CELL

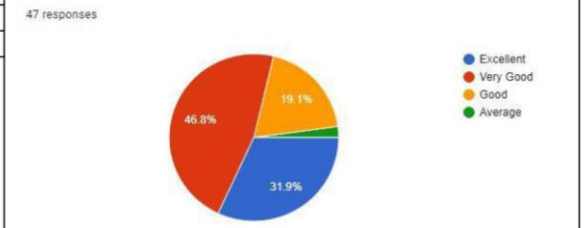
SECOND YEAR TRAINING PROGRAMMES - FEEDBACK REPORT

BATCH-II

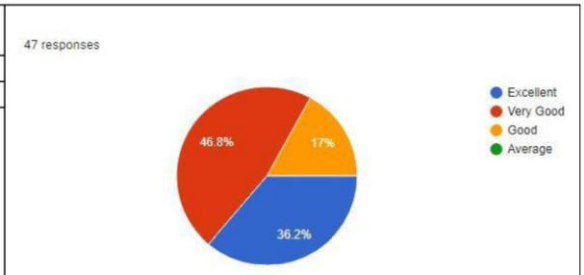
Resource person	Dr.B.SARAVANAN LECTURER(SS)/MECHANICAL
Topic	ENRICHING ORAL COMMUNICATION
Date	09-04-2022 to 07-05-2022
Target group	MECHANICAL –B BATCH



Resource person	Mr.A.ARUNKUMAR LECTURER/MECHANICAL
Topic	APTITUDE TRAINING
Date	09-04-2022 to 07-05-2022
Target group	MECHANICAL –B BATCH



Resource person	Mr.M.MANIKANDAN LECTURER/MECHANICAL
Topic	APTITUDE TRAINING
Date	09-04-2022 to 07-05-2022
Target group	MECHANICAL –B BATCH



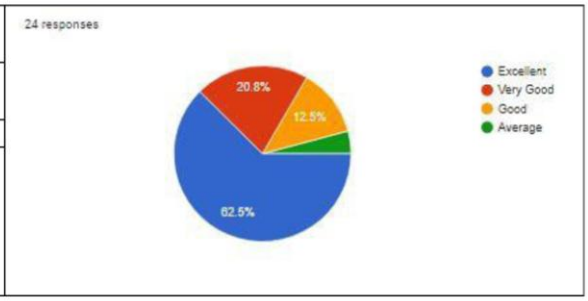
Virudhunagar S.Vellaichamy Nadar Polytechnic College (Autonomous), Virudhunagar-626001.
(Affiliated to Directorate of Technical Education ,Chennai-25)
(ISO 9001:2015 Certified Institution)

TRAINING CELL

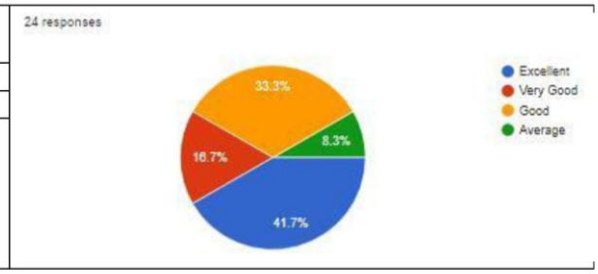
SECOND YEAR TRAINING PROGRAMMES - FEEDBACK REPORT

BATCH-III

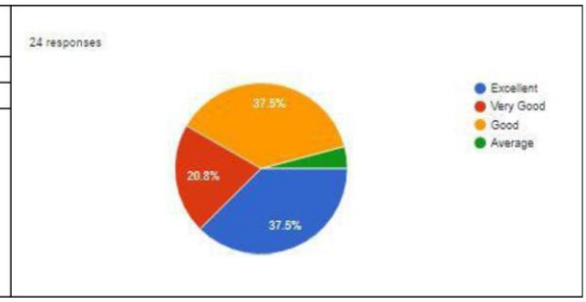
Resource person	**Miss.V.MUGILA LECTURER/ENGLISH**
Topic	**ENRICHING ORAL COMMUNICATION**
Date	**09-04-2022 to 07-05-2022**
Target group	**EEE- A BATCH**



Resource person	**Mrs.S.A.AMUTHA LECTURER(SS)/EEE**
Topic	**APTITUDE TRAINING**
Date	**09-04-2022 to 07-05-2022**
Target group	**EEE- A BATCH**



Resource person	**Mr.D.SARAVANAKUMAR LECTURER/EEE**
Topic	**APTITUDE TRAINING**
Date	**09-04-2022 to 07-05-2022**
Target group	**EEE- A BATCH**



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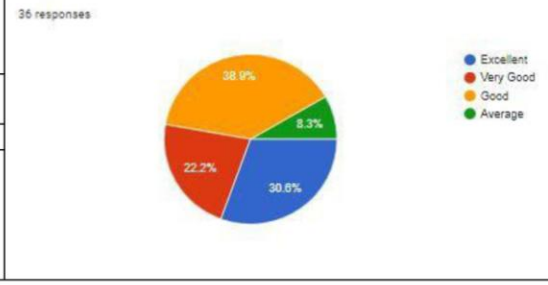
TRAINING CELL

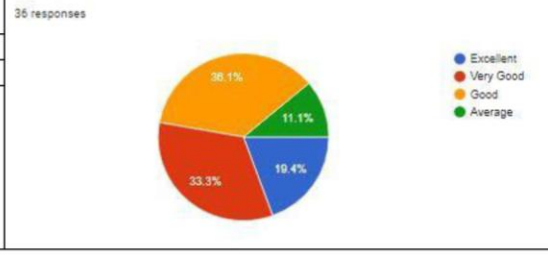
SECOND YEAR TRAINING PROGRAMMES - FEEDBACK REPORT

BATCH-IV

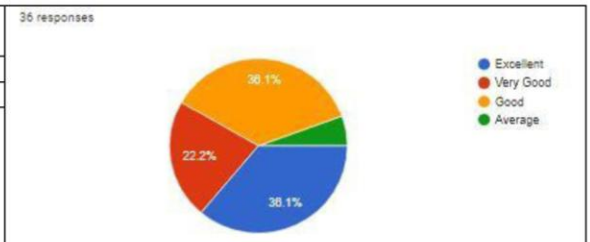
Resource person	Mrs.C.PRIYA LECTURER/CIVIL Mr.G.ARANGADURAI LECTURER(SS)/PLASTIC
Topic	ENRICHING ORAL COMMUNICATION
Date	09-04-2022 to 07-05-2022
Target group	EEE –A BATCH & CIVIL



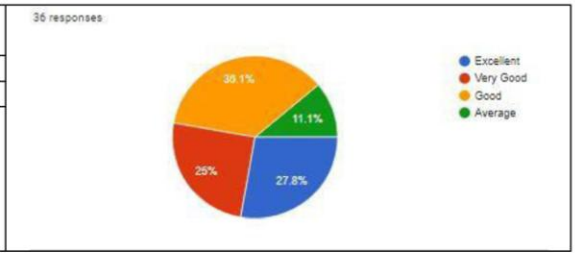
Resource person	Mrs.C.PRIYA LECTURER/CIVIL
Topic	APTITUDE TRAINING
Date	09-04-2022 to 07-05-2022
Target group	EEE –A BATCH & CIVIL



Resource person	Mr.Y.AJAY SHANKAR LECTURER/PLASTIC
Topic	APTITUDE TRAINING
Date	09-04-2022 to 07-05-2022
Target group	EEE –A BATCH & CIVIL



Resource person	Mr.K.PANDIARAJAN LECTURER/CIVIL
Topic	APTITUDE TRAINING
Date	09-04-2022 to 07-05-2022
Target group	EEE –A BATCH & CIVIL



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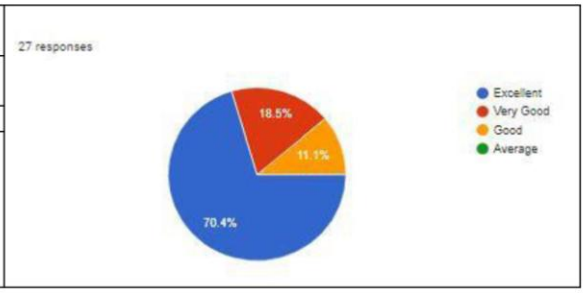
TRAINING CELL

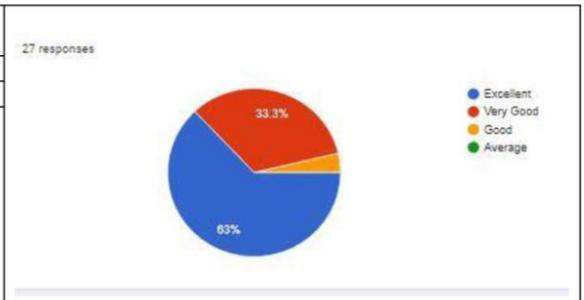
SECOND YEAR TRAINING PROGRAMMES - FEEDBACK REPORT

BATCH-V

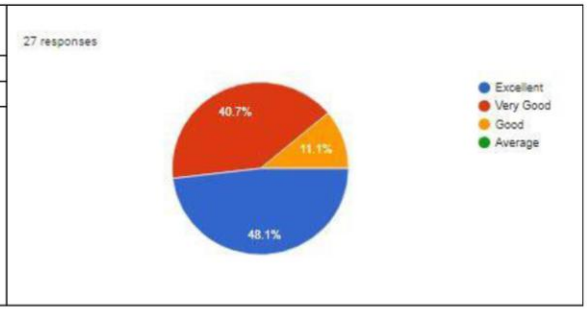
Resource person	**Miss.V.MUGILA LECTURER/ENGLISH**
Topic	**ENRICHING ORAL COMMUNICATION**
Date	**09-04-2022 to 07-05-2022**
Target group	**ECE & COMPUTER**



Resource person	**Mr.K.RAMALINGAM LECTURER/COMPUTER**
Topic	**APTITUDE TRAINING**
Date	**09-04-2022 to 07-05-2022**
Target group	**ECE & COMPUTER**



Resource person	**Mr.C.NAGARARAJAN LECTURER/ECE**
Topic	**APTITUDE TRAINING**
Date	**09-04-2022 to 07-05-2022**
Target group	**ECE & COMPUTER**



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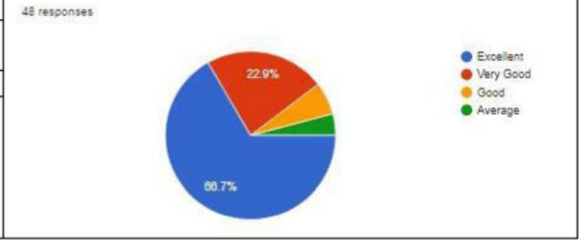
TRAINING CELL

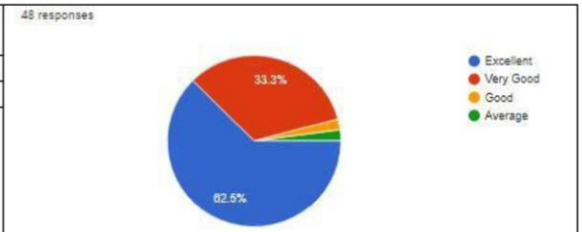
SECOND YEAR TRAINING PROGRAMMES - FEEDBACK REPORT

BATCH-VI

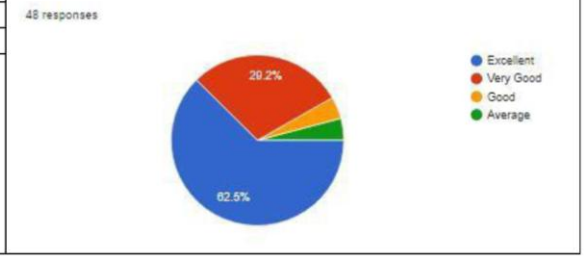
Resource person	Miss.V.MUGILA LECTURER/ENGLISH
Topic	ENRICHING ORAL COMMUNICATION
Date	09-04-2022 to 07-05-2022
Target group	MOP , GT & PT



Resource person	Mrs.R.PRIYANKA LECTURER/GT
Topic	APTITUDE TRAINING
Date	09-04-2022 to 07-05-2022
Target group	MOP , GT & PT



Resource person	Mr.A.VENKATESH BOOPATHY LECTURER/MOP
Topic	APTITUDE TRAINING
Date	09-04-2022 to 07-05-2022
Target group	MOP , GT & PT



SAMPLE TRAINING MATERIAL

Virudhunagar S.Vellaichamy Nadar Polytechnic College (Autonomous), Virudhunagar-626001.

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TRAINING CELL

Aptitude Training

SESSION 1

Unit : 1 PROBLEMS ON NUMBERS

1. The sum of two numbers is 100 and their difference is 37. What is the difference of their squares?

2. The ratio between the squares of two consecutive numbers is 35. Find the numbers?

3. Three fourth of one-fifth of a number is 60. Find the number?

4. If one-fifth of a number decreased by 5 is 5, then the number is:

5. $4/5^{th}$ of a certain number is 64. Find half of that number?

6. The sum of two numbers is twice their difference. If the 2^{nd} numbers is 10 then find the 1^{st} number?

7. The sum of three consecutive odd numbers is 57. Find the middle one?

8. The sum of three numbers is 68. If the ratio between first and second were 2 : 3 and that between second and third be 5 : 3, then Find the second number?

9. Two numbers are such that the ratio between them is 3 : 5. If each number is increased by 10, then the ratio between them becomes 5 : 7, find the numbers?

10. What least value must be in the place of * so that the number 84705*2 is divisible by 9 ?

Exercise – 1 (Objective Type Questions)

1. The number which when added to 10 times itself gives 264. Find the number?

a) 26.4 b) 24 c) 25 d) 25.5

2. $4/5^{th}$ of a certain number is 80. Find $1/4^{th}$ of that number?

a) 25 b) 80 c) 120 d) 60

3. $1/4^{th}$ of $1/3^{rd}$ of $2/5^{th}$ of a number is 15. What will be 40% of that number?

a) 180 b) 120 c) 450 d) 270

4. What is the face value of 6 in the numerical 4682 ?

a) 6 b) 60 c) 600 d) 46

5. $4/5^{th}$ of number exceeds its $1/4^{th}$ by 11. What is the number?

a) 20 b) 50 c) 100 d) 25

6. The sum of two numbers is twice their difference. If one of the number is 10, then what will be the other number?

a) 30 b) 10/3 c) 30 or 10/3 d) – 30

7. If one fourth of one third of one half of a number is 15. What is 10% of that number?

a) 360 b) 210 c) 72 d) 36

8. A girl was asked to find 4/5 of a number. By mistake, she divides the number by 4/5 and got an answer, which exceeded the correct answer by 9/20. What is the number?

a) 2 c) 20 c) 1 d) 10

9. Two fifth of two third of one fourth of a number is 24. What is 200% of that number?

a) 720 b) 360 c) 180 d) 90

10. The sum of three consecutive even numbers is 72 then what is the first number?

a) 19 b) 20 c) 24 d) 22

*****

Unit : 2 ***PERCENTAGE***

1. If 31% of a number is 46.5, then find the number?

2. After spending 40% in machinery, 25% in building, 15% of material and 5 % on furniture, Harilal had a balance of Rs.1305. Find the money with him?

3. After deducting a commission of 5% a T.V. set costs Rs.9595. What is the gross value?

4. In an examination, 65% of the total examinees passed. If the number of failures is 420, find the total number of examinees?

5. In an examination, it is required to get 36% of maximum marks to pass. A student got 113 marks and declared failed by 85 marks. Find the maximum marks?

6. In an examination, 42% students failed in Hindi and 52% failed in English. If 17% failed in both the subjects, the percentage of those who passed in both the subject is:

7. In a college election, a candidate secured 62% of the votes and is elected by a majority of 144 votes. Find the total number of votes polled?

8. What will be 80 per cent of a number whose 200 per cent are 90?

9. I spend 30% of my salary on food and 20% of the remaining on transport. If I save Rs. 700 per month, which is half of the balance after spending on food & transport. What is my monthly Salary?

10. The boys and girls in a college are in ratio 3:2. If 20% of boys & 25% of girls are fail, then what is the passed percentage?

Exercise – 2 (Objective Type Questions)

1. The price of cooking oil has increased by 25%. The percentage of reduction that a family should effect in the use of cooking oil so as not to increase the expenditure on this account is

a) 15% b) 25% c) 20% d) 30%

2. When the price of the fans was reduced by 20%, the number of fans sold increased by 40%. What was the effect on the revenue received by the shopkeeper?

a) 12% decrease b) 12% increase c) 40% increase d) 30% increase

3. Two numbers are less than a third number by 30% and 37% respectively. How much percent is the second number less than the first?

a) 7% b) 10% c) 4% d) 3%

4. The value of the machinery depreciates 10% annually. What will be its value 2 years hence if the present value is Rs. 4000 ?

a) Rs. 3200 b) Rs. 3240 c) Rs. 3260 d) Rs. 3280

5. The population of a town is 8000. It increases by 10% during first year and 20% during second year. What will be the population after 2 years?

a) 10400 b) 10560 c) 10620 d) None of these.

6. At an election, a candidate secures 40% of the votes but is defeated by the other candidate by a majority of 298 votes. What was the total number of votes recorded?

a) 1360 b) 1490 c) 1520 d) 1602

7. If the side of the square is increased by 25%, then how much percent does its area get increased?

a) 56.25 b) 50 c) 125 d) 156.25

8. The length and breadth of a square are increased by 30% and 20% respectively. The area of the rectangle so formed exceeds the area of the square by :

a) 20% b) 36% c) 50% d) 56%

9. If the edges of a cube are doubled, its volume is increased by

a) 300 % b) 400 % c) 700 % d) 800 %

10. A mixture of 40 litres of milk and water contains 10% water. How much water should be added to this so that water may be 20% in the new mixture?

a) 5 litres b) 4 litres c) 6.5 litres d) 7.5 litres

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TRAINING CELL

Aptitude Training

SESSION 2

Unit : 3 **AVERAGE**

1. The average of 30 results is 20 and the average of 20 results is 30. What is the average of all the results ?

2. Find the average of odd numbers upto 100?

3. The average age of three boys is 15 years. If their ages are in the ratio 3 : 5 : 7 then find the age of the youngest boy ?

4. The average height of 30 girls out of a class of 40 is 160 cm and that of the remaining girls is 156 cm. Find the average of whole class ?

5. The average of 8 numbers is 21. If each of the numbers is multiplied by 8, then find the average of new set of numbers ?

6. The average of 50 numbers is 38. If two numbers, namely 45 and 55 are discarded, then find the average of the remaining numbers ?

7. A man goes to a place at the rate of 4 km/ph . He comes back on a bicycle at 16 km/ph. Find his average speed for the whole journey?

8. The average age of 24 students in a class is 10. If the teacher's age is included, the average increases by one then find the age of the teacher ?

9. In a examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. A student attempts all the 100 questions and scores 210 marks. Find the number of questions he answered correctly?

10. The average age of boys in the class is twice the number of girls in the class. If the ratio of boys and girls in the class of 36 be 5 : 1. What is the total of the ages of the boys in the class?

Exercise – 3 (Objective Type Questions)

1. Out of three numbers, the first is twice the second and is half of the third. If the average of the three numbers is 56, then find three numbers?

a) 48,96,24 b) 48,24,96 c) 96,24,48 d) 96,48,24

2. Of the three numbers, second is twice the first and is also thrice the third. If the average of the three

numbers is 44, find the largest number?

a) 24 b) 36 c) 72 d) 108

3. The average age of an adult class is 40 years. 12 new students with average age of 32 years join the class, thereby decreasing the average the class by 4 years. Find the original strength of the class?

a) 10 b) 11 c) 12 d) 15

4. A ship sails out to a mark at the rate of 15 Km/hr and sails back at the rate of 10 km/hr. Find the rate of sailing?

a) 12.5 Km/hr b) 12 Km/hr c) 25 Km/hr d) 5 Km/hr

5. The average consumption of petrol for a car for seven months is 110 litres and for next five months it is 86 litres. Find the average monthly consumption?

a) 98 litres b) 100 litres c) 102 litres d) 96 litres

6. The average weight of A, B & C is 45 Kg. If the average of A and B be 40 Kg and that of average of B and C be 43 Kg, then find the weight of B ?

a) 17 Kg b) 20 Kg c) 26 Kg d) 31 Kg

7. The average of the daily income of A, B and C is Rs. 60. If B earns Rs. 20 more than C and A earns double of what C earns, then find the daily income of C ?

a) Rs. 40 b) Rs. 60 c) Rs. 75 d) none of these.

8. A batsman has a certain average runs for 11 innings. In the 12^{th} innings he made his score of 90 runs and thereby decreases his average by 5. Find his average after 12^{th} inning?

a) 135 b) 140 c) 145 d) 150

9. A cricketer scored 180 runs in the first test and 258 runs in the second. How many runs should he score in the third test so that his average score in the three tests would be 230 runs?

a) 219 b) 242 c) 334 d) none of these.

10. The average weight of 8 men is increased by 2.5kg when one of them whose weight is 56 kg is replaced by a new man. Find the weight of the new man ?

a) 76 b) 74 c) 72 d) 70

*****

Unit : 4 ***RATIO AND PROPORTION***

1. If A : B = 2 : 3 and B : C = 4 : 5 , then C : A is equal to

2. If A : B = 2 : 3, B : C = 4 : 5 and C : D = 6 : 7 then A : D is equal to

3. A bag contains 25 paise, 10 paise and 5 paise coins in the ratio 1 : 2 : 3. If their total value is Rs.30. Find the number of 5 paise coins ?

4. The monthly salary of A, B, C is in proportion of 2 : 3 : 5. If C's monthly salary is Rs.1200 more than that of A then what is B's annual salary ?

5. Three friends divide Rs.624 among themselves in the ratio ½ : $^1/_3$: $^1/4$ Find A's share ?

6. In a class, the number of boys is more than the number girls by 12% of the total strength. Find the ratio of boys to girls ?

7. The ratio of money with Ram and Gopal is 7 : 17 and that with Gopal and Krishan is 7 : 17. If Ram has Rs.490, Krishan has :

8. The speeds of three cars are in the ratio 3 : 4 : 5. Find the ratio between times taken by them to travel the same distance?

9. 3/4th of a water tank is full of water. If 5 lit are added to it then 4/5th of the tank becomes full. What is the capacity of the tank?

10. Ravi has 1500 pencils. He gave 2/3rd of them to his friend Sankar. Sankar returns 1/4th of what he receives to Ravi. What is the difference in the number of pencils they have?

Exercise – 4 (Objective Type Questions)

1. The ratio between two numbers is 3 : 4 and their L.C.M. is 180. Find the first number?
   a) 15 b) 45 c) 30 d) 60

2. In a mixture of 60 litres, the ratio of milk and water is 2 : 1, what amount of water must be added to make the ratio 1 : 2 ?
   a) 20 b) 40 c) 60 d) 80

3. The ratio of zinc and copper in a brass piece is 13 : 7. How much zinc will be there in 100 kg of such a piece?
   a) 65 b) 55 c) 35 d) 45

4. The ratio of father's age to son's age is 4 : 1. The product of their ages is 196. Find the ratio of their ages after 5 years ?
   a) 28 : 7b) 30 : 9 c) 32 : 8 d) 11 : 4

5. In the ratio which is equal to 7 : 8, if the antecedent is 105, what is the consequent?
   a) 120 b) 110 c) 100 d) 90

6. The ratio between two numbers is 2 : 3. If each number is increased by 4, the ratio between them becomes 5 : 7. What are the numbers?
   a) 4, 6 b) 8, 12 c) 16, 24 d) 18, 24

7. What must be added to each term of the ratio 7 : 13 so that the ratio becomes 2 : 3?
   a) 5 b) 7 c) 9 d) 11

8. In a mixture of 35 litres, the ratio of milk and water is 4 : 1. Another 7 litres of water is added to the mixture. Find the ratio of milk and water in the resulting mixture?
   a) 3 : 1 b) 2 : 1 c) 1 : 2 d) 1 : 3

9. 20 litres of a mixture contains milk and water in the ratio 3 : 1. How much milk must be added to this mixture to have a mixture containing milk and water in the ratio 4 : 1?
   a) 5 b) 4 c) 6 d) None of these

10. Rs.385 has been divided A, B and C in such a way that A receives $2/9^{th}$ of what B and C together receive. Find A's share?
    a) Rs.77b) Rs.70c) Rs.82.50 d) Rs.85

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TRAINING CELL

Aptitude Training

SESSION 3

Unit : 5 TIME & WORK

1. A can do a piece of work in 30 days while B can do it in 40 days. In how many days can A and B working together does it?

2. A and B can together do a piece of work in 15 days. B alone can do it in 20 days. In how many days can A alone do it?

3. A and B can do a piece of work 18 days; B and C in 24 days; C and A in 36 days. In what time can they do it all working together?

4. A, B and C together earn Rs.150 per day while A and C together Rs. 94 and B and C together earn Rs.76. Find the daily earning of C?

5. A alone can finish a work in 10 days and B alone can do it in 15 days. If they work together and finish it, then out of a total wages of Rs.7000 A will get :

6. A sum of money is sufficient to pay A's wages for 21 days or B's wages for 28 days. Find the money is sufficient to pay the wages of both?

7. 12 men or 18 women can reap a field in 14 days. The number of days that 8 men and 16 women will take to reap it, is :

8. A can do $3/4^{th}$ of the work in 12 days. In how many days can he finish $1/8^{th}$ of the work?

9. X can copy 80 pages in 20 hours, X and Y can copy 135 pages in 27 hours. In what time can Y copy 20 pages?

10. A temporary worker engaged on a contract basis is paid Rs 10 per day, he attends work & Rs 5 is deducted from his salary, as a fine, every day he remains absent. If in a month of 30 working days he earned Rs. 240. For how many days he was absent?

Exercise – 5 (Objective Type Questions)

1. A can do a piece of work in 12 days and B alone can do it in 12 days. How much time both will take to finish the work?

a) 12 b) 9 c) 10 d) 6

2. A and B together can do a piece of work in 12 days, B alone can finish it in 30 days. In how many days can A alone finish the work?

a) 25 b) 20 c) 18 d) None of these.

3. A can do a piece of work in 25 days and B can finish it in 20 days. They work together for 5 days and then A goes away. In how many days will B finish the work?

a) 20 b) 21 c) 16 d) 11

4. A can do a piece of work in 12 days while B alone can do it 15 days. With the help of C they finish it in 5 days. In how many days will C alone finish the work?

a) 20 b) 21 c) 16 d) 11

5. A can do a piece of work in 20 days, while B alone can do it in 25 days. B worked for 10 days and left. In how many days, A will now finish the remaining work?

a) 10 b) 12 c) 14 d) 16

6. A can do a piece of work in 24 days, while B alone can do it in 16 days. With the help of C they finish the work in 8 days. Find in how many days C alone can do the work?

a) 40 b) 48 c) 36 d) 24

7. A and B can together finish a job in 12 days while A, B and C can finish it in 8 days. C alone will finish the job in :

a) 20 b) 14 c) 24 d) 16

8. A can complete a job in 9 days, B in 10 days and C in 15 days. B and C start the work and are forced to leave after 2 days. Find time taken to complete the remaining work?

a) 13 b) 10 c) 9 d) 6

9. Ramesh can finish a job in 20 days. He worked for 10 days alone and completed the remaining job working with Dinesh, in 2 days. How many days would Dinesh and Remesh together take to complete the entire job?

a) 4 b) 5 c) 10 d) 12

10. If 12 men can build a wall 45m long in 10 days. How many men can build a wall 75m long in 8 days?

a) 25 b) 20 c) 21 d) None of these.

*****

Unit : 6 TIME & DISTANCE

Formulae :

(i) Total Distance Covered = Speed x Total Time taken

(ii) To convert a speed in Km/hr to metre per second, we multiply it by 5/18

(iii) To convert a speed in metre per second to Km/hr, we multiply it by 18/5

(iv) If the speed of a body is changed in the ratio a : b, then the ratio of the time taken changes as b : a

(v) Stoppage time per hour = Difference in speed / Faster speed.

1. If a man covers 10.2 km in 3 hours, the distance covered by him in 5 hours is :

2. A train is moving with a speed of 92.4 km/hr. How many meters will it cover in 10 minutes?

3. If a man takes 4 hours to cover a distance of 15 km. how much time will be needed to cover 63 km at the same speed :

4. Two cyclists A and B start from the same place at the same time, one going towards north at 18 km/hr and other going towards south at 20 km/hr. What time will they take to be 95 km apart?

5. A man performs $2/15^{th}$ of the total journey by train, 9/20 by bus and the remaining 10 km on foot. Find his total journey?

6. Suresh traveled 1200 km by air, which formed 2/5 of his trip. One third of the whole trip, he travelled by car and the rest of the journey he performed by train. Find the distance travelled by train?

7. A car completes a certain journey in 8 hours. It covers half the distance at 40 km/hr and the rest at 60 km/hr. Find the length of the journey?

8. A thief steals a car at 1.30 p.m. and drives it at 40 km an hour. The theft is discovered at 2 p.m. and the owner sets off in another car at 50 km an hour. He will catch the thief at :

9. The ratio between the rates of walking of A and B is 2 : 3. If the time taken by B to cover a certain distance is 36 minutes, the time taken by A to cover that much distance is :

10. Two men starting from the same place walk at the rate of 4 Km/hr and 4.5 km/hr respectively. What time will they take to be 17 km apart if they walk in opposite direction and they walk in the same direction?

Exercise – 6 (Objective Type Questions)

1. A speed of 6 m/sec is same as :

a) 15.4 km/hr b) 16.5 km/hr c) 21.6 km/hr d) 22.5 km/hr.

2. Ajit takes 4 hours to cover a distance of 9 km. Find the time taken by him to travel 24 km?

a) 10hrs 50mts b) 10hrs 40mts c) 10hrs 30mts d) 9hrs 40mts

3. A man goes to place at the rate of 4 km/hr and he comes back on a bicycle at 16 km/hr. Find his average speed for the entire journey?

a) 5 km/hr b) 6.4 km/hr c) 8.5 km/hr d) 10 km/hr.

4. A man covers a certain distance in 2 hours 45 min, when he walks at the rate of 4 km/hr. How much time will he take to cover the same distance if he runs at a speed of 16.5 km/hr?

a) 40 min b) 41 min c) 45 min c) 100 min

5. A train goes from a station A to another station B at a speed of 64 km/hr but returns to A at a slower speed. If its average speed for the trip is 56 km/hr, then find the return speed of the train approximately?

a) 48 km/hr b) 50 km/hr c) 52 km/hr d) 47.4 km/hr.

6. A car covers four successive three km stretches at speeds of 10 km/hr, 20 km/hr, 40 km/hr and 60 km/hr respectively. Find its average speed over this distance?

a) 10 km/hr b) 20 km/hr c) 30 km/hr d) 25 km/hr.

7. By walking at $3/4^{th}$ of his usual speed, a man reaches his office 20 minutes late than usual Find his usual time?

a) 30 minutes B) 60 minutes C) 75 minutes d) 90 minutes.

8. Ram travels at the rate of 3 km/hr and he reaches 15 minutes late. If he travels at the rate of 4 km/hr, he reaches 15 minutes earlier. Find the distance Ram has to travel?

a) 1 km b) 6 km c) 7 km d) 12 km

9. The ratio between the rates of walking of A and B is 3 : 4. If the time taken by B to cover a distance is 24 minutes, find the time taken by A to cover that much distance?

a) 18 min. b) 32 min. c) 10 min. c) 13 min.

10. A certain distance is covered at a certain speed. If half this distance is covered in double the time, find ratio of the two speeds?

a) 4 : 1 b) 1 : 4 c) 2 : 1 d) 1 : 2

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TRAINING CELL

Aptitude Training

SESSION 4

Unit : 7 *PROFIT AND LOSS*

1. By selling an article for Rs. 100, one gains Rs.10. Then, what is the gain percent ?

2. By selling an article for Rs.100, one loses Rs. 10. What is the loss percent ?

3. A man buys 10 articles for Rs.8 and sells them at the rate of Rs. 1.25 per article. Find his gain percent ?

4. By selling a watch for Rs. 1140, a men loses 5 % . In order to gain 5 % the watch must be sold for :

5. If the selling price of 40 articles is equal to the cost price of 50 articles, then find loss or gain percent ?

6. A dishonest dealer professing to sell at cost price, uses a 900gms weight for a kilogram. What is his gain percent ?

7. Ashok bought 25kg of rice at the rate of Rs.6 per kg and 35 kg of rice at the rate of Rs.7 per kg. He mixed the two and sold the mixture at the rate of Rs.6.75 per kg. What was his gain or loss in the transaction ?

8. The cost of 2 T.V. sets and a radio is Rs.7000, while 2 radios and one T.V. set together cost Rs. 4250. Find the cost of a T.V. set ?

9. An umbrella marked at Rs. 80 is sold for Rs.68. Find the rate of discount ?

10. Profit after selling a commodity for Rs.425 is same as loss after selling it for Rs.355. The cost of the commodity is:

Exercise – 7 (Objective Type Questions)

1. A loss of 5 % was suffered by selling a plot for Rs. 4085. Find the cost price of the plot?
   a) Rs. 4350 b) Rs. 4200 c) Rs. 4300 d) Rs. 4250

2. On selling an article for Rs. 240 a trader loss 4 %. In order to gain 10 % he must sell that article for :
   a) Rs. 264 b) Rs. 273 c) Rs. 275 d) Rs. 280

3. A man purchased a watch for Rs. 400 and sold it at a gain of 20 % of the selling price. Find the selling price of the watch?
   a) Rs. 300 b) Rs. 320 c) Rs. 440 d) Rs. 500

4. By selling a table for Rs. 30 instead of Rs. 40, 5 % more is lost. Find the cost of the table?
   a) Rs. 250 b) Rs. 210 c) Rs. 200 d) Rs. 225

5. If 5 % more is gained by selling an article for Rs. 350 than by selling it for Rs. 340. Find the cost of the article?
   a) Rs. 50 b) Rs. 160 c) Rs. 200 d) Rs. 250

6. By selling a book for Rs. 10, the publisher losses (1/11) of what it costs him. Find the cost of a book?
   a) Rs. 12 b) Rs. 11 c) Rs. 10 d) Rs. 9

7. The cost price of an article, which on being sold at a gain of 12 % yields Rs. 6 more than when it is sold at a loss of 12 % is :
   a) Rs. 30 b) Rs. 25 c) Rs. 20 d) Rs. 24

8. When the price of pressure cooker was increased by 15 %, it sale fell down by 15 %. Find the effect on the money receipt?
   a) No effect b) 15 % decrease c) 2.25 % decrease d) 7.5 % increase

9. A man sells two houses at the rate of Rs. 1.995 lakh each. On one he gains 5 % and on the other he losses 5 %. Find his gain or loss percent in the whole transaction?
   a) No effect b) 0.25 % loss c) 0.25 % gain d) 2.5 % gain

10. A fruit seller buys lemons at 2 for a rupee and sells them at 5 for three rupees. Find the gain percent?
    a) 10 % b) 15 % c) 20 % d) 7.5 %

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Unit : 8 SIMPLE INTEREST AND COMPOUND INTEREST

Amount = Principal + Simple Interest

Let P = Principal, N = Number of Years,

R = Rate of Interest & S.I = Simple Interest.

$$S.I = \frac{P \times N \times R}{100}; \quad P = \frac{100 \times S.I}{R \times N}; \quad R = \frac{100 \times S.I}{P \times N}; \quad N = \frac{100 \times S.I}{P \times R};$$

Let P = Principal, N = Number of Years & R = Rate of Interest,

$$\text{Amount} = P\left(1+\frac{R}{100}\right)^{N}$$

$$C.I - S.I = P\left(\frac{R}{100}\right)^{2}$$

1. A sum of money amounts to Rs. 850 in 3 years and Rs. 925 in 4 years. Find the sum ?
2. A sum of money amounts to Rs. 702 in 2 years and Rs.783 in 3 years. Find the rate percent ?
3. A sum of money will double itself in 16 years at simple interest with yearly rate of :
4. A sum of money put at simple interest trebles itself in 15 years. Find the rate percent per annum ?
5. Rs.800 amounts to Rs.920 in 3 years at simple interest. If the interest rate were increased by 3 %, it would amount to how much?
6. A certain sum of money at simple interest amounts to Rs.1260 in 2 years and to Rs.1350 in 5 years. Find the rate percent per annum ?
7. If the interest on Rs.1200 be more than the interest on Rs.1000 by Rs.50 in 3 years, the rate per cent is :

8. If Rs.7500 are borrowed at C.I. at the rate of 4% per annum, then after 2 years the amount to be paid is :

9. The value of a machine depreciates every year at the rate of 10% on its value at the beginning of that year. If the present value of the machine is Rs.729, its worth 3 years ago was :

10. A tree increases annually by $1/10^{th}$ of the height. By how much will it increase after 2 years, if it stands today 10 metre high?

Exercise – 8 (Objective Type Questions)

1. The simple interest on Rs. 500 for 6 years at 5 % p.a is :
   a) Rs. 150 b) Rs. 200 c) Rs. 300 d) Rs. 125

2. A man will get Rs. 87 as Simple interest on Rs. 725 at 4 % per annum in :
   a) 3 years b) 4 years c) 5 years d) None of these

3. The Simple interest on a certain sum for 3 years at 9.5% p.a. amounts to Rs. 159.60. Find the sum?
   a) Rs. 480 b) Rs. 560 c) Rs. 720 d) Rs. 640

4. Interest on a certain sum of money for 2 years and 4 months at 3.75% per annum is :
   a) Rs. 2800 b) Rs. 1580 c) Rs. 2400 d) None of these

5. A sum of money amounts to Rs. 767 in three years and Rs. 806 in four years. Find the sum?
   a) Rs. 600 b) Rs. 650 c) Rs. 675 d) Rs. 700

6. At what rate percent compound interest Rs. 625 amount to Rs. 900 in two years?
   a) 10% b) 15% c) 20% d) 25%

7. The difference between simple interest and the compound interest on Rs. 800 at 5 % per annum for one year is :
   a) Nil b) Rs. 41 c) Rs. 56.50 d) Rs. 81

8. The simple interest on a sum of money for 3 years is Rs. 240 and the compound interest on the same sum at the same rate for 2 years is Rs. 170. Find the rate of interest?
   a) 12.5% b) 8% c) 11.2% d) 13.7%

9. The difference between the simple interest and the compound interest on a certain sum of

money for two years at 10% is Rs.8. Find the sum?

a) Rs. 1600 b) Rs. 800 c) Rs. 1200 d) Rs. 640

10. A machine depreciates in value in a year by 2% of its value at the beginning of the year. If the value of the machine were Rs. 6,25,000, What is its depreciated value after three years?

a) Rs. 5,88,245 b) Rs. 6,00,000 c) Rs. 8,00,000 d) None of these.

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