Date: 18/10/2021

Report on Activity Based Learning (ABL-III)
Semester-III (A.Y.2021-22)

➢ **Event Details:**

Activity Based Learning (ABL-III) started with demonstration theme of ABL-III i.e., **"Total Quality Management"** by **Dr. Rajni Bahuguna** followed by introduction of total quality management concepts. Students are demonstrated with concept, advantages and applications of Total Quality Management.

Day 1 Activity: Personality Development

Day 1 session started with demonstration of **"Introduction to Total Quality Management"** by Dr. Rajni Bahuguna followed by first day activity of the ABL-III i.e., Personality Development. Personality of an individual plays extremely important role in professional and social life. Personality Development is the development of organized pattern of behavior and attitudes that makes a person special, unique and different from others. Good Personality skills are key to success in any career. Students are demonstrated with **proven Psychological Tests i.e., Situation Reaction Test (SRT) & Thematic Apperception Test (TAT).**

In SRT, 60 different real-life situations are given and students have to write the best possible ways to handle these situations to resolve the problems arising due to given situations. Total duration of test is 30 minutes to cover all the 60 situations (30 Seconds per situation). Students completing 45-50 situations correctly within 30 minutes are rated above average and are considered having better personality traits.

In TAT, 12 ppt slides having pictures or sketches are shown one after the other on a screen. 12th slide will be blank slides. Students are required to write a story based on the slides projected. Students will get 30 seconds to view the slide and 04 minutes to write a story on each slide. Story written should based on momentous reflection of one's life or a story of an achiever if possible.

Day 2 Activity: Case Study

Day 2 session started with demonstration of "**TQM & Its Key Concepts**" by **Dr. Rajni Bahuguna,** which includes customer focus, employee involvement, process centered, integrated system, strategy and systematic plan, continuous improvement, fact-based decision making and communication. Followed by day 2 activity of the ABL-III i.e., **Case study**. The activity for today's discussion was started with the introduction and definition of case study. Why use a case study to the students along with the applications of case studies. After these different types of case studies were introduced along with the explanation of how to write the case study. Then group formation and topic allocation with respect to TV 2035 for writing case study along with the mentor allocation before going to breakout room completed. In the different breakout rooms steps involved

while writing any case study discussed with the students with the assign mentors along with the topics were discussed. The activity was very well presented by showing the case study videos of waste management's videos of Indore city.

Day 3 Activity: Group discussion

Day 3 started with demonstration of **'Total Quality Management- Quality Management and Planning'** by **Dr. Rajni Bahuguna**. Then trainers started with Introduction to group discussion. Further in session following topics were discussed:

- Definition of Group Discussion
- Concept of Group Discussion
- Prerequisites of Group Discussion
- Benefits of Group Discussion
- Salient features
- Do's and Don'ts in Group Discussion
- Important points in Group Discussion
- Accept criticism
- Suggestion

After theory session, students were divided into teams and group discussion topic was allotted to teams. One team has to speak, for the topic and another has to speak, against the topic allocated to them. All the faculty present gave their inputs in the end of the session and this provided more clarity on student's input about the topic. Finally, Session was ended by sharing the link for the day 3 activity feedback.

Day 4 Activity: Survey Designing and Study
On fourth day session started with demonstration of **"TQM: Seven Basic Tools of Quality"** by **Dr. Rajni Bahuguna** followed by day fourth day activity of the ABL-III i.e., **Survey designing and study**.

Introduction and Orientation to research methodology emphasizing on survey designing has been done. Surveys can be administered in many modes, including online surveys, email surveys, social media surveys, paper surveys, mobile surveys, telephone surveys, and face-to-face interview surveys. Various survey designing online tools for e.g Survey Monkey, TypeForm, Mentimeter, Google Form were demonstrated with live case study for survey on Green IT. Students are divided into teams with 5 students per team. We have noted down and discuss Topic selected by Teams for Survey designing. Each team has to create the sample questionnaires (max 10) mapping with goal established using Online Survey making tools. Students were briefed about how to create survey and circulate survey link online among society to get their responses and views. This survey was conducted in online mode through Google forms. By conducting the survey, and analyzing all the questions carefully, students need to make analysis on data collected.

For evaluation purpose, all groups were asked to upload their survey link with abstract of Survey designing and study on Google classroom for evaluation.

Day 5: Blog Writing

On fifth day session started with demonstration of "**TQM: Management's Commitment To Quality**" by **Dr. Rajni Bahuguna** followed by day fifth day activity of the ABL-III i.e., **Blog Writing.**

Fifth day activity of the ABL-III was Blog Writing. Orientation to Blog Writing skills was Introduced to students. Contents of the blog such as Ideas, Organization, Voice, Word Choice, Sentence Fluency, Presentations are covered. Followed by advantages and disadvantages of blogs, types of blog i.e, Personal, Business, Schools, Private, Sports, How-to, tips and reviews, Non-profits, Politics and Military were discussed with students.

After discussion on blog writing in detail, students were demonstrated with how to create a free blog using WordPress.com. Problem Statements of Technology Vision 2035 were discussed with students and given time for topic selection and discussion with team members. As per choice of students, problem statements were finalized in consultation with teacher. Each student has to create their own blog with their creativity on the problem statement chosen by them. The evaluation of the activity conducted as per rubrics, for all the students.

Day 6: ABL IV Presentation and Evaluation

The evaluation of ABL-III was conducted. Students were instructed to submit the report of all five-day activity and presentation with PPT on google classroom. Oral presentation conducted in online mode followed by question-and-answer session. The evaluation conducted as per rubrics defined.

Learning outcomes:

1. Learn multidisciplinary subjects which brings out the excellence attribute in students with updated awareness in either topics technical or current affairs.
2. Student will be able to outline the procedures for blog writing, which will give them wings of imagination with self-expression in the topic.
3. Student will be able to outline the procedures for Group Discussion and demonstrate technical discussion styles. Exposure to Group discussion will provide an opportunity to all team members to give their ideas and opinion on a certain topic. It increases one's listening skills and confidence in speaking. Team building improves.
4. Students will learn the strengths of survey research including its effectiveness, generalizability, reliability, and versatility. Students will be able to make the awareness about various social issues.
5. Students will be to make the society awareness about various challenging technical issues which teaches them a overall team spirit with decisive acumen qualities for excellence.

➢ **Trainer and Evaluators Involved**

Sr. No.	Name of the Trainer/ Evaluator	Qualification	Experience
1	SEIT A - Mrs. Mary Margrat	ME (COMP)	13 Years
2	SEIT A - Mr. Shridhar Kamble	ME (IT)	8.5 Years
3	SEIT B - Mr. Rahul Neve	Ph.D. (Pursuing)	14 Years
4	SEIT B - Mrs. Swati Abhang	ME (COMP)	14 Years
5	SE AIML - Mrs. Neha Patwari	ME(CMPN)	11 Years
6	SE AIML Mrs. Shruti Mathur	ME (COMP)	8 Years
7	SEIT A&B - Mrs. Somyashree	ME (CSE)	7 Years
8	SE AIML - Ms. Apurva Joshi	ME (IT)	10 Years

➢ **Attendance Analysis**

Parameters	Division	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Avg.
Total No. of Students in the class	SE IT A	62	62	62	62	62	62	62
	SE IT B	64	64	64	64	64	64	64
Total No. of Students Attended the session	SE IT A	56	59	53	60	58	60	58
	SE IT B	58	60	54	60	57	61	59
Total No. of Absent Students	SE IT A	6	3	11	2	4	2	4
	SE IT B	6	4	10	4	7	3	5
Attendance Percentage	SE IT A	90.32	95.16	85.48	96.77	93.54	96.77	93.00
	SE IT B	90.62	93.75	84.37	93.75	89.06	95.31	91.14

➢ **Evaluation Analysis**

Parameters	IT-A	IT-B
Total No. of Students in the class	62	64
Total No. of Students evaluated	62	64
Total No. of Students not evaluated	00	00
Evaluation Percentage	100%	100%

- **Feedback Analysis:** Students learned what is Total Quality Management and its concept, goals and advantages of Total Quality Management, its applications etc. Learned how to do creative writing on technical or no technical topic.

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DEPARTMENT OF INFORMATION TECHNOLOGY (IT)
(Accredited by NBA for 3 years, 3ʳᵈ Cycle Accreditation w.e.f. 1ˢᵗ July 2019)
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- Students learned about how to figure out the various benefits of Survey and also Work as a team various survey platforms and the role survey plays to understand the thoughts of a certain population.
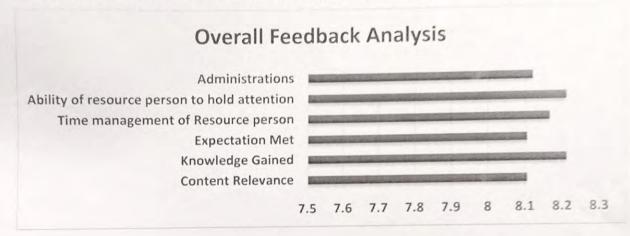- Group discussion helped in increases listening skills and confidence in speaking. It helped students to enhance ability to articulate and defend a position thoughtfully and respectfully.
- Lecturette helped students to give their ideas and opinion on a certain topic and in the process improve public speaking skills.
- Social connect helped students to circulate use of green energy message among the people.

On the scale of 10 below is a graph showing overall feedback analysis,

Overall Feedback Analysis

	7.5	7.6	7.7	7.8	7.9	8	8.1	8.2	8.3
Administrations									
Ability of resource person to hold attention									
Time management of Resource person									
Expectation Met									
Knowledge Gained									
Content Relevance									

➢ **Conclusion:**

- All Activity Based Learning (ABL-III) activities gives an opportunity to grow professionally as well as personally. The larger objective of the course is to prepare students for Leadership and Excellence in their life roles by continually engaging students in both individual and team activities that explore important issues or phenomena, use multiple media and technologies, create products that embody the results of the students' explorations, and call the students to explain their work and products to adult and student audience.
- The course intends to deliver the understanding of the concepts of critical thinking, encourage the students to look beyond their textual knowledge, establish the relationship between theory and the applications of the learned concepts. It also intends to address the social issues and help the society in the area of work.

Prepared by

Mr. Shridhar Kamble
Assistant Professor (IT)

Reviewed by/

Dr. Sangeeta Vhatkar
Dy. HOD-IT

Checked by

Dr. Bijith Marakarkandy
HOD-IT