Research and Development Cell   **Date: 17/08/2020**

Report on Research Based Learning (RBL) SEM-V (Batch 2022)

➢ **Event Details**
  - RBL Event began with the orientation given by Dean R&D, Dr. Kamal Shah.
  - Teaching material for the RBL activity was collected from the trainers before the start of programme on Google drive.
  - Morning session was held from 10.00 am to 12.00 pm which included the actual training and orientation of the task to be done throughout the day.
  - Evening session was held from 4.00 pm to 6.00 pm which included evaluation on the topic taught in the morning session.
  - All the tasks and teaching material were posted on Google classroom on day to day basis.
  - Last day students created posters for their respective project groups and uploaded the same on Google Classroom.

➢ **Objectives**
  This course is focused to engage the learner in research by:
  - Upgrading domain knowledge by participation in technical quiz and debate
  - Participating in critical thinking, innovative idea generation and technical writing

➢ **Debate topics:**

Timings	Group No. in Div A	Name of the faculty member in Div A	Topic	Group No. in Div B	Name of the faculty member in Div B
4.00 pm to 4.30 pm	A1 (1 to 8) & A2(9 to 16)	Dr. Aaditya Desai and Mr. Sandip Bankar	2G Phone Vs 3G Phone	B1 (1 to 9) & B2(10 to 18)	Ms. Neha Patwari and Mr. Sudhir Dhekane
4.30 pm to 5.00 pm	A3 (16 to 24) & A4(25 to 32)	Dr. Aaditya Desai and Mr. Sandip Bankar	AMD Processors Vs Intel Processors	B3 (19 to 27) & B4(28 to 36)	Ms. Neha Patwari and Mr. Sudhir Dhekane
5.00 pm to 5.30 pm	A5 (33 to 40) & A6(41 to 48)	Mr. Shridhar Kamble and Ms. Hetal Amrutia	Waterfall Model Vs Agile Model	B5 (37 to 45) & B6(46 to 54)	Mr. Rahul Neve and Ms. Shruti Mathur
5.30 pm to 6.00 pm	A7 (49 to 56) & A8(57 to 67)	Mr. Shridhar Kamble and Ms. Hetal Amrutia	Licensed software Vs Open source software	B7 (55 to 63) & B8(63 to 73)	Mr. Rahul Neve and Ms. Shruti Mathur

➢ **No. of project groups:**
  Div A: 22 Div B: 22 Total: 44 groups

➢ **Faculty members involved**

Sr. No.	Name of the Faculty member	Role given
1	Dr. Aaditya Desai	RBL IT Dept. Co-ordinator, Observer, Trainer and Evaluator
2	Mrs. Neha Kapadia	RBL IT Dept. Co-ordinator, Observer, Trainer and Evaluator
3	Mrs. Purvi Sankhe	RBL IT Dept. Co-ordinator, Observer, Trainer and Evaluator
4	Dr. Rajesh Bansode	Observer, Evaluator and Trainer
5	Dr. Bijith Marakarkandy	Observer and Evaluator
6	Dr. Sangeeta Vhatkar	Observer and Evaluator
7	Mr. Vikas Kaul	Observer and Evaluator
8	Mr. Namdeo Badhe	Observer and Evaluator
9	Mrs. Pranjali Kasture	Observer and Evaluator
10	Mr. Anil Vasoya	Observer and Evaluator
11	Mr. Bhushan Nemade	Observer and Evaluator
12	Mr. Vijaykumar Yele	Observer and Evaluator
13	Mrs. Hetal Amrutia	Trainer and Evaluator
14	Mr. Rahul Neve	Trainer and Evaluator
15	Mr. Shridhar Kamble	Evaluator
16	Mr. Sudhir Dhekane	Evaluator
17	Mr. Sandip Bankar	Evaluator
18	Mrs. Neha Patwari	Evaluator
19	Mrs. Shruti Mathur	Evaluator

Note: Mrs. Vandana Munde and Mrs. Mary Margaret were involved in Professional Skills III hence their duties were adjusted with other faculty members.
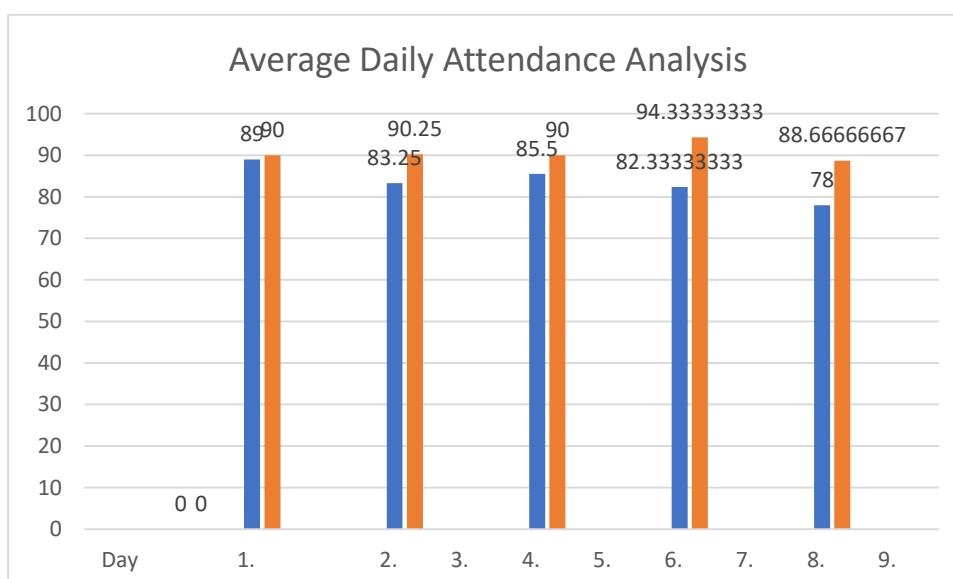
➢ **Feedback:**

Sr. No.	Students Feedback
1	Longer than actual duration of the activity, without any breaks made it stressful to listen and understand. Non stop explanation of all the subjects made is less effective.
2	Teachers tried to revise everything in just 15mins which I found very and wasn't quiet helpful for me
3	The revision of previous subjects was nice but the duration of the meeting was too much, to be in one place for so long is problematic, plus in my condition I was on data so that also is a problem.
4	Involving short breaks between subjects and explanation of fewer subjects with optimum pace.
5	Not about activity but if any lec or important discussion is going on zoom then it will beneficial for us if they put it on you tube also so we can access the content if we need it in future
6	I think evaluation should be done alternately because of that we got more time to deep research on our topic.

7	This should be conducted once a week so that, we come up with better outcome rather than clubbing it in continues two week program.
8	Make activity more interaction with student by giving task or questioning and always gain attention of students.
9	Should tell more about how to execute project and a detailed discussion on how we can form group and perform this project for four years
10	There should be many more such quizzes with increasing difficulty with time, not so suddenly.

➢ **Participation Analysis:**

Day	TE A (%)			TE B (%)		
	Morning	Evening	Average	Morning	Evening	Average
1.	91	87	89	89	91	90
2.	92	78	83.25	92	87	90.25
3.	87	76		93	89	
4.	85	Offline	85.5	91	Offline	90
5.	86	Offline		89	Offline	
6.	85	Offline	82.33333	93	Offline	94.33333
7.	84	78		95	95	
8.	87	79	78	86	94	88.66667
9.	68	Offline		86	Offline	

Average Daily Attendance Analysis

➢ **Evaluation Analysis**

- **Graduate Attributes Obtained:**

GA's obtained Class	GA1	GA2	GA3	GA4	GA5	GA6	GA 7	GA8	GA9	GA10	GA11	GA 12
TE IT A	76	66	65	69	74	69	68	74	67	67	79	0
TE IT B	74	61	61	62	73	65	68	72	64	71	65	0
Average	75	63.5	63	65.5	73.5	67	68	73	65.5	69	72	0

➢ **Feedback Analysis:**

1. Time Management of the activity was appropriate

739 responses
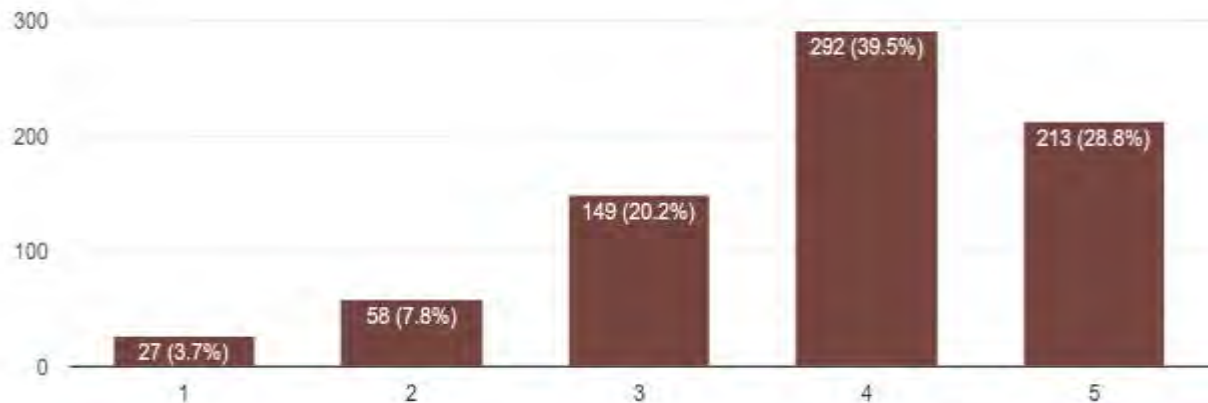
2. Select the Technical difficulty level for the activity
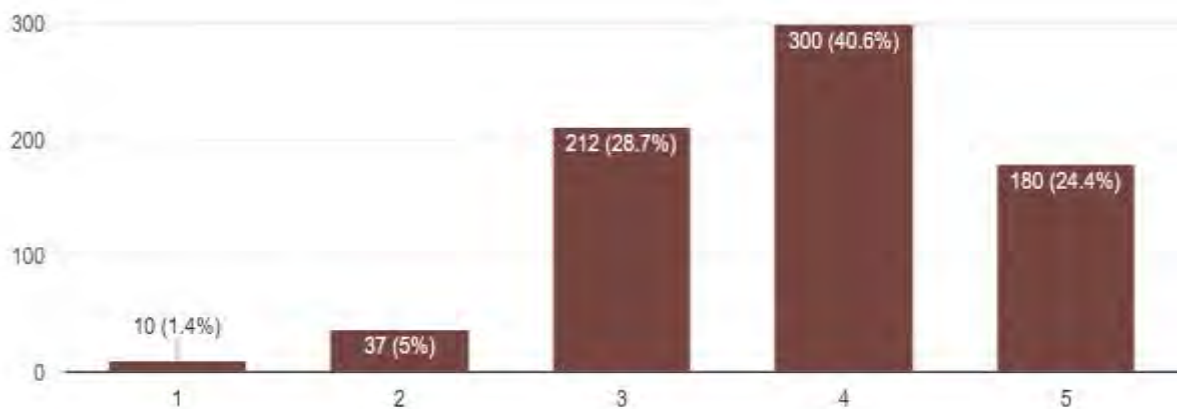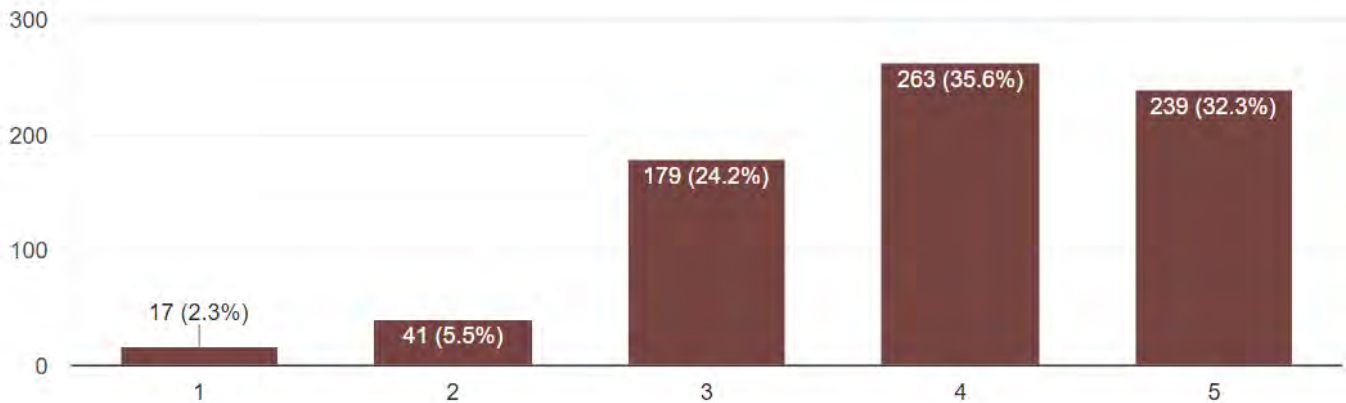
739 responses

3. Quality of the content delivered in the activity was good
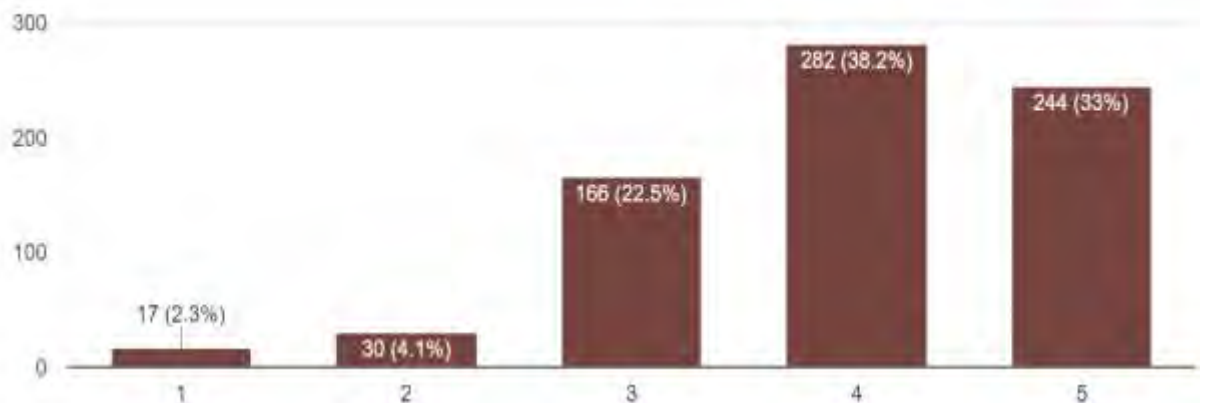
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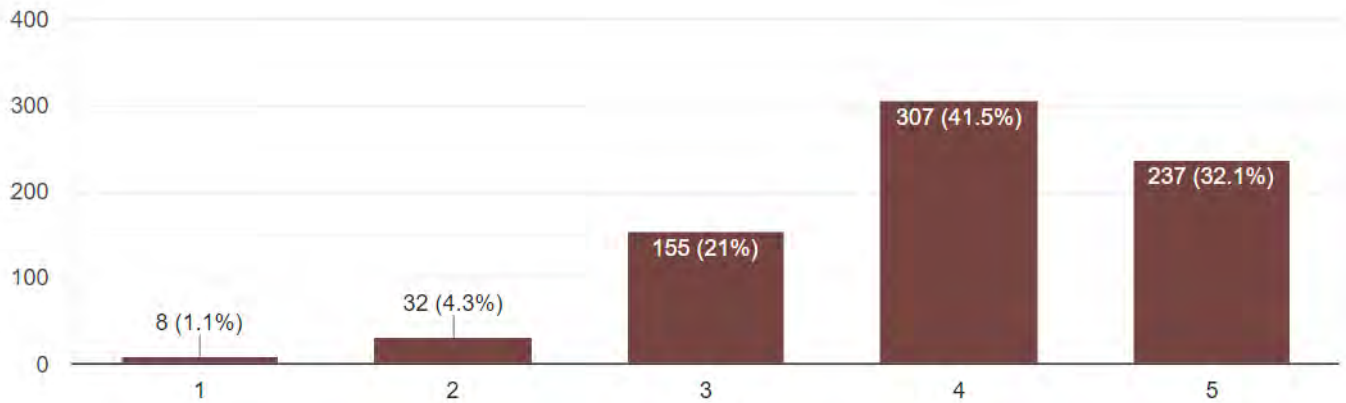
4. Innovative approach was followed in the activity undertaken
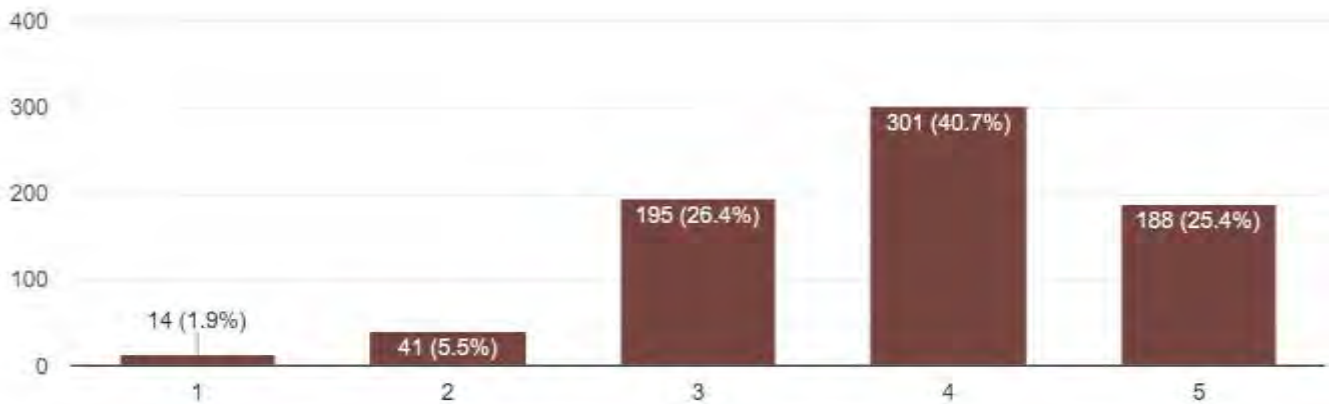
739 responses

5. The activity conducted helped to improve our Knowledge, Skills and Attitude
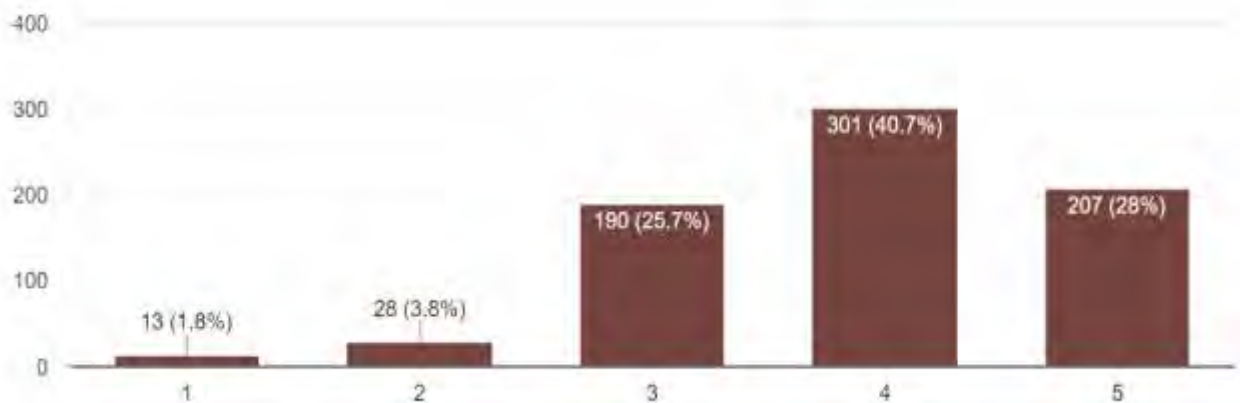
739 responses

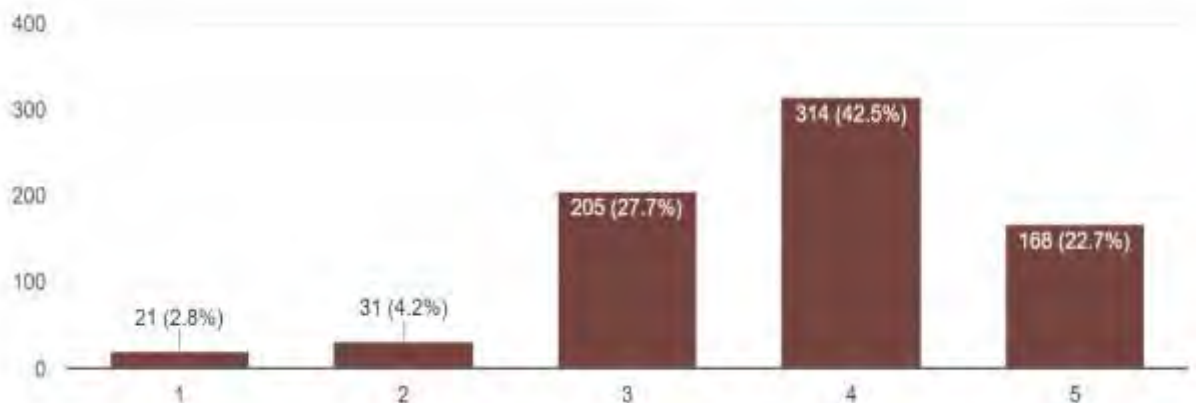**6.** Rate the activity on the scale of 5

739 responses

7. Provide your satisfaction level for the activity

739 responses

8. Rate the evaluation of Rubrics method

739 responses

➢ **Outcome:**
- Students were able to upgrade the knowledge of latest technologies in their discipline in a competitive environment.
- Students were able to create new ideas for problem solving related to industry or societal issues.
- Students were able to understand research methodologies.
- Students will be able to write a technical paper.

➢ **Conclusion:**
- Students showed active participation in the RBL activity.
- RBL activity will help students to shape their project in a better way.

Prepared by

                                                                    Checked by

Dr. Aaditya Desai   Dr. Bijith M   Dr. Kamal Shah   Dr. Deven Shah   Dr. B.K. Mishra
Mrs. Neha Kapadia
Mrs. Purvi Sankhe

IT   Dept.   RBL   HOD-IT Dept.   Dean R&D   Vice-Principal   Principal
Coordinator