

TCET/IT/ /of 2021

Date: 30/07/2021

Report on

Research Based Learning – III Activities (14th July – 17th July)

1. **Event:** Research Based Learning - III activities
2. **Date:** 14th July – 17th July
3. **Time:** 12.00 p.m. to 2.00 p.m.
4. **Venue:** Meeting is conducted on online Zoom Platform.
5. **Participants:** All BE IT students
6. **Objectives:**

This course is focused to engage the learner in research & development by:

- Identification of Industry/Lab/start-up for project
- Conducting webinar on design and development of Business Canvas and Pitch presentation
- Conducting Webinar on IPR /Patents

Activity wise objectives are as below:

RBL Activity	Objectives
Orientation for RBL III and Identification of Industry/Lab/start-up for project	<ol style="list-style-type: none"> 1. Orientation of RBL-III. 2. Industry relevance for Improvement in quality of Project. 3. Importance about the Topics of the project and Industry Mentors.
Webinar on design and development of Business Canvas.	<ol style="list-style-type: none"> 1. Use of Business Canvas for better understanding of the Project from cost and revenue perspective. 2. To mention the importance of customers and value propositions. 3. To understand and create the business canvas Model. 4. Understand the Requirement and create Business Canvas accordingly
Webinar on IPR /Patents	<ol style="list-style-type: none"> 1. Importance of IPR/Patent. 2. Understanding Rules and Regulation for File Patent and its requirement. 3. How to apply for IPR/Patent for a specific prototype and its terms.. 4. Understanding IPR/Patent in Trade and Business Perspective.
Evaluation of Business canvas and Feedback.	<ol style="list-style-type: none"> 1. Presentation based on Students Understanding for their Respective Project. 2. Evaluation on Business Canvas Model implemented and designed. 3. Queries and Performance based on Business Canvas Model.

7. Faculty members involved

Sr. No.	Name of the Faculty member	Role given
1	Dr. Deven Shah	Vice Principal, Evaluator
2	Dr. Kamal Shah	Dean-R&D, Speaker, Evaluator
3	Dr. Bijith Marakarkandy	HOD-IT, Evaluator
4	Dr. Sangeeta Vhatkar	DY. HOD-IT, Speaker, Evaluator
5	Dr. Rajesh Bansode	IQAC-MR, Speaker, Evaluator
6	Dr. Vikas Kaul	Speaker and Evaluator
7	Mr. Namdeo B. Badhe	Observer and Evaluator
8	Mrs. Pranjali Kasture	Evaluator
9	Mr. Anil K. Vasoya	HOC-In charge and Evaluator
10	Mr. Bhushan Nemade	Evaluator
11	Mr. Vijaykumar Yele	Evaluator
12	Dr. Aaditya A. Desai	Evaluator
13	Mrs. Purvi Sankhe	Evaluator
14	Mrs. Neha Kapadia	RBLIII Coordinator, Observer, Speaker and Evaluator
15	Mr. Rahul Neve	Evaluator
16	Mr. Shridhar Kamble	Evaluator
17	Mrs. Mary Margarat	Evaluator
18	Mr. Sudhir Dhekane	Evaluator
19	Mrs. Neha Patwari	Evaluator
20	Mrs. Shruti Mathur	Evaluator
21	Mr. Sandip Bankar	Evaluator
22	Ms. Swati Abhang	Observer and Evaluator

Plan (Approach):

8. Plan and Schedule:

1. Dr. Kamal Shah, Dean (R&D) conducted a series of meetings of all R & D Coordinators of all the departments on Zoom platform explained about planning, scheduling, duty allocation, evaluations and monitoring.
2. RBL orientation was given on 12th July 2021 to all R&D coordinators in library reading room.
3. Two Google classrooms for two different Divisions were created for uploading the teaching material for the RBL activity. Teaching material for the RBL activity was collected from the trainers before the start of programme on Google drive.
4. Ms. Neha Kapadia (Project co-ordinator) has prepared the schedule for RBL III activities.

5. On the first day of RBL III activities an orientation was given to all students by Ms. Neha Kapadia. Students were briefed about the schedule and all the activities to be carried out from 14th July 2021 to 17th July 2021.
6. The notices, instructions, assignment details, meeting links and teaching material were posted on Google classroom on day-to-day basis.

Do (Deployment)

9. Highlights of the Activities Conducted:

RBL activities of the dept. were conducted as follows for all the days:

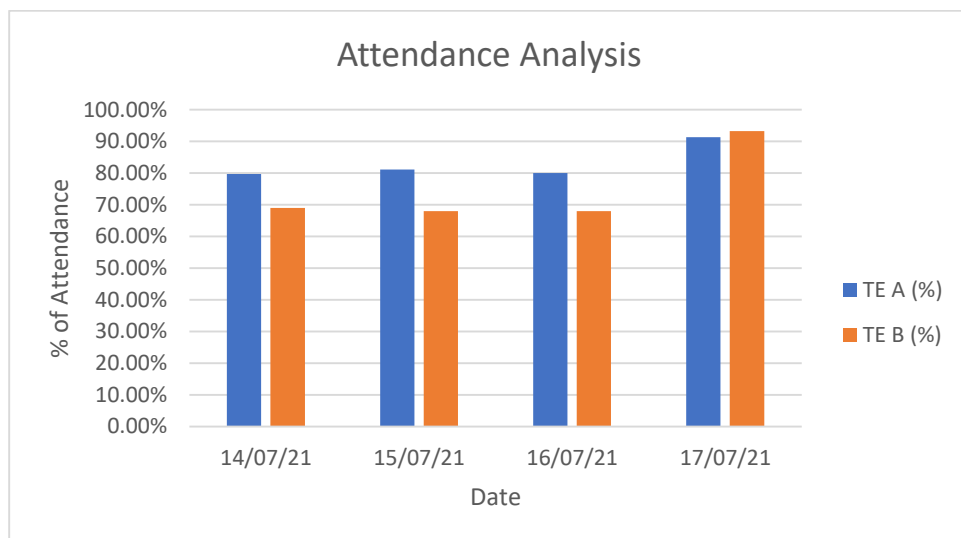
- RBL event began with the orientation for Identification of Industry/Lab/start-up for project.
- Session was conducted from 12 Noon to 2 pm.
- Two morning sessions were conducted at institute level by Dr. Kamal Shah and Dr. Vinitkumar Dongre.
- All the tasks and teaching material were posted on Google classroom on day to day basis.
- Last day students created Business Model Canvas for their respective projects and uploaded the same on Google Classroom.
- Business Model Canvas was evaluated by respective project guides.

Detailed conduction of the event is as below:

S.No.	Date	Time	Activities Planned	Faculty Responsible
1	14/07/2021	12:00 Noon to 1:00 PM	Orientation for RBL III and Identification of Industry/Lab/start-up for project	Dr. Vikas Kaul (Speaker) Ms. Neha Kapadia (Speaker) (Observer) Mr. Namdeo Badhe Ms. Swati Abhang Lab Assistant: Mr. Anil Taware
2	15/07/2021	12:00 Noon to 1:00 PM	Webinar on design and development of Business Canvas and Pitch presentation	Dr. Kamal Shah (Speaker) Ms. Neha Kapadia (Observer) Lab Assistant: Mr. Anil Taware
3	16/07/2021	12:00 Noon to 1:00 PM	Webinar on IPR /Patents	Dr. Vinit Dongre (Speaker) Ms. Neha Kapadia (Observer) Lab Assistant: Mr. Anil Taware
4	17/07/2021	12:00 Noon to 1:00 PM	Evaluation of Business canvas and pitch presentation Evaluations and Feedback	All RBL Project Guides Ms. Swati Abhang (Observer) Ms. Neha Kapadia (Observer) Lab Assistant: Mr. Anil Taware

10. Participation Analysis:

Day	TE A (%)	TE B (%)
14/07/21	79.7%	69%
15/07/21	81.15%	68%
16/07/21	80%	68%
17/07/21	91.30%	93.24%



Division wise Participation Analysis

Check (Learning)

11. Learning for Stakeholders

Students understood the important aspects through RBL activities as given below:

1. Industry relevance for improvement in quality of project
2. Industrial Association and Industry mentorship was informed
3. Business Model Canvas (BMC) template and Pitch presentation for marketing of the product.
4. The concepts of Intellectual property rights of product.
5. The importance of business canvas for their project.

Act (Integration)

12. Learning and Corrective Actions

Sr. No.	Learning	Corrective action taken
1.	Due to various issues such as poor net connectivity, unavailability of basic resources etc. few students were unable to join in online meetings	Their evaluations were done by taking the evaluation using WhatsApp, mails, and google classroom submission wherever applicable. Meetings were conducted for some of the students again to evaluate them.
2.	Students have got less time for preparations.	Timely instructions were given to faculty and students. Everyday students were reminded for next day activities and guidance was given through verbal and written instructions.
3.	Some difficulties were faced by students and faculty due to online conduct for long hours.	Learning from conduct was integrated for planning of next day activity. Some adjustments in the schedule were done to take care of faculty requirements for various roles played based on their request.

13. Feedback Analysis

1. Validation of activities was done on student's attendance and their performance in the evaluations on the same day as per schedule using rubrics immediately after all sessions.
2. Effectiveness of the learning is also checked through student's feedback. Students have shared their daily feedback as well. Some of the points are given below.

Feedback:

Sr. No.	Students' Feedback
1	The orientation conducted was good and helpful
2	Orientation of rbl 3 was conducted during the session and explanation of task.
3	Good activity and a good webinar
4	Patent insights given for project. IPR and patent was explained
5	It was helpful for our project and research paper.
6	Today's activity was conducted briefly and nicely.
7	Today activity was nice. We get to know about ipr and patents rules and some important points related to patents law under Indian government..
8	Taught how to pitch project ideas in professional manner.

14. Risks & Mitigations:

Sr. No.	Risks	Mitigations
1.	Attendance of students	For consistent attendance sessions were conducted with sincerity and attendance and feedback was taken care of on daily basis. All the session was monitored by RBL in-charge.
2.	Lack of time for assignment completion	Students were given more time to complete their assignment work.

15. Outcomes:

1. Total 140 students (69 Div A + 71 Div B) participated and evaluated for RBL III activities.
2. Faculty and Students are motivated to effective Implementation of RBL.
3. Understand needs of RBL activity for development of student's research ability.
4. Research culture initiated among stakeholders.

16. Scope for Improvement

- I. Sessions could be made more interesting by adding some hands-on experiments.
- II. All students can be considered by planning for evaluations students having connectivity issues.

17. Conclusion:

- Students showed active participation in the RBL activity.
- RBL activity will help students to connect with industry and they can get valuable input & feedback from industry people.
- Using the RBL activity student's project will be having outcome as Product, consultancy, IPR or Grants.

Collectively Proposed By

Checked By

Reviewed By

sd/-

sd/-

sd/-

sd/-

Dr. Aaditya Desai
Mrs. Neha Kapadia

Dr. Bijith Markarkandy
HOD-IT Dept.

Dr. Rekha Sharma
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