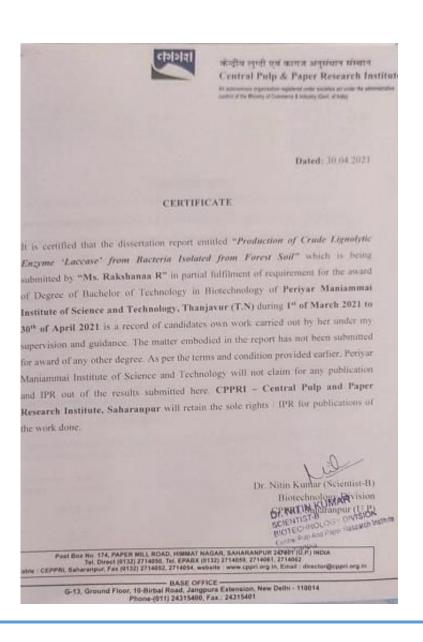
PROBLEM SOLVING METHODOLOGIES

ACADEMIC YEAR 2020 -2021

DEPARTMENT OF BIOTECHNOLOGY

CASE STUDY ANALYSIS / REAL TIME PROJECTS

Location (If applicable)	CPPRI-Central Pulp and Paper Research Institute ,saharanpur.
Date	01.04.2021-30.04.2021
Faculty Accompanied / Guided by	Dr.Nitinkumar
Participants: Batch/ Year/ Semester/Section	2017-2021/IV/VIII/A





कंजीय लग्दी एवं कागज अनुसंधान संस्थान Central Pulp & Paper Research Institute

An autonomous organization registered under societies act under the admissible of the Ministry of Commerce & Industry (Good, of India)

Dated: 30.04.2021

CERTIFICATE

It is certified that the dissertation report entitled "Production of Crude Lignolytic Enzyme 'Laccase' from Bacteria Isolated from Forest Soil" which is being submitted by "Ms. Rakshanaa R" in partial fulfilment of requirement for the award of Degree of Bachelor of Technology in Biotechnology of Periyar Maniammai Institute of Science and Technology, Thanjavur (T.N) during 1st of March 2021 to 30th of April 2021 is a record of candidates own work carried out by her under my supervision and guidance. The matter embodied in the report has not been submitted for award of any other degree. As per the terms and condition provided earlier, Periyar Maniammai Institute of Science and Technology will not claim for any publication and IPR out of the results submitted here. CPPRI - Central Pulp and Paper Research Institute, Saharanpur will retain the sole rights / IPR for publications of the work done.

Dr. Nitin Kumar (Scientist-B)

Biotechnology Arvision

SCIENTIST B

BIOTECHNOLOG ONISION

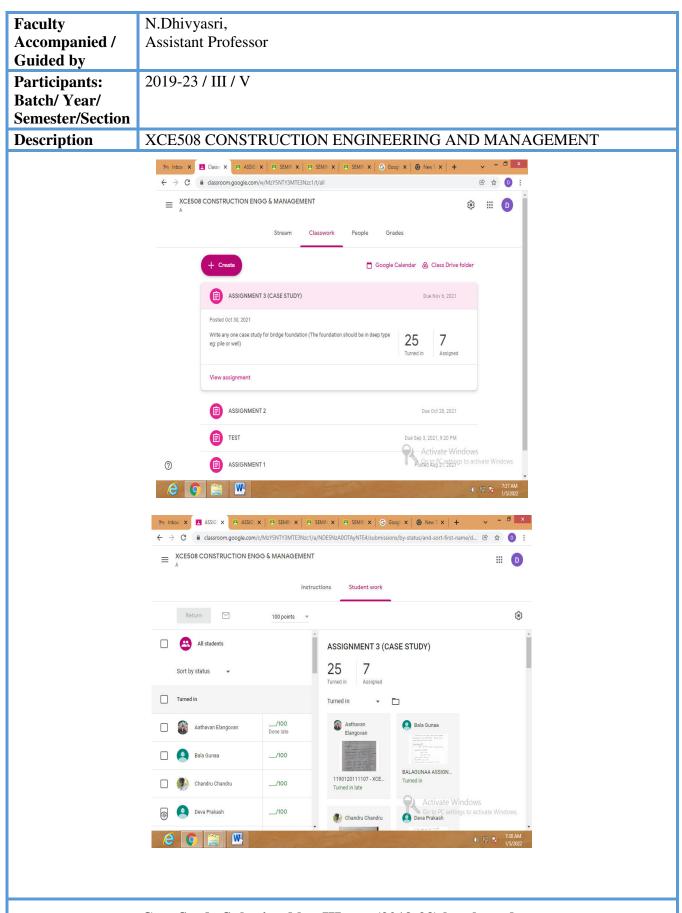
BIOTECHNOLOG BASSACH ME Centry Pulp And Paper Rasswich lesshing

Post Box No. 174, PAPER MILL ROAD, HIMMAT NAGAR, SAHARANPUR 247907 (U.P.) INDIA Tel. Direct (0132) 2714050, Tel. EPABX (0132) 2714059, 2714061, 2714062 tible: CEPPRI, Saharanpur, Fax (0132) 2714052, 2714054, website: www.cppri.org in, Email: director@cppri.org.in

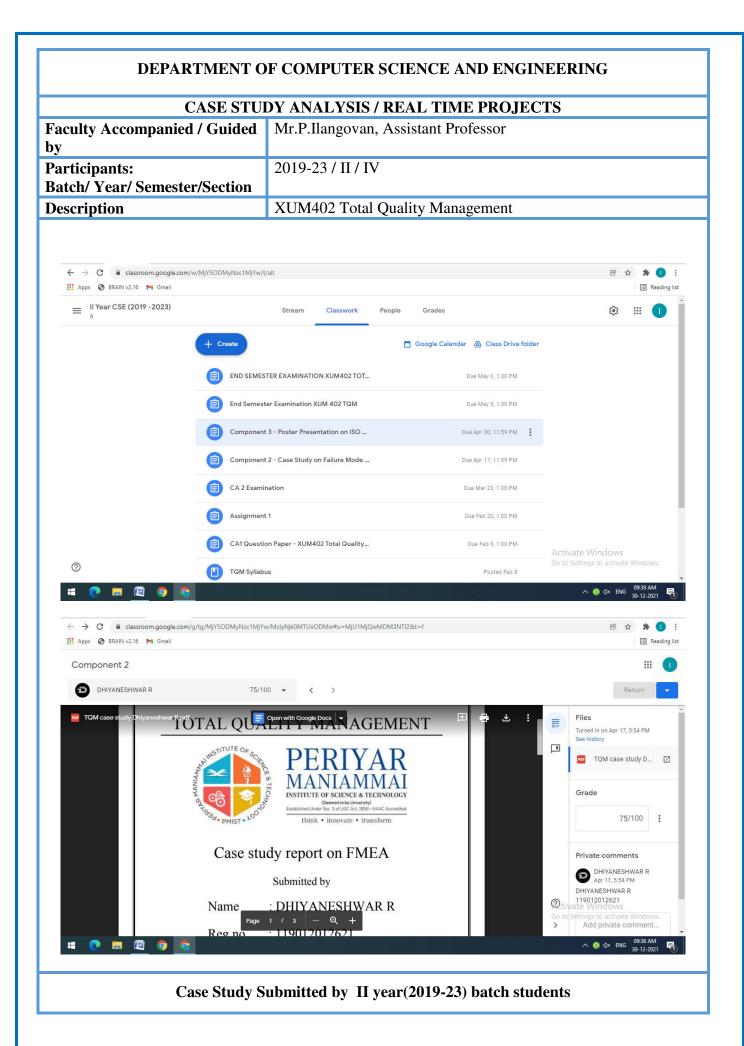
G-13, Ground Floor, 10-Birbal Road, Jangpura Extension, New Delhi - 110014 Phone-(011) 24315400, Fax.: 24315401

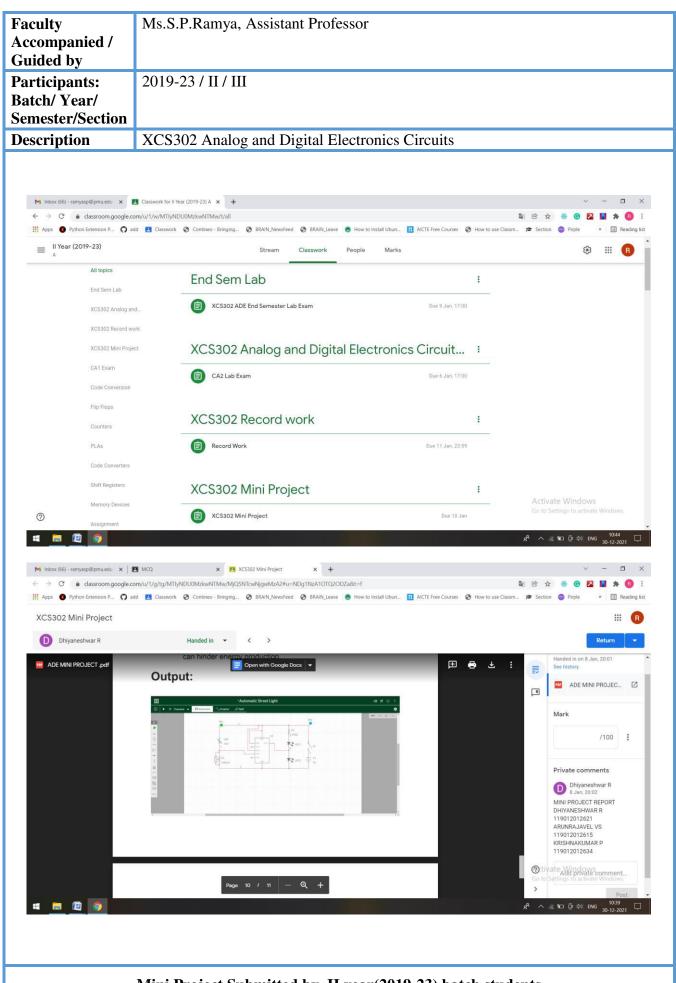
DEPARTMENT OF CIVIL ENGINEERING CASE STUDY ANALYSIS / REAL TIME PROJECTS Ms.D.Thayalnayaki Assistant Professor **Faculty** Accompanied / **Guided by Participants:** 2019-23 / III / V Batch/ Year/ Semester/Section **Description** XCE505 ENVIRONMENTAL ENGINEERING 🗧 ightarrow C 🗎 classroom.google.com/u/0/c/Mzc0NTkxNTA5NTIw/a/NDE4OTgzMjM1Nzky/submissions/by-status/and-sort-first-nam... 😢 🟚 🕡 : 🔢 Apps 🔼 YouTube 🗷 Maps M Gmail Third year -XCE505 Environmental Engineering **...** Instructions Student work (3) 20 points All students Case Study Report 2 30 Sort by status Assigned Turned in Aathavan Elangovan Bala Gunaa Aathavan Elangovan Bala Gunaa 1190120111107 - XCE. ned in late Activate Windows Chandru Chandru \leftarrow \rightarrow **C** $\stackrel{\circ}{}$ classroom.google.com/u/0/9 ☆ 1 : ## Apps 🔼 YouTube 🧗 Maps 💌 Gmail Reading list Case Study Report **III 1** Manupriyan S. Hannibulgan Files Turned in on Oct 28, 2021, 4:40 PM XCE505 Envisionmental case study of Rethinking 1190120111111 (... 🖸 Engineering The world's waste circular Assignment - 04 Evonomy I dimate for 15/20 : change: closing the loop That video says Recently the door dosed to what was. Hanupriyan Oct 28, 2021, 4:40 PM until now, the dominant market for waste 1190120111111 c sAddgrivate comment. recycling

Case Study Submitted by III year (2019-23) batch students



Case Study Submitted by III year (2019-23) batch students





Mini Project Submitted by II year(2019-23) batch students

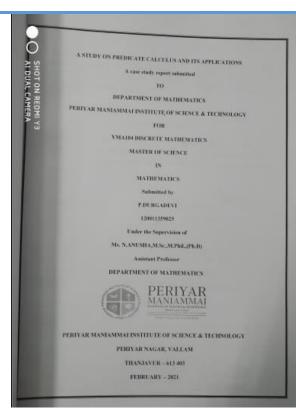
DEPARTMENT OF MATHEMATICS

CASE STUDY ANALYSIS / REAL TIME PROJECTS

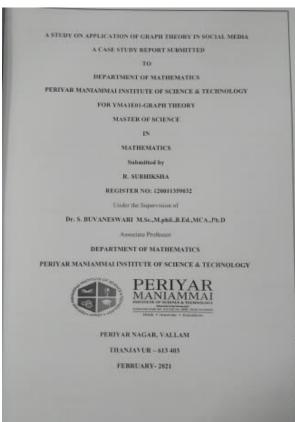
Date	09.02.2021 to 13.02.2021	
Faculty	List Attached	
Accompanied /		
Guided by		
Participants:	2020-2022/ IYear / I Sem & II Sem /A	
Batch/ Year/		
Semester/Section		
Description		

Course Code & Name : YMA101 Groups and Rings Guided By : Dr.P.N.Sudha			
S.NO	REGISTER NO	NAME	TOPIC
1	120012359023	K.Dinesh	A Study on Groups and its Applications
2	120011359024	R.Durga	A Study on Finite Abelian Groups
3	120011359025	P.Durgadevi	A Study on Group Homomorphism and its Applications
4	120011359026	K.Elamathi	A Study on Applications of Lagrange's Theorem in Group Theory
5	120011359027	J.Gayathri	A Study on Application of Cyclic Groups in everyday life
6	120011359028	M.Madhupritha	A Study on Permutation Group and their Application
7	120012359029	M. Mahendhiran	A Study on Ring and Polynomial Ring
8	120011359030	A.Sathya	A Study on Group Structures of Algebra
9	120011359031	S.Shoba	A Study on iterated Skew Polynomial Ring
10	120011359032	R.Subhiksha	A Study on Application of Lagrange's Theorem in Cosets
11	120011359033	M.Sudhalakshmi	A Study on Lagrange's Theorem and its Applications
12	120011359034	U.Varsha	A Study on Prime and Maximal Ideal in Polynomial Ring
13	120011359035	B.Dharsini	A Study on Normal Subgroups of Prime Index
14	120012359036	R.Ranjith	A Study on Rings and its Applications
15	120012359037	R.Vetrivel	A Study on Subgroups

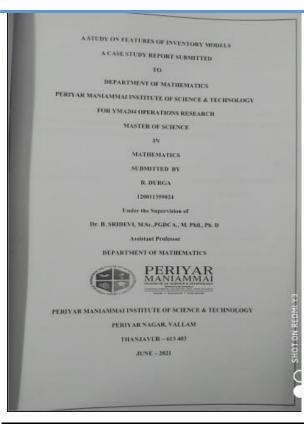
Course Code & Name : YMA202 Analysis II			Guided By : Dr.P.Vijayalakshmi	
S.NO	REGISTER NO	NAME	TOPIC	
1	120012359023	K.Dinesh	A Study on Uniform Convergence and Continuity	
2	120011359024	R.Durga	A Study on Lebesgue Measures	
3	120011359025	P.Durgadevi	A Study on Simple Functions and Units Applications	
4	120011359026	KElamathi	A Study on Riemanns Integral Construction of the Sequence of function in Normed Space	
5	120011359027	J.Gayathri	A Study on Introduction to Uniform Convergence and differentiation	
6	120011359028	M.Madhupritha	A Study on Uniform Convergence of Sequence and Series	
7	120012359029	M. Mahendhiran	A Study on Measurable Functions	
8	120011359030	A.Sathya	A Study on Uniform Convergence and Integration	
9	120011359031	S.Shoba	A Study on Taylor's Theorem	
10	120011359032	R.Subhiksha	A Study on Integration and Differentiation	
11	120011359033	M.Sudhalakshimi	A Study on Fundamental Integration with Reimann Integral	
12	120011359034	U.Varsha	A Study on Application of Function Analysis	
13	120011359035	B.Dharsini	A Study on Complex Integration	
14	120012359036	R.Ranjith	A Study on Measurable Function and its Theorem	
15	120012359037	R.Vetrivel	A Study on Simple Functions	

















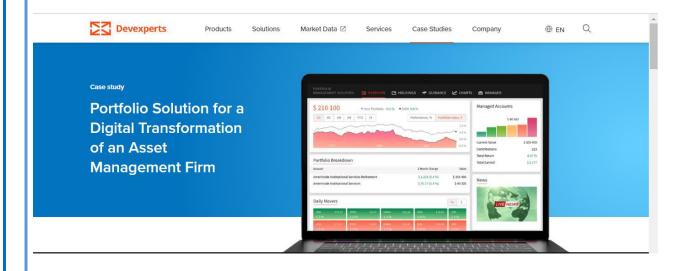


Case study presentation for YMA1E1 Graph Theory by K..Elamathi



Case study presentation for YMA203 Integral Equation, Calculus of Variations and Tranforms by M.Sudhalakshimi

DEPARTMENT OF COMMERCE **CASE STUDY ANALYSIS** Location (If Google meet applicable) **Date** 02.9.2020 **Faculty** Dr.N.Jayanthi Associate Professor and Head, Department of Commerce Accompanied / **Guided by Participants:** 2018-21 / III / V / A **Batch/Year/** Semester/Section A Case study of Portfolio Section and Diversification of an Asset Management Firm **Description** was discussed



The challenges faced by the Asset Management firm was discussed and the possibilities for the developments of the firm by following the portfolio diversification also discussed in the session

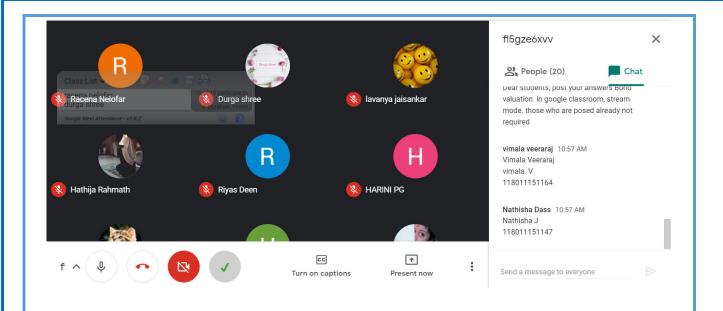
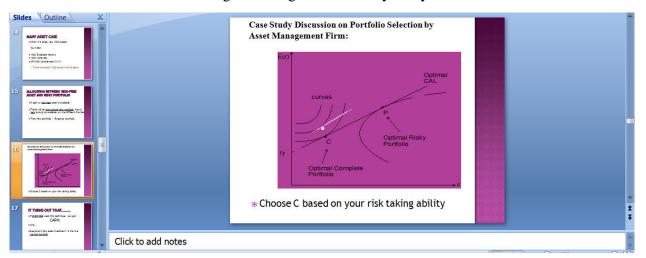


Image showing the case study analysis



Business Challenge

The Client used to provide advisors with a third-party off-the-shelf solution for portfolio management. This meant recurring licensing fees and incapability to enhance the software with the Client's tailored features to fine-tune custom portfolios. The Client also required to reconceptualize the user experience. It implied the digital transformation of business processes, which was impossible with the off-the-shelf product.

The Client decided to get a proprietary custom financial software capable of providing advisors with the best customer engagement experience. Advisors demanded a business tool for a full cycle of operation with portfolios and a customizable interface layout. Through a proprietary solution, the Client also wanted to eliminate the license expenses and increase their business capitalization with a new valuable intangible asset.

Solution

The Client chose Devexperts due to their experience in the development of tailored wealth management solutions and a previous record of successfully delivered FinTech projects.

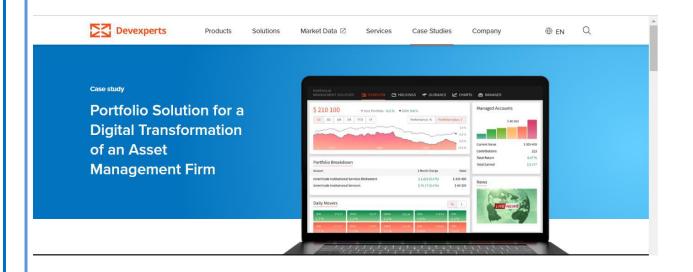
Devexperts developed both the front- and back-end of a new portfolio management solution, which incorporated the following features required by advisors:

- Compilation and on-the-fly adjustment of custom portfolios
- · Comparison of solution's portfolios with external accounts (held at any financial institution)
- Configuration of UI layout for the variability of portfolio visuals intelligent customer engagement through the capability to shift and change portfolio information based on advisor's demands

On top of these features, the new proprietary portfolio management solution provides:

- Elaborate information with the risk-return ratio for portfolio returns evaluation based not solely on investment returns
- The fulfillment of customer demands according to short- and long-term investments demonstration how different investment decisions and market conditions impact customers' goals

CASE STUDY ANALYSIS		
Location (If applicable)	Google meet	
Date	02.9.2020	
Faculty Accompanied / Guided by	Dr.N.Jayanthi Associate Professor and Head, Department of Commerce	
Participants: Batch/ Year/ Semester/Section	2018-21 / III / V / A	
Description	A Case study of Portfolio Section and Diversification of an Asset Management Firm was discussed	



The challenges faced by the Asset Management firm was discussed and the possibilities for the developments of the firm by following the portfolio diversification also discussed in the session

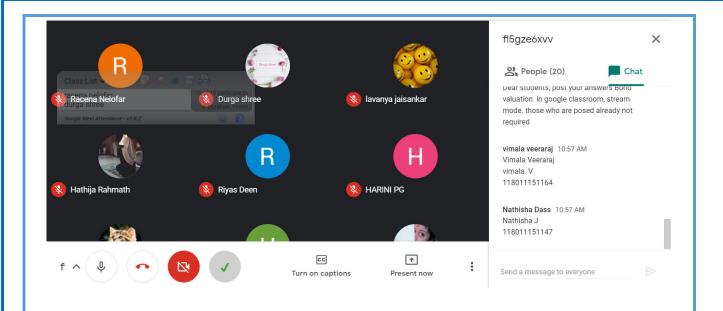
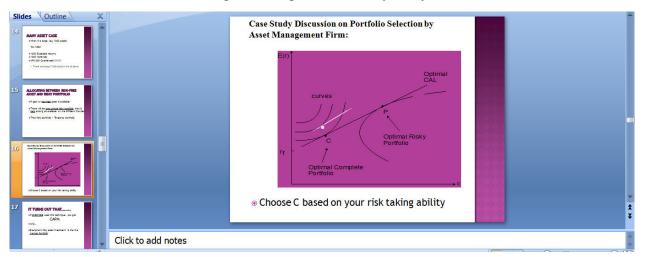


Image showing the case study analysis



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Solution

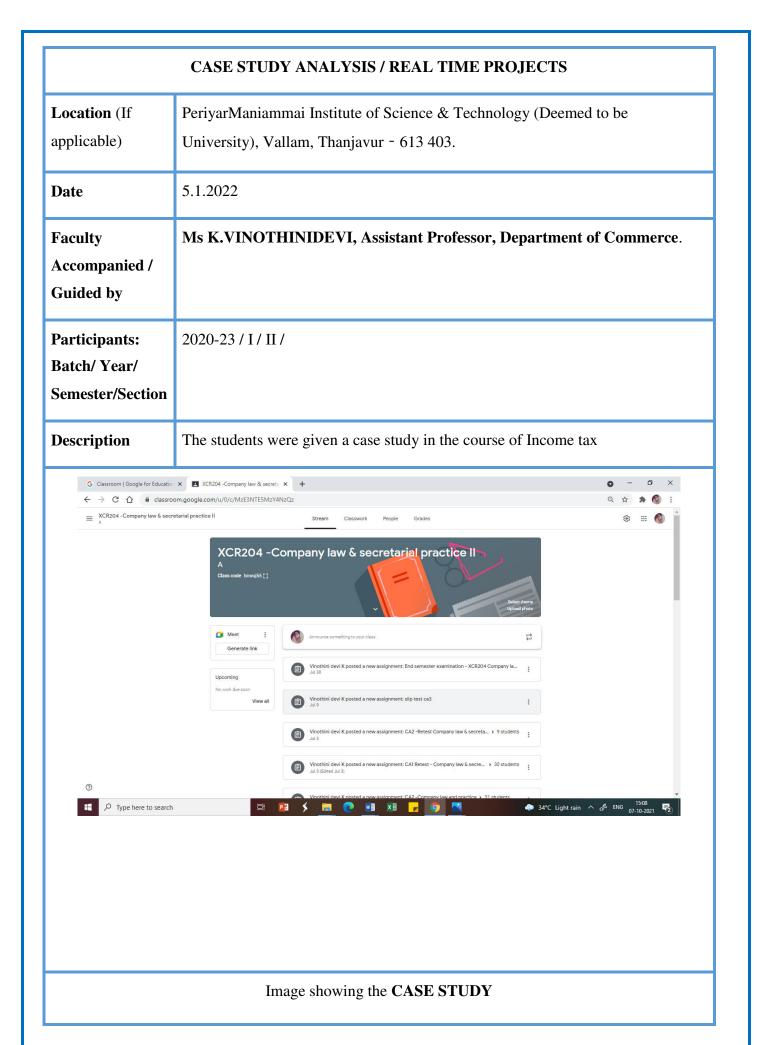
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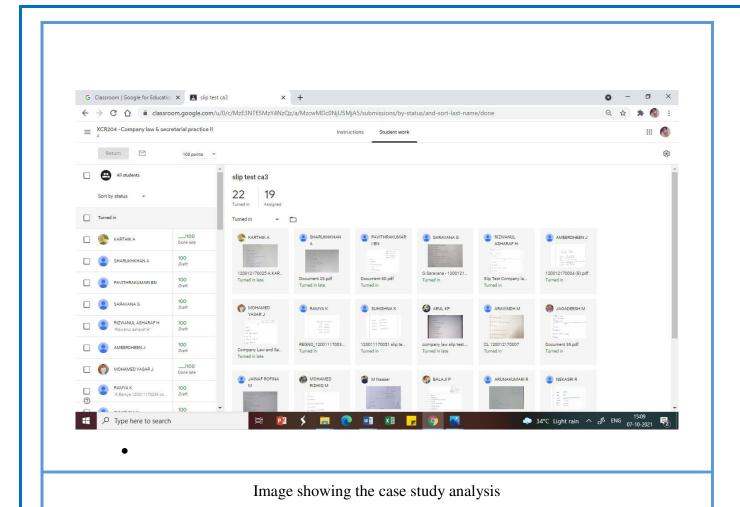
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CASE STUDY ANALYSIS / REAL TIME PROJECTS		
Location (If applicable)	PeriyarManiammai Institute of Science & Technology (Deemed to be University), Vallam, Thanjavur - 613 403.	
Date	19-11-2021	
Faculty Accompanied / Guided by	Dr. G. Arulselvi, Assistant Professor, Department of Commerce.	
Participants: Batch/ Year/ Semester/Section	2020-23 / II / III /	
Description	The students were given a case study in the course of new product launched in market-customer relationship.	

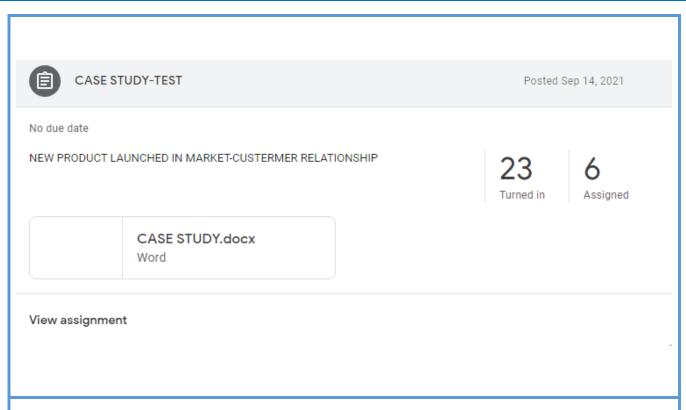
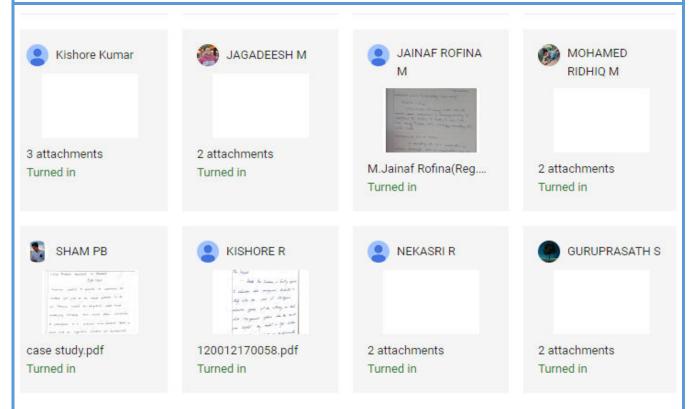


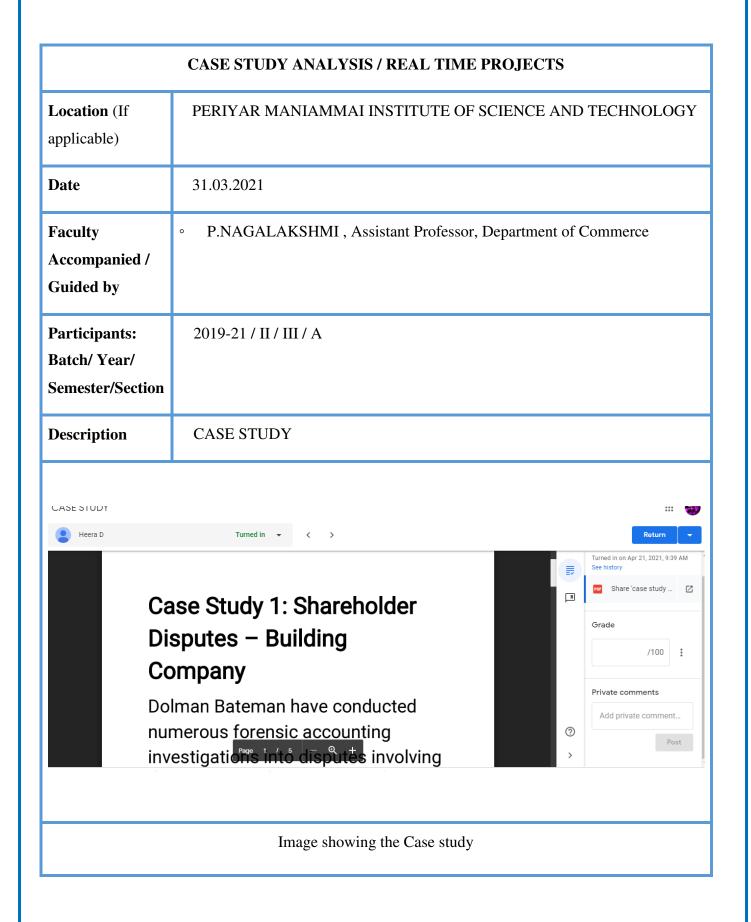
Image showing the CASE STUDY

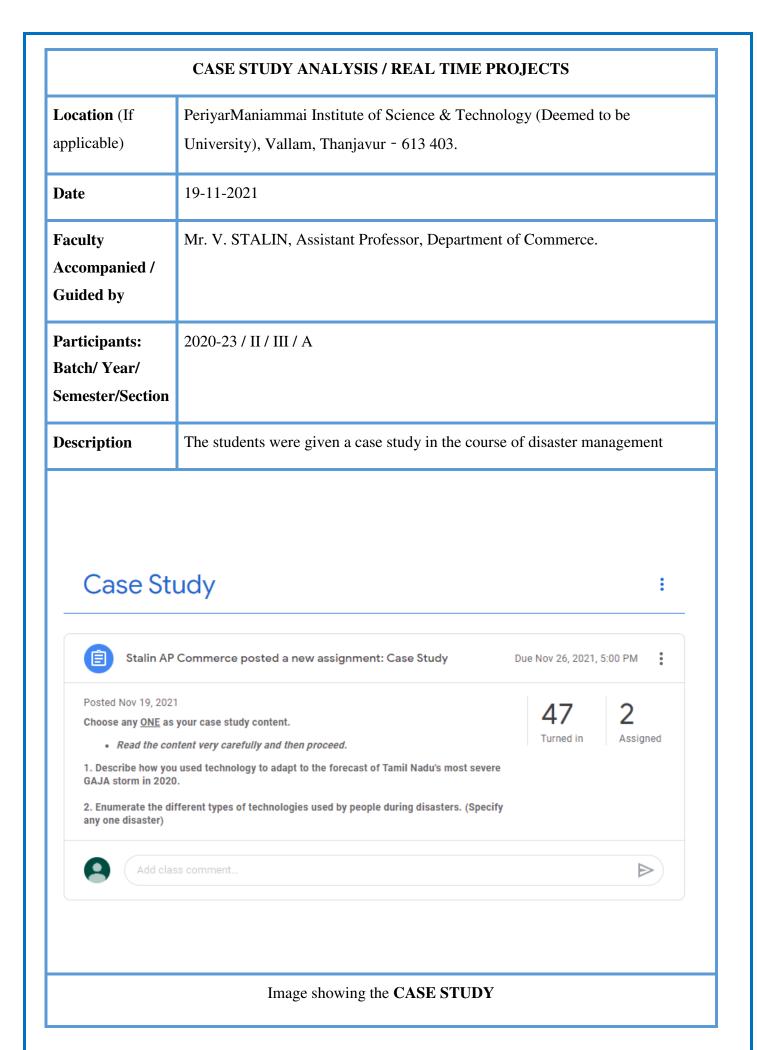


MAJOR POINTS IDENIFIED:

- * Is a process in which a business or other organization administers its interactions with customer
- *Typically using data analysis to study large amount of information

Image showing the case study analysis





















MAJOR POINTS IDENIFIED:

- Timely and fast communication disseminated with the help of social media platforms to forecast the disaster (Gaja cyclone). Eg.WhatsApp status, Facebook, Blog news content etc.
- Cyclone Warning Dissemination System for direct dissemination of cyclone warnings to the cyclone prone coastal areas
- Some of the YouTube channels also made awareness about gaja cyclone.