

# PROBLEM SOLVING METHODOLOGIES

# DEPARTMENT OF ARCHITECTURE

## CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Date</b>	06/06/2022
<b>Guided by</b>	Ar.S.Vithyalakshmi, Ar.Sree Bavithra, Assistant Professor, Department of Architecture
<b>Participants</b>	2021-26 Batch / I Year / II Semester / A Section
<b>Description</b>	Students of 1 <sup>ST</sup> (2021-26 Batch) year explaining their Basic Design works to the external jury member during their end semester Viva voce.



First year students explaining their design to the external examiner

## REAL TIME PROJECTS

<b>Date</b>	17/11/2022
<b>Guided by</b>	Dr.A.Kumaresan/ Ar.N.Janani
<b>Participants</b>	2022-27 Batch / I Year / I Semester / A Section
<b>Description</b>	Basic design works of first year students reviewed by external examiner



First year students explaining their visual arts works to the external examiner

### REAL TIME PROJECTS

<b>Date</b>	24/11/2022
<b>Guided by</b>	Ar.M.Sangavi/ Ar.K.Chithra/ Ar.S.Sree Bavithra/ Ar.S.K.E.Nathar Sha
<b>Participants</b>	2020-25 Batch/ III Year / V Semester / A & B Section
<b>Description</b>	Computer Aided Design works of Third year students of Architecture (2020-25 Batch) were reviewed by externals during their End Semester Viva voce



Third year student explaining her works to the external reviewer

## CASE STUDY ANALYSIS

<b>Location</b> (If applicable)	Urban study at Pondicherry and Triplicane
<b>Date</b>	23/11/2022
<b>Guided by</b>	Ar.J.Mullai/ Ar.A.Mohamed Anas/ Ar.K.Chithra/ Ar.S.K.E.Nathar Sha
<b>Participants</b>	2018-23 Batch / V Year / IX Semester / A & B Section
<b>Description</b>	Students of 5 <sup>th</sup> (2018-23 Batch) year were taken for Urban study visit to Triplicane & Pondicherry to document and study the urban area to identify issues and provide possible solutions to the issues.



Urban study analysis done and presented by students of 5<sup>th</sup> year students

### CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Date</b>	23/11/2022
<b>Guided by</b>	Dr.C.V.Subramanian/ Ar.E.Uma Mouthiga
<b>Participants</b>	2021-26 Batch / II Year / III Semester / A Section
<b>Description</b>	Students of 2 <sup>nd</sup> (2021-26 Batch) year presented their Architectural Design-II works to the Juror during their Viva voce.



Students of 2<sup>nd</sup> year presenting their design works

## CASE STUDY ANALYSIS / REAL TIME PROJECTS

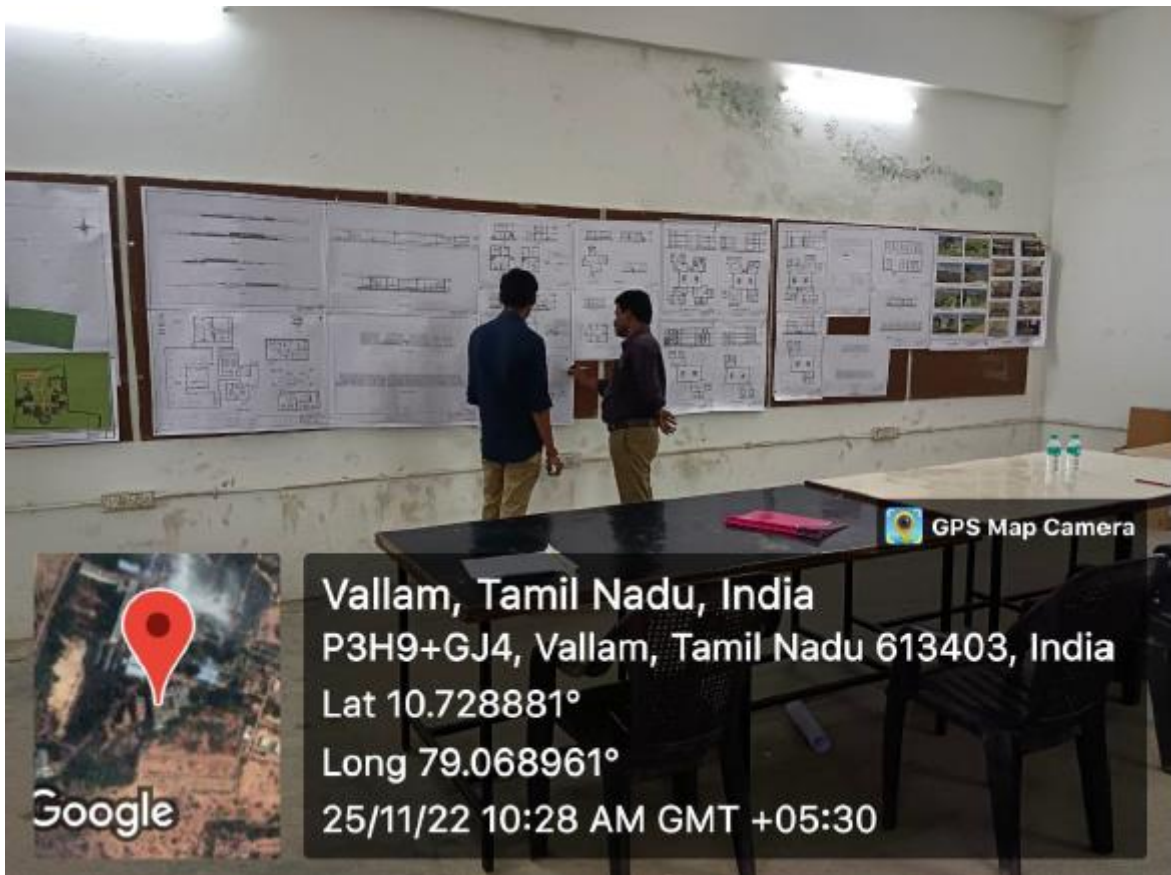
<b>Date</b>	24/11/2022
<b>Guided by</b>	Ar.V.S.Kavitha/ Ar.S.Banazir Banu/ Ar.S.Vithyalakshmi/ Ar.T.Chathana
<b>Participants</b>	2020-25 Batch / III Year / V Semester / A & B Section
<b>Description</b>	Students of 3 <sup>rd</sup> (2020-25 Batch) year presented their Architectural Design-IV works to the Juror during their Viva voce.



Students of 3<sup>rd</sup> year presenting their design works to the external reviewer

## CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Date</b>	25/11/2022
<b>Guided by</b>	Ar.V.Kalaichelvan/ Ar.S.Suganthi/ Ar.K.Jasmine Vidhya/ Ar.R.Kalaivani
<b>Participants</b>	2019-24 Batch / IV Year / VII Semester / A & B Section
<b>Description</b>	Students of 4 <sup>th</sup> (2019-24 Batch) year presented their Architectural Design-VI works to the Juror during their Viva voce.



Students of 4<sup>th</sup> year presenting their design works to the external reviewer during the end semester viva voce



## CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Date</b>	18/02/2023
<b>Guided by</b>	Ar.K.Jasmine Vidhya/ Ar.S.K.E.Natharsha
<b>Participants</b>	2018-23 Batch / V Year / X Semester / A & B Section
<b>Description</b>	Students of 5 <sup>th</sup> (2018-23 Batch) year presented their Architectural Thesis works to the panel of external reviewers



5<sup>th</sup> year student presenting her Architectural thesis works during an external review

## CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Date</b>	25/03/2023
<b>Guided by</b>	Ar.K.Jasmine Vidhya/ Ar.S.K.E.Natharsha
<b>Participants</b>	2018-23 Batch / V Year / X Semester / A & B Section
<b>Description</b>	Students of 5 <sup>th</sup> (2018-23 Batch) year presented their Architectural Thesis works to the panel of external reviewers



5<sup>th</sup> year student presenting her Architectural thesis works during an external review

## CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Date</b>	04/05/2023
<b>Guided by</b>	Ar.S.Banazir Banu/ Ar.S.Vithyalakshmi
<b>Participants</b>	2019-24 Batch / IV Year / VIII Semester / A & B Section
<b>Description</b>	Students of 4 <sup>th</sup> (2019-24 Batch) year presented their Practical training works compilation to the external reviewer during their end semester viva voce



4<sup>th</sup> year student presenting her Practical training works during the external review

## CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Location</b> (If applicable)	
<b>Date</b>	21.11.2022 to 28.11.2022 /13.03.2023 – 20. 03.2023 19.09.2022 – 28.09.2022 /15.02.2023 -20.02.2023
<b>Faculty Accompanied / Guided by</b>	List Attached
<b>Participants: Batch/ Year/ Semester/Section</b>	2022-2023/ I Year / I Sem & II Sem /A Batch: 2021-2023/ II Year / III Sem & IV Sem /A
<b>Description</b>	

<b>Course Code &amp; Name : YMA101 Algebra - I</b>		<b>Guided By : Dr.P.N.Sudha</b>	
S.No.	Register No.	Name	Topic
1.	122011359058	Alies princy G	A study on Binary operations on a set
2.	122011359059	Anu S	A study on Binary operations on groups
3.	122011359060	Diviyameenatchi S	A study on Groups and their properties

4.	122011359061	Gayathri M	A study on groups and illustrations
5.	122011359062	Janani M	A study on Subgroups on groups
6.	122011359063	Kamaleshwari K	A study on Subgroups on groups
7.	122012359064	Manoj M	A study on Cyclic groups and its illustrations
8.	122011359065	Mercy priya V	A study on Cyclic groups and its examples
9.	122011359066	Monisha M	A study on groups of Permutation and its examples
10.	122011359067	Nivetha S	A study on groups of Permutation and its illustrations
11.	122011359069	Shyamala devi V	A study on Symmetric group and its examples
12.	122011359070	Sudheshna G	A study on rings and their properties

**Course Code & Name : YMA102 Real Analysis - I**

**Guided By : Dr.K.Selvaraj**

<b>S.No.</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
1.	122011359058	Alies princy G	A study on Metric Space

2.	122011359059	Anu S	A study on convergent sequences
3.	122011359060	Diviyameenatchi S	A study on open balls in metric space
4.	122011359061	Gayathri M	A study on open set and its properties
5.	122011359062	Janani M	A study on Sequence of Real number
6.	122011359063	Kamaleshwari K	A study on Series of Real number
7.	122012359064	Manoj M	A study on Limit theorem and its illustrations
8.	122011359065	Mercy priya V	A study on Monotone Sequence
9.	122011359066	Monisha M	A study on Cauchy Sequence
10.	122011359067	Nivetha S	A study on Superior and Inferior limits
11.	122011359069	Shyamala devi V	A study on Bounded set in Metric space
12.	122011359070	Sudheshna G	A study on Dense set on Metric space.

**Course Code & Name : YMA103 Graph Theory**  
**Dr.S.Buvaneswari**

**Guided By :**

S.No.	Register No.	Name	Topic
1.	122011359058	Alies princy G	A Study on Handshaking theorem and application
2.	122011359059	Anu S	A Study on "TREE" based theorems and application in graph theory
3.	122011359060	Diviyameenatchi S	A Study on complete graph and its applications
4.	122011359061	Gayathri M	A Study on Bipartite graph
5.	122011359062	Janani M	A Study on Brook's theorem
6.	122011359063	Kamaleshwari K	A Study on Four color theorem and Kuratowski theorem
7.	122012359064	Manoj M	A Study on basic definition of graph theory and illustrations
8.	122011359065	Mercy priya V	A Study on Some basic definitions and theorem and its application
9.	122011359066	Monisha M	A Study on Eulerian graphs and matching based theorem and applications
10.	122011359067	Nivetha S	A study on Hamiltonicity of graphs
11.	122011359069	Shyamala devi V	A Study on Basic definition and theorem and applications
12.	122011359070	Sudheshna G	A Study on Five color theorem

**Course Code & Name : YMA104 Ordinary Differential Equations**

**Guided by : Dr.S.Dilip Jose**

<b>S.No.</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
1.	122011359058	Alies princy G	A study on Series solution of first order equation
2.	122011359059	Anu S	A study Review of power series second order linear equation
3.	122011359060	Diviyameenatchi S	A study on Regular singular points and its problem
4.	122011359061	Gayathri M	A study on Regular singular points and its problem
5.	122011359062	Janani M	A study on Gauss's hypergeometric equation
6.	122011359063	Kamaleshwari K	A study on Legendre polynomial
7.	122012359064	Manoj M	A study on Properties of Legendre polynomial
8.	122011359065	Mercy priya V	A study on Bessel function
9.	122011359066	Monisha M	A study on Linear system of first order equation
10.	122011359067	Nivetha S	A study on Homogeneous equation with constant coefficient



11.	122011359069	Shyamala devi V	A study on Oscillation theory
12.	122011359070	Sudheshna G	A study on Picard's theorem

**Course Code & Name: YMA105 Optimization Techniques      Guided By : Dr. R.Arumugam**

S. No	Register No.	Name	Topic
1.	122011359058	Alies princy G	A study on PERT/CPM techniques for optimization of times and cost of horizontal laminator protection
2.	122011359059	Anu S	A study on Application of decision theory and problems
3.	122011359060	Diviyameenatchi S	
4.	122011359061	Gayathri M	A study on Gradient and steepest method
5.	122011359062	Janani M	A study on Fuzzy application in Psychology
6.	122011359063	Kamaleshwari K	A study on Program evaluations review technique
7.	122012359064	Manoj M	A study on real life applications in Queuing theory
8.	122011359065	Mercy priya V	A study on Inventory management and its cost
9.	122011359066	Monisha M	A study on Decision tree and its examples
10.	122011359067	Nivetha S	A study on Decision making under risk with illustrations
11.	122011359069	Shyamala devi V	A study on Inventory management and its types of costs
12.	122011359070	Sudheshna G	A study on Decision theory

**Course Code & Name : YMA201 Linear Algebra**

**Guided By : Dr.P.N.Sudha**

S.No.	Register No.	Name	Topic
1	122011359058	Alies princy G	A study on ideals and its examples

2	122011359059	Anu S	A study on prime ideal and their examples
3	122011359061	Gayathri M	A study on maximal ideal and its examples
4	122011359062	Janani M	A study on types of fields with its examples
5	122011359063	Kamaleshwari K	A study on primitive polynomial and its application
6	122012359064	Manoj M	A study on irreducible polynomial
7	122011359065	Mercy priya V	A study on reducible polynomial
8	122011359066	Monisha M	A study on Gauss Lemma and its Applications
9	122011359067	Nivetha S	A study on Eisenstein's Criterion of irreducibility with examples
10	122011359069	Shyamala devi V	A study on algebraic and transcendental numbers and its application
11.	122011359070	Sudheshna G	A study on isomorphism of a field and its examples

**Course Code & Name : YMA202 Analysis II**

**Guided By : Dr.K.Selvaraj**

<b>S.No.</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
1	122011359058	Alies princy G	A Study on function of bounded variation and its examples

2	122011359059	Anu S	A study on Rolle's theorem
3	122011359061	Gayathri M	A Study on Riemann stieltjes integral and its properties
4	122011359062	Janani M	A study on Taylor's formula
5	122011359063	Kamaleshwari K	A study on change of variable in Riemann integral
6	122012359064	Manoj M	Real life application of the mean value theorem
7	122011359065	Mercy priya V	Study on Riemann stieltjes integral and its examples
8	122011359066	Monisha M	A study on chain rule and its applications
9	122011359067	Nivetha S	A study on chain rule with illustrations
10	122011359069	Shyamala devi V	A study on second mean value theorem on Riemann stieltjes integral and its application
11	122011359070	Sudheshna G	A study on fundamental theorem of calculus and its applications

S.No.	Register No.	Name	Topic
1	122011359058	Alies princy G	A study on First Order Partial Differential Equations and its example
2	122011359059	Anu S	A Study on Cauchy's problem for First Order and its Applications
3	122011359061	Gayathri M	A Study on Linear Partial Differential Equation of First Order
4	122011359062	Janani M	A Study on Nonlinear Partial Differential Equations of the First Order
5	122011359063	Kamaleshwari K	A Study on Cauchy's Method of Characteristics
6	122012359064	Manoj M	A Study on First Order Partial Differential Equations and its Applications
7	122011359065	Mercy priya V	A Study on Jacobian Matrix and its Applications
8	122011359066	Monisha M	A Study on Linear Partial Differential Equations with Constant Coefficients
9	122011359067	Nivetha S	A Study on Partial Differential Equations with Variable Coefficients
10	122011359069	Shyamala devi V	A Study on Laplace Transforms and Its Applications
11	122011359070	Sudheshna G	A Study on Non - linear Second Order Partial Differential Equations

**Course Code & Name : YMA204 Classical Dynamics**

**Guided By : Dr.A. Sasikala**

<b>S.No.</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
1	122011359058	Alies princy G	A Study on Kinetic Energy and its Application
2	122011359059	Anu S	A Study on angular and generalized momentum and their problems
3	122011359061	Gayathri M	A Study on generalized force
4	122011359062	Janani M	A Study on expressions for the kinetic energy and generalized momenta
5	122011359063	Kamaleshwari K	A Study on derivative of Lagrange's equation in dynamics
6	122012359064	Manoj M	A Study on real life application of non holonomic system in unicycle
7	122011359065	Mercy priya V	Study on Lagrangian equation
8	122011359066	Monisha M	A Study on non holonomic constraints and its application
9	122011359067	Nivetha S	A Study on problems based on Lagrange's equation
10	122011359069	Shyamala devi V	A Study on Routhian function and its applications

11	122011359070	Sudheshna G	A Study on Liouville's system and its example
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**Course Code & Name : YMA2E2 Combinatorics**

**Guided By : Dr.S. Buvaneswari**

S.No.	Register No.	Name	Topic
1	122011359058	Alies princy G	A Study on partition in integer and its examples
2	122011359059	Anu S	A Study on stirling's formula and its kinds
3	122011359061	Gayathri M	A Study on stirling number of the second kind and its examples
4	122011359062	Janani M	A Study on distribution of object
5	122011359063	Kamaleshwari K	A Study on generating function of combinatorics
6	122012359064	Manoj M	Real life application of distinct object bin
7	122011359065	Mercy priya V	A Study on elementary relation and its application
8	122011359066	Monisha M	A Study on generating function of combinations and its applications
9	122011359067	Nivetha S	A Study on partition in integers with examples

10	122011359069	Shyamala devi V	A Study on enumerators for permutation and its applications
11	122011359070	Sudheshna G	A Study on stirling ferres diagram and its example

**Course Code & Name : YMA205 Computer Programming (c++ Theory and Lab) Guided By : Ms.S.P.Ramya**

S.No.	Register No.	Name	Topic
1	122011359058	Alies princy G	A Study on simple calculator program in C program
2	122011359059	Anu S	A Study on email logging interface in C programming
3	122011359061	Gayathri M	A Study on number system conversion in C programming With source code
4	122011359062	Janani M	A Study on book management in C with source code
5	122011359063	Kamaleshwari K	A Study on students registration in C program
6	122012359064	Manoj M	A Study on library management system

7	122011359065	Mercy priya V	Study on customer billing system using C program
8	122011359066	Monisha M	A Study on save people information using C program
9	122011359067	Nivetha S	A Study on election vote counting in C programming
10	122011359069	Shyamala devi V	A Study on cricket score board sheet using C programming
11	122011359070	Sudheshna G	A Study on guessing game programme using C programming language

**Course Code & Name : YMA301 Field theory**      **Guided By : Dr. P.N.Sudha**

S.No.	Register No.	Name	Topic	Register No.
1.	121011359038	S. Aarthi	A Study on Extension Field in Field theory and some illustrations	
2.	121011359039	S. Abinaya	A Study on Finite Field in Abstract Algebra and some illustration	
3.	121011359040	A. Arundathi	A Study on Transcendental number and its examples	
4.	121012359041	S. Dineshmukilan	A Study on Roots of Polynomial and its related results	
5.	121011359042	M. Elakkiya	A Study on Splitting Field	
6.	121011359043	R. Elanthendral	A Study on Galois theory and its some illustration	
7.	121011359044	S. Maharani	A Study on Fixed Field and some illustrations	
8.	121011359045	B. Mughilarasi	A Study on Solvability by Radicals and its illustrations	
9.	121011359046	K. Parkavi	A Study on Solvable groups and its theorem	
10.	121011359047	M. R. Reshmaa Raaj	A Study on Extension Field and its cases	
11.	121011359048	K. Sowndaryalakshmi	A Study on Finite Fields and its Exemplification related to National Eligibility test.	
12.	121011359049	R. Srilekha	A Study on Transcendental number	
13.	121012359050	M. Sri Ram Siddarth	An Illustration on Splitting Field in Abstract Algebra	
14.	121011359051	I. Subiksha	A Study on Roots of Polynomial in Field theory and some illustrations	



15.	121012359052	R. B. Sugandhan	A Study on Galois theory and its illustrations
16.	121011359053	N. Vaishnavi	A Study on Galois theory and its theorem
17.	121012359054	P. Vignesh	A Study on Minimal Polynomials and some examples
18.	121012359055	S. Vignesh	A Study on Solvable Groups with some illustrations
19.	121011359057	S. Vivedha	A Study on Solvable group and its theorem

<b>Course Code &amp; Name : YMA302      Topology      Guided By : Dr.P.Vijayalakshmi</b>			
<b>S.No</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
1.	121011359038	S. Aarthi	A Study on Continuous Function and its Basic Theorem
2.	121011359039	S. Abinaya	Theorem Based on Continuous Function and Comparison on Box and Product Topology
3.	121011359044	A. Arundathi	A Study on Product Topology and its Based Theorem
4.	121012359041	S. Dineshmukilan	Theorem Based on Metric Topology
5.	121011359042	M. Elakkiya	Theorem Based on Metric Topology
6.	121011359043	R. Elanthendral	A Study on Metric Topology
7.	121011359044	S. Maharani	A Study on Continuous Function and its Basic Theorem
8.	121011359045	B. Mughilarasi	A Study on Connected Space and its Theorems
9.	121011359046	K. Parkavi	A Study on Connected Subspaces of the Real Line
10.	121011359047	M. R. Reshmaa Raaj	Theorem Based on Connectedness and Compactness
11.	121011359048	K. Sowndaryalakshmi	A Study on Compactness and its Theorems
12.	121011359049	R. Srilekha	A Study on Compact Space Based on its Theorem
13.	121012359050	M. Sri Ram Siddarth	A Study on Theorem Based on Compact Space
14.	121011359051	I. Subiksha	A Study on Compact Space and its Based Theorem.
15.	121012359052	R. B. Sugandhan	Theorem Based on Compact Subspaces of Real Line
16.	121011359053	N. Vaishnavi	A Study on Limit Point Compactness and its Theorem
17.	121012359054	P. Vignesh	A Theorem Based on Locally Compact Space
18.	121012359055	S. Vignesh	A Study on Normal Space and its Theorem
19.	121011359057	S. Vivedha	A Study on Regular Space and its Theorem

**Course Code & Name : YMA303 Automata Theory****Guided By : Dr.S.Buvaneswari**

S.No.	Register No.	Name	Topic
1.	121011359038	S. Aarthi	A Study on Finite Automata with Epsilon Transition
2.	121011359039	S. Abinaya	A Study on Deterministic Finite Automata
3.	121011359040	A. Arundathi	A Study on Chomsky Normal Form and its Based Examples
4.	121012359041	S. Dineshmukilan	A Study on Equivalence of Automata
5.	121011359042	M. Elakkiya	A Study on Context Free Grammar and Pumping Lemma
6.	121011359043	R. Elanthendral	A Study on Context Free Grammar
7.	121011359044	S. Maharani	A Study on Conversion of DFA to Regular Expression
8.	121011359045	B. Mughilarasi	A Study on Non-Deterministic Finite Automata
9.	121011359046	K. Parkavi	A Study on Regular Expression and its Example
10.	121011359047	M. R. Reshmaa Raaj	A Study on Application of Automata Theory in Game Theory
11.	121011359048	K. Sowndaryalakshmi	A Study on Programming Techniques of Turing Machine
12.	121011359049	R. Srilekha	A Study on Pumping Lemma for Context Free Language
13.	121012359050	M. Sri Ram Siddarth	A Study on Regular Expression and its Illustration
14.	121011359051	I. Subiksha	A Study on Pushdown Automata and its Problems
15.	121012359052	R. B. Sugandhan	A Study on Parse Tree and its Illustrations
16.	121011359053	N. Vaishnavi	A Study on Finite Automaton and its Example
17.	121012359054	P. Vignesh	A Study on Closure Properties of Regular Languages
18.	121012359055	S. Vignesh	A Study on Turing Machine with Applications and Problems
19.	121011359057	S. Vivedha	A Study on Strings and its Application

**Course Code & Name : YMA304 Mathematical Statistics****Guided By : Dr.R.Arumugam**

S.No.	Register No.	Name	Topic
1.	121011359038	S. Aarthi	A Study on Chi- Square Test of Goodness of Fit
2.	121011359039	S. Abinaya	A Study on Correlation Co-Efficient
3.	121011359040	A. Arundathi	A Study on F-Test
4.	121012359041	S. Dineshmukilan	A Study on Mathematical Statistics in Business Research
5.	121011359042	M. Elakkiya	A Study on Least Square Method and its Application
6.	121011359043	R. Elanthendral	A Study on T Test Distribution

7.	121011359044	S. Maharani	A Study on One Way ANOVA and its Based Problem
8.	121011359045	B. Mughilarasi	A Study on Karl Pearson's Coefficient Correlation
9.	121011359046	K. Parkavi	A Study on Small Sample Tests in Testing for Hypothesis
10.	121011359047	M. R. Reshmaa Raaj	A Study on Statistical Quality Control
11.	121011359048	K. Sowndaryalakshmi	A Study on Analysis of Variance Using SPSS
12.	121011359049	R. Srilekha	A Study on Least Square Method
13.	121012359050	M. Sri Ram Siddarth	A Study on Product Sales Details in TAFCORN
14.	121011359051	I. Subiksha	A Study on One Way ANOVA and its Based Problems
15.	121012359052	R. B. Sugandhan	A Study on Control Chart Used in Filed of the Poti guar Basin / Brazil
16.	121011359053	N. Vaishnavi	A Study on Control Charts and its Type
17.	121012359054	P. Vignesh	A Brief Study on Acceptance of Sampling
18.	121012359055	S. Vignesh	A Study on Two-Way Anova and its Problems
19.	121011359057	S. Vivedha	A Study on Chi- Square Test of Independence of Attributes

Course Code & Name : YMA3E2 Numerical Methods			Guided By : Dr. C.Vimala
S.No.	Register No.	Name	Topic
1.	121011359038	S. Aarthi	A Study on Numerical Integration and its Application
2.	121011359039	S. Abinaya	A Study on Newton Rapson Method and its application
3.	121011359040	A. Arundathi	A Study on Bisection Method and its Application
4.	121012359041	S. Dineshmukilan	A Study on Curve Fitting and its Applications
5.	121011359042	M. Elakkiya	A Study on Earthwork Volume and Comparison of Simpsons 1/3rd Rule and 3/8 Rule
6.	121011359043	R. Elanthendral	A Study on Gauss Jordan Method and its Application in Traffic Flow
7.	121011359044	S. Maharani	A Study on Numerical Differentiation and its Application
8.	121011359045	B. Mughilarasi	A Study on Application of Runge Kutta Method to Solve Hydrogen Positronium Atoms.
9.	121011359046	K. Parkavi	A Study on Simpson's One-Third Rule and its Application
10.	121011359047	M. R. Reshmaa Raaj	A Study on Application of Runge-Kutta Method in Traffic Flow Model
11.	121011359048	K. Sowndaryalakshmi	A Study on Gauss-Seidel Method and its Applications

12.	121011359049	R. Srilekha	LaGrange's Interpolation Formula and its Application
13.	121012359050	M. Sri Ram Siddarth	A Study on Comparison of Gauss-Jacobi Method and Gauss-Seidel Method
14.	121011359051	I. Subiksha	A Study on Application of Load Flow Analysis by Gauss Seidel Method
15.	121012359052	R. B. Sugandhan	A Study on Bisection Method Calculating the Depth of Submerged Ball in RO Water System
16.	121011359053	N. Vaishnavi	A Study on Trapezoidal Rule and its Example
17.	121012359054	P. Vignesh	A Study on Newton Divided Difference Interpolating Polynomial
18.	121012359055	S. Vignesh	A Study on Gauss Jacobi Method and its Application
19.	121011359057	S. Vivedha	A Study on Milne's Predictor Corrector Method and its Application

Course Code & Name : YMA401 Complex Analysis			Guided By : Dr. J. Jayanthi
S.No	Register No.	Name	Topic
1.	121011359038	S. Aarthi	A Study on Residue theorem and its related problems
2.	121011359039	S. Abinaya	A Study on Argument principle and related theorems and problems
3.	121011359040	A. Arundathi	A Study on Evaluation of Definite Integrals
4.	121012359041	S. Dineshmukilan	A Study on Mean value property and its illustrations
5.	121011359042	M. Elakkiya	A Study on Boundary value theorem
6.	121011359043	R. Elanthendral	A Study on Reflection principle Power Series and product development
7.	121011359044	S. Maharani	A Study on Gamma function and periodic function in Complex Analysis
8.	121011359045	B. Mughilarasi	A Study on Weierstrass and Hadamard Factorization theorem
9.	121011359046	K. Parkavi	A Study on Taylor series and Contour integration
10.	121011359047	M. R. Reshmaa Raaj	A Study on Laurent Series
11.	121011359048	K. Sowndaryalakshmi	A Study on Hyperbolic, Elliptic, Parabolic and Some Special Transformations
12.	121011359049	R. Srilekha	A Study on Cauchy's Integral Theorem
13.	121012359050	M. Sri Ram Siddarth	A Study on Continuous function and analytic function
14.	121011359051	I. Subiksha	A Study on Complex integration and its based theorem
15.	121012359052	R. B. Sugandhan	A Study on Contour integration and its illustration
16.	121011359053	N. Vaishnavi	A Study on Complex integration and its theorem

17.	121012359054	P. Vignesh	A Study on Schwarz theorem
18.	121012359055	S. Vignesh	A Study on Zeros and Singularity with Weierstrass theorem
19.	121011359057	S. Vivedha	A Study on Cauchy theorem for rectangle and Open disc

**Course Code & Name : YMA402 Functional Analysis**

**Guided By : Dr. R. Balakumar**

<b>S.No</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
1.	121011359038	S. Aarthi	A Study on Normed space and its theorem
2.	121011359039	S. Abinaya	A Study on Normed linear space and continuity of linear maps and related theorems
3.	121011359040	A. Arundathi	A Study on Normed Space and it's based Examples
4.	121012359041	S. Dineshmukilan	A Study on Normed spaces and it's types
5.	121011359042	M. Elakkiya	A Study on Normed spaces and it's theorem
6.	121011359043	R. Elanthendral	A Study on Theorem and corollary based on continuity linear map
7.	121011359044	S. Maharani	A Study on open mapping theorem in Functional Analysis
8.	121011359045	B. Mughilarasi	A Study on Bounded linear Maps
9.	121011359046	K. Parkavi	A Study on Hahn -Banach Lemma

10.	121011359047	M. R. Reshmaa Raaj	A Study on Hahn-Banach Separation Theorem
11.	121011359048	K. Sowndaryalakshmi	A Study on Hahn-Banach Extension Theorem
12.	121011359049	R. Srilekha	A Study on Taylor Foguel Theorem
13.	121012359050	M. Sri Ram Siddarth	A Study on Banach space and it's theorem
14.	121011359051	I. Subiksha	A Study on Banach space and its theorem
15.	121012359052	R. B. Sugandhan	A Study on Uniform boundedness principle
16.	121011359053	N. Vaishnavi	A Study on normed spaces and its theorem
17.	121012359054	P. Vignesh	A Study on Uniform boundedness principle theorem
18.	121012359055	S. Vignesh	A Study on Richardson's model for arms race
19.	121011359057	S. Vivedha	A Study on Closed graph theorem

**Course Code & Name : YMA403 Mathematical Modeling**

**Guided By : Dr. P. Geetha**

S.No	Register No.	Name	Topic
1.	121011359038	S. Aarthi	A Study on linear growth and decay model
2.	121011359039	S. Abinaya	A Study on Interest compounded continuously and Radioactive decay
3.	121011359040	A. Arundathi	A Study on Growth and Decay Models

4.	121012359041	S. Dineshmukilan	A Study on Logistic law of population growth
5.	121011359042	M. Elakkiya	A Study on spreading infectious diseases and technology
6.	121011359043	R. Elanthendral	A Study on Rate of dissolution and law of mass action
7.	121011359044	S. Maharani	A Study on compartment models
8.	121011359045	B. Mughilarasi	A Study on Diffusion of Glucose or A medicine in a blood stream
9.	121011359046	K. Parkavi	A Study on dynamics through Ordinary Differential Equation on first order
10.	121011359047	M. R. Reshmaa Raaj	A Study on Motion of a Rocket in Mathematical Modelling
11.	121011359048	K. Sowndaryalakshmi	A Study on Mathematical Modelling Through Geometrical problems
12.	121011359049	R. Srilekha	A Study on Orthogonal trajectories and it's Problems
13.	121012359050	M. Sri Ram Siddarth	A Study on Prey predictor model and competition model
14.	121011359051	I. Subiksha	A Study on Multi species and age structured population models in mathematical modelling
15.	121012359052	R. B. Sugandhan	A Study on epidermis through system of ODE of 1st order
16.	121011359053	N. Vaishnavi	A Study on mathematical modelling in medicine
17.	121012359054	P. Vignesh	A Study on Richardson's model for arms race
18.	121012359055	S. Vignesh	A Study on Domar macro model
19.	121011359057	S. Vivedha	A Study on Modelling in Dynamics

Department of Mathematics

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BONAFIDE CERTIFICATE

Certified that this case study report on "A STUDY ON METRIC SPACE" for YMA102-  
REAL ANALYSIS is the Bonafide work of Ms G. ALIES PRINCY Reg.No.  
122011359058 who carried out the case study under my supervision.

*G. Alies Princy*  
Signature of the Student

*A. Selvaraj*  
Signature of Course incharge  
(Dr. K. Selvaraj)

*S. M. Buvaneswari*  
Signature of the Head  
of the Department  
(Dr. S. Buvaneswari)

Department of Mathematics

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Certified that this case study report on "A study on Isomorphism of a Field and its  
Examples" for YMA201-ALGEBRA-II is the Bonafide work of Ms G. SUDHESHA  
Reg. 122011359070 who carried out the case study under my supervision.

*G. Sudhesha*  
Signature of the Student

*P. N. Sudha*  
Signature of Course Incharge  
(Dr. P. N. Sudha)

*S. M. Buvaneswari*  
Signature of the Head of the Department  
(Dr. S. Buvaneswari)



DEPARTMENT OF MATHEMATICS

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Email: [headmaths@pnu.edu](mailto:headmaths@pnu.edu) web: [www.pnu.edu](http://www.pnu.edu)



BONAFIDE CERTIFICATE

Certified that this case study report on "A STUDY ON TRANSCENDENTAL NUMBERS AND ITS EXAMPLES" for YMA301-FIELD THEORY is the bonafide work of A. ARUNDATHI Reg No:121011359040 who carried out the case study under my supervision.

*A. Arundathi*  
Signature of the student

*P. N. Sudha*  
Signature of the course in charge  
(Dr. P. N. SUDHA)

*Dr. S. Buvaneshwari*  
Signature of the HOD  
(Dr. S. BUVANESWARI)  
Associate professor  
Head, Department of Mathematics

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BONAFIDE CERTIFICATE

Certified that this real time evaluation report on "A STUDY ON NORMED LINEAR SPACE AND CONTINUITY OF LINEAR MAPS AND RELATED THEOREMS" for YMA402 FUNCTIONAL ANALYSIS is the Bonafide work of Ms. S. ABINAYA Reg. No. 121011359039 who carried out the case study under my supervision.

*S. Abinaya*  
Signature of the Student

*Dr. R. Balakumar*  
Signature of Course Incharge  
(Dr. R. BALAKUMAR)

*Dr. S. Buvaneshwari*  
Signature of the Head of the Department  
(Dr. S. BUVANESWARI)

# DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENGINEERING

<b>Topic / Nature of Work</b>	<b>Real Time Implementation of Automation of Street Lights by Students</b>
<b>Date (if applicable)</b>	21.04.2023
<b>Guided by</b>	Dr.C.Narmadha , Asso.Prof / Head ECE Ms.S.Hemambujavalli, Assistant Professor, Department of ECE.
<b>Participants:</b> Batch/ Year/ Semester/Section	B.Tech(ECE): 2020-2024/III/VI

B.Tech (ECE) (2020-2024/III/VI) students have participated in **Problem solving** as mini –project as “**Real Time Implementation of Automation of Street Lights**” from TB1 block to Nagammaiyar hostel in our PMIST by this project information about advancements in energy saving possibilities of street lighting by IR sensor and LDR sensor. Students actively participated and implemented the street light automation. Through this **Problem Solving Activity**, they developed their own ideas and got the experience to prove their practical skills and assertions.



<b>Topic / Nature of Work</b>	<b>Automatic Water tank Controller – Real Time Implementation by Students</b>
<b>Date (if applicable)</b>	21.04.2023
<b>Guided by</b>	Dr.C.Narmadha , Asso.Prof / Head ECE Ms.T.Guru priya, Assistant Professor, Department of ECE.
<b>Participants:</b> Batch/ Year/ Semester/Section	B.Tech(ECE): 2021-2025/II/IV

B.Tech (ECE) (2021-2025/II/IV) students have actively installed the “**Automatic Water tank Controller – Real Time Implementation**” in PKC,TB-1 main block and Nagammaiyar hostel in our PMIST. Students solved the problem of waste of water and find the solution to reduce the manpower Through this **Problem Solving Activity**, they developed their own ideas and got the experience to prove their practical skills and assertions.



**Thanjavur, Tamil Nadu, India**  
P3JF+84R, Pillayarpatti - RTO Office Rd,  
Thanjavur, Tamil Nadu 613010, India  
Lat 10.730842°  
Long 79.072749°  
08/03/23 12:33 PM GMT +05:30



**Tirumalai Samudram, Tamil Nadu, India**  
P2J3+V7W, Tirumalai Samudram, Tamil Nadu  
613301, India  
Lat 10.732436°  
Long 79.003283°  
07/02/23 01:12 PM GMT +05:30

# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Location</b> (If applicable)	
<b>Date</b>	
<b>Faculty Accompanied / Guided by</b>	◦ Dr.V.Hamsadhwani & Mr.Rakesh
<b>Participants: Batch/ Year/ Semester/Section</b>	2016-21 / IV / VIII / A & B
<b>Description</b>	Enable to carry out Mini projects ranging from critical thinking to project management leading to self-confidence



Image showing the experimental Set up of Lab Experiments



Image showing the case study analysis Student

# DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

## CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Location (If applicable)</b>	PMIST
<b>Date</b>	14.07.2022
<b>Faculty Accompanied / Guided by</b>	◦ Dr. D.Ruby, Associate Professor, Department of CSA
<b>Participants: Batch/ Year/ Semester/Section</b>	II June 2022– November 2022
<b>Description</b>	Conducting Problem Solving to II year students.

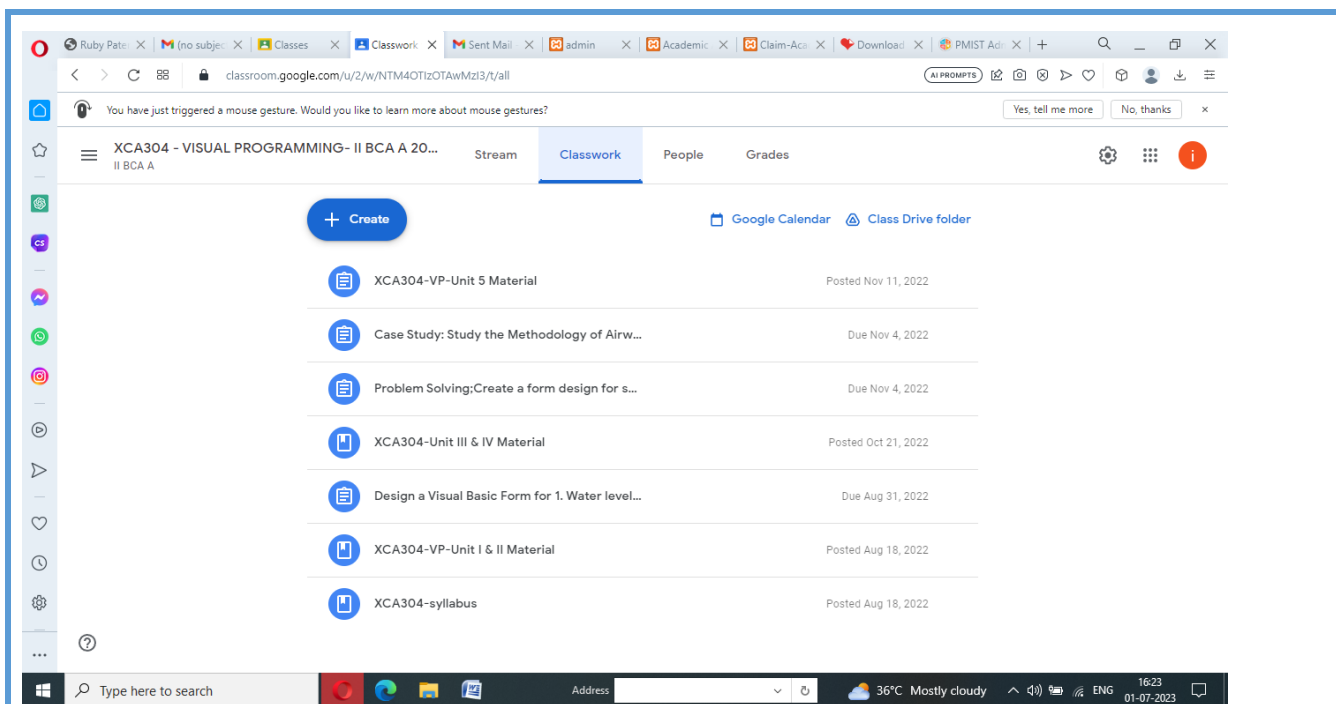


Image showing the Problem solving

## CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Location</b> (If applicable)	PMIST
<b>Date</b>	II January 2023– April 2023
<b>Faculty Accompanied / Guided by</b>	Dr. D.Ruby, Associate Professor, Department of CSA
<b>Participants: Batch/ Year/ Semester/Section</b>	Batch : 2021-2024 Section : C
<b>Description</b>	XCA402 Course Name:Java Programming.



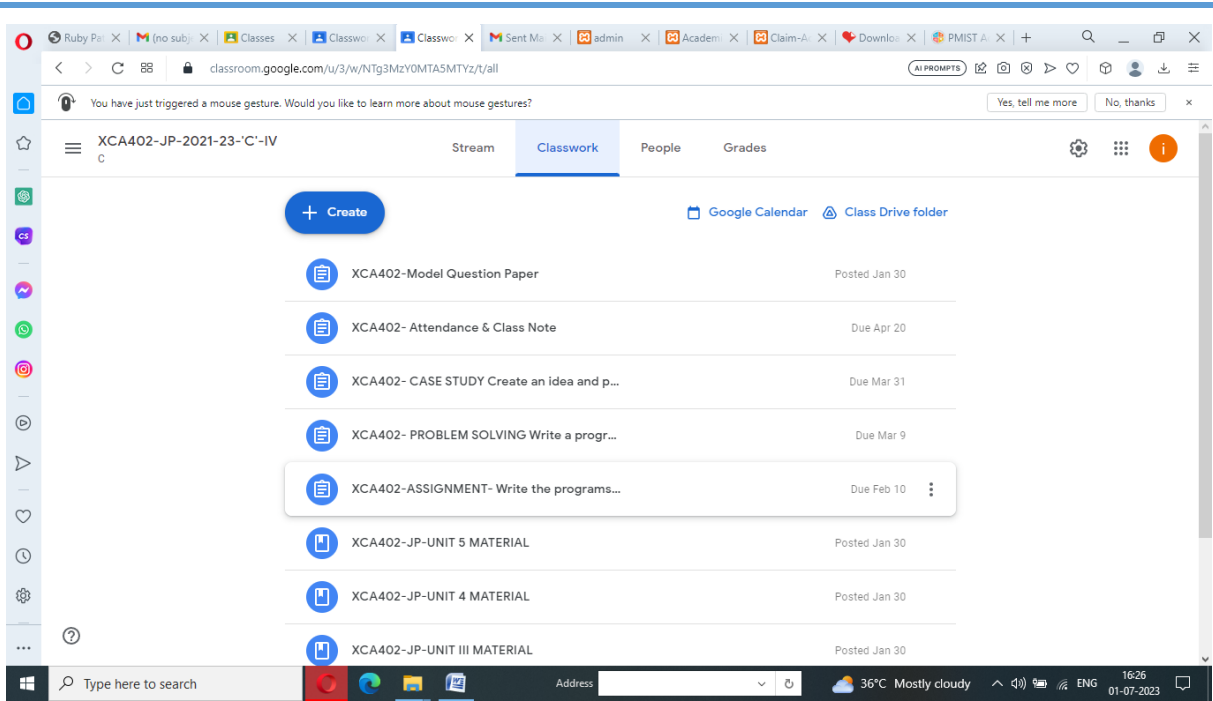


Image showing the Problem solving

# DEPARTMENT OF MANAGEMENT STUDIES

S.NO	Faculty Name	Course Code	Course Name	Activity
1	Dr. B. Mahendra Mohan	YBA301	Strategic Management	Case Study
2	Sathyapriya J	YBA202	Human Resource Management	Case Analysis Presentation
3	Mr.Rosanth I	YBAE06	Banking and Insurance Management	Real Time
4	Ms.K.Domnic Thavagnana Nachathiram	YBAE09	Compensation Management	Case Analysis Presentation

## Problem Solving

Faculty Name : Ms.K.Domnic Thavagnana Nachathiram

Course Code : YBAE09

Course Name : Compensation Management

Activity: Case Analysis Presentation

Joe Black was trying to figure out what to do about a problem salary situation he had in his plant. Black recently took over as president of Acme Manufacturing. The founder and former president, Bill George, had been president for 35 years. The company was family owned and located in a small eastern Arkansas town. It had approximately 250 employees and was the largest employer in the community. A closer examination showed that 14 of the salaried employees were female.

Three of these were front-line factory supervisors and one was the human resources director. The other 10 were non management. This examination also showed that the human resources director appeared to be underpaid, and that the three female supervisors were paid somewhat less than any of the male supervisors. However, there were no similar supervisory jobs in which there were both male and female job incumbents. The HR director told Black that the female supervisors had never complained about pay differences. The HR director agreed to take a sizable salary increase with no back pay, so this part of the problem was solved.

Black believed he had four choices relative to the female supervisors: 1. To do nothing. 2. To gradually increase the female supervisors salaries. 3. To increase their salaries immediately. 4. To call the three supervisors into his office, discuss the situation with them, and jointly decide what to do.

1. If I were Black, I would choose option 4: to call the three supervisors into my office, discuss the situation with them, and jointly decide what to do. This approach promotes transparency, involves the affected parties, and allows for a collaborative resolution that takes into account their perspectives and needs.
2. The company likely got into this situation due to a lack of a structured and fair compensation system. The former president, Bill George, seemed to have allowed individual bargaining for salaries, which resulted in pay inequity. Additionally, there may have been gender bias in salary decisions, as suggested by the HR director's comments.
3. I would suggest Black pursue option 4 because it addresses the issue directly and involves open communication with the affected supervisors. By discussing the situation jointly, they can work towards a fair resolution that considers their unique circumstances, without immediately upsetting the male supervisors or risking legal action.

REAL TIME


Faculty Name : Mr.Rosanth I

Course Code : YBAE06

Course Name : Banking and Insurance Management

Activity: Real Time

TOPIC



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(Deemed to be University)  
Established Under Sec. 3 of UGC Act, 1956 - NAAC Accredited  
think • innovate • transform  
Periyar Nagar, Vallam, Thanjavur

Name of the Students : *Latheeja . A.S*

University Reg. No. : *122011403753*

Class : *II - MBA*

Section : *A*

Course Name : *Banking and Insurance Management*

Course Code : *YBAE06*

Assignment No. *2*

Real Time Evolution Report No.

Topic : *Merits and demerits of Demonetisation*

Submission due date : *08.09.23*

Date of Submission : *08.09.23*

Credit Award : \_\_\_\_\_

Total Credit : \_\_\_\_\_

Submitted To : \_\_\_\_\_

## ABOUT DEMONETIZATION IN INDIA

### DEMONETIZATION IN 2016:

**Dates: 8 Nov 2016:** From a move that was aimed at breaking “the grip of corruption and black money” in the country to pushing India towards a “cashless economy,” — these were the reasons put forth by the Central government after PM Modi announced the demonetization move.

#### **A. ADVANTAGES OF DEMONETIZATION TO THE BANKING SECTOR:**

##### **1. Improves Currency Circulation:**

Due to demonetization, people deposit their physical cash in the banks for exchange with valid currency; this helps extract all the struck cash piled in the homes that were out of circulation. For a healthy economy, the continuous flow of currency is very important; if the currency is in circulation, there will be less stress on the government to print new notes and incur extra expenses.

<https://www.javatpoint.com/advantages-and-disadvantages-of-demonetization>

##### **2. Decreased cases of tax evasion:**

The sudden severe movement can considerably reduce tax avoidance if executed successfully. Tax avoidance can give a terrific boost to the Indian economy. The increased flow of taxes can enable the government to undertake public welfare measures.

<https://www.aplustopper.com/demonetisation-advantages-and-disadvantages/>

##### **3. Cashless & Digital economy :**

A better step towards Digital India. There are now several to being digital. There are several banks, several digital wallets and new payments banks entering the markets. Aadhar card linkage everywhere could also be a game changer.

<https://cawinners.com/advantages-and-disadvantages-of-demonetization/>

##### **4. Tackling Black Money:**

The government was able to identify more than 37,000 shell companies that were engaged in hawala transactions and money laundering.

<https://www.careerlauncher.com/rbi-grade-b/demonetization-in-india/>

5. Reduction in illegal activity Banning high-value currency will halt illegal activity as the cash provided for such activities has no value now. Black money is usually used to fund the illegal

# DEPARTMENT OF COMMERCE

## Problem Solving Methods

<b>Location (If applicable)</b>	Google Classroom
<b>Date</b>	18.02.2023
<b>Faculty Accompanied / Guided by</b>	<b>Dr.N.Jayanthi Associate Professor and Head, Department of Commerce</b>
<b>Participants: Batch/ Year/ Semester/Section</b>	2020-23 / III B.Com CS / V Semester
<b>Description</b>	<b>Cost Accounting Problems relating to tenders, quotation and material cost are discussed</b>



Meet  
Generate link

Announce something to your class

Class code  
ydju3sv

Dr.N.Jayanthi AP / Commerce posted a new assignment: Unit V Problems  
Nov 11, 2022

Dr.N.Jayanthi AP / Commerce posted a new assignment: Contract Costing Problems- 2 meth...  
Nov 9, 2022

## XCR502 Cost Accounting QUIZ

CA3.4 QUIZ Cost Accounting

Email \*

Valid email

This form is collecting emails. [Change settings](#)

Register Number

Short answer text

Name of the student



Google Form is used to collect the responses of students to assess their problem solving skills

### CASE STUDY ANALYSIS

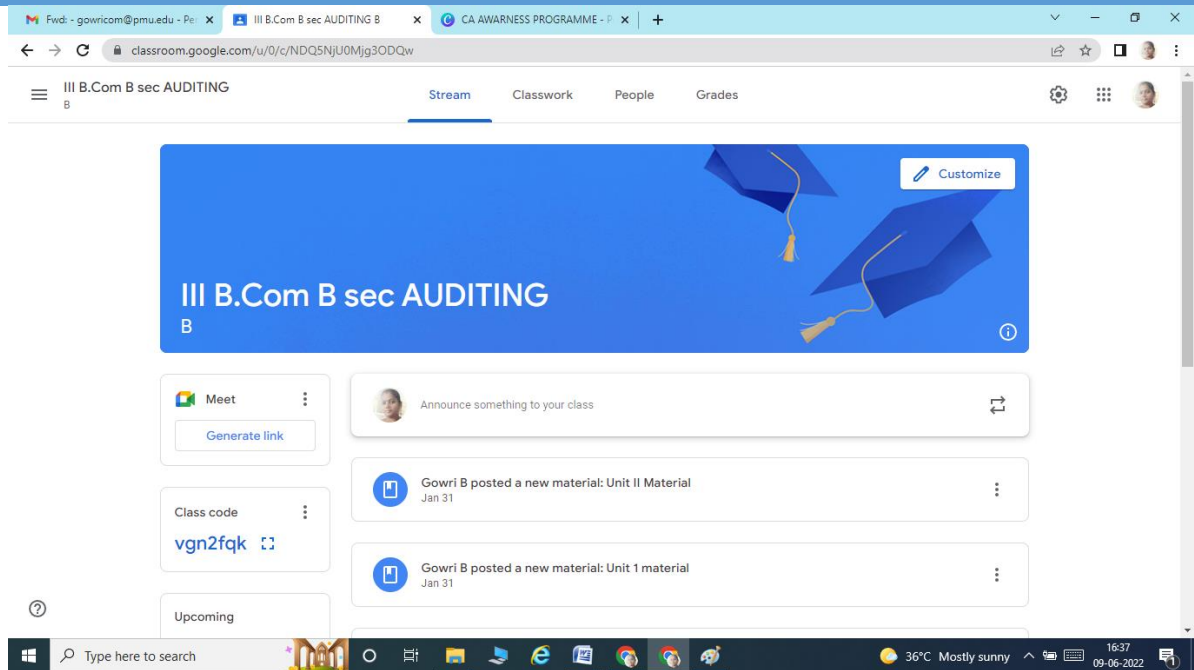
<b>Location</b> (If applicable)	Class Room
<b>Date</b>	07.04.2022
<b>Faculty Accompanied / Guided by</b>	<b>Ms B GOWRI Assistant Professor, Department of Commerce</b>
<b>Participants: Batch/ Year/ Semester/Section</b>	2019-22 / III / VI / B Com
<b>Description</b>	<b>A Case study on Auditing</b>

☐ “It is well accepted in auditing that throughout the conduct of the ordinary audit, it is essential to obtain large amounts of information from management and to rely heavily on management’s judgments. After all, the financial statements are management’s representations, and simple, it is extremely difficult, if not impossible, for the auditor to evaluate the obsolescence inventory as well as management can in a highly complex business Similarly, the collectability of accounts receivable and the continued usefulness of machinery and equipment are heavily dependent on management’s willingness to provide truthful responses to questions.” Reconcile the auditor’s responsibility for discovering material misrepresentations by management with these comments.

Ans: True, the auditor must rely on management for certain information in the conduct of his or her audit. However, the auditor must not accept management’s representations blindly. The auditor must, whenever possible, obtain competent evidential matter to support the representations of management. As an example, if management represents that certain inventory is not obsolete, the auditor should be able to examine purchase orders from customers that prove part of the inventory is being sold at a price that is higher than the company’s cost plus selling expenses. If management represents an account receivable as being fully collectible, the auditor should be able to examine subsequent payments by the customer or correspondence from the customer that indicates a willingness and ability to pay.



The challenges faced by the Auditor at the time of auditing was discussed in the session



### CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Location</b> (If applicable)	Google class room
<b>Date</b>	08.09.2022
<b>Faculty Accompanied / Guided by</b>	◦ P.SARANYA, Assistant Professor, Department of commerce
<b>Participants: Batch/ Year/</b>	2021-24 / II / III / A

<b>Semester/Section</b>	
<b>Description</b>	The problem under the head of income from house property was given



**Meet** ⋮

**Join**

Visible to students

Announce something to your class

SARANYA P AP COMMERCE posted a new material: TAX PLANNING  
Sep 5 (Edited 4:14 PM)

Class code ⋮

**c6qi7tg**

**[Elementary] Amalesh owns a house property which is let-out for ` 6,500 per month. The fair rent of the property is ` 90,000. Municipal taxes paid during the year for each half year is ` 3,200. The tenant has spent ` 10,000 towards repairs of the property during the year. Compute the income from house property for the assessment year 2022-23.**

The problem under the head of income from house property was given

### Computation of Income from House Property

(Assessment Year 2022-23)

	Amount (₹)
Gross Annual Value (Note 1)	90,000
<b>Less: Municipal Taxes paid (Note 2)</b>	6,400
Net Annual Value (NAV)	83,600
<b>Less: Deduction under section 24</b>	
Standard (30% of ₹ 83,600)	(25,080)
<b>Taxable Income from House property</b>	<b>58,520</b>

#### Working Notes:

- The GAV of the house property is determined as under:

#### Step 1: Computation of Expected Rent

(a)	Municipal Valuation	:	NA
(b)	Fair Valuation	:	₹ 90,000
(c)	Higher of (a) and (b)	:	₹ 90,000
(d)	Standard Rent	:	NA

Expected Rent = Lower of (c) and (d) = ₹ 90,000

#### Step 2: Computation of Gross Annual value

(i) Expected Rent (As per step 1) : ` 90,000

(ii) Actual Rent Received (6,500 × 12) : ` 78,000

**Gross Annual Value:** The expected rent is higher than the rent received. Thus, the expected rent i.e. ` 90,000 shall be GAV.

2. The Municipal Taxes paid during the year for **each half year** is ` 3,200 i.e. ` 6,400 annual.

The above analysis was worked out in that session.

<b>CASE STUDY ANALYSIS / REAL TIME PROJECTS</b>	
<b>Location</b> (If applicable)	Google Classroom
<b>Date</b>	10.02.22
<b>Faculty Accompanied / Guided by</b>	Ms.K.Sumithra Assistant professor , Department of commerce
<b>Participants: Batch/ Year/ Semester/Section</b>	2020-23/II/IV/A
<b>Description</b>	A case study on Performance appraisal
<p>Describe traditional and Modern Techniques of Performance Appraisal</p> <p>Illustrate the performance appraisal conducted by the Tata Consultancy Services (TCS) for IT employees and BPO employees and also describe how the company is even looking at how senior executives should be appraised.</p> <p>Past- Oriented Methods/ Traditional methods</p> <ol style="list-style-type: none"><li>1. Checklist</li><li>2. Force choice method</li><li>3. Forced distribution method</li></ol>	

4. Critical incidents method

5. Behaviorally Anchored Rating Scale

The challenges faced by the by the Business Organization was discussed in the session

The screenshot shows a Google Classroom interface for a class named "li B.com (Hons)". At the top right, there is a "Customize" button. Below the header, there are several sections:

- Meet:** A section with a "Meet" icon and a "Generate link" button.
- Class code:** A section showing the class code "ek2okbl" with a refresh icon.
- Upcoming:** A section with the text "No work due soon" and a "View all" link.
- Announcements:** A list of three announcements from "Sumithra AP Commerce K":
  - "Announce something to your class" (with a refresh icon)
  - "Sumithra AP Commerce K posted a new material: Allotment and issue of shares" (dated Mar 17)
  - "Sumithra AP Commerce K posted a new material: Training and development." (dated Mar 10)
  - "Sumithra AP Commerce K posted a new material: Importance of training and development" (dated Mar 10)

Past- Oriented Methods/ Traditional methods

1. Checklist

2. Force choice method

3. Forced distribution method
4. Critical incidents method
5. Behaviorally Anchored Rating Scale

### CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Location</b> (If applicable)	Google Classroom
<b>Date</b>	6.1.22
<b>Faculty Accompanied / Guided by</b>	Ms.K.Sumithra Assistant professor , Department of commerce
<b>Participants: Batch/ Year/ Semester/Section</b>	2020-23/II/IV/A
<b>Description</b>	A case study on incorporation of company

The Promoter of the XYZ Private Limited (a Start-up Registered company) incorporated on 20th June, 2017 is willing to accept deposit from its members. The shareholding of Mr. X and Mr. Y and Mr. Z as on the 31st March 2018 is as under:

Mr. X Director of the company holding 2000 shares of Rupees 100 per share

Mr. Y Friend of Mr. X

Mr. Z 1500 Shares of Rupees 100 per share The Company is not having investment in any Subsidiary Company and Associate Company, the borrowing from the Financial Institutions as on 31st March, 2018 is Rupees 10 Crores.

On the basis of the above information, Please advise on the following:

- i. Whether the company can accept deposit from Mr. X
- ii. Whether the company can accept deposit from Mr. Y
- iii. Whether the company can accept deposit from Mr

# 11.B.com A company law XCG401

Meet

Generate link

Class code

djfjlyr

Upcoming

No work due soon

View all

Saved announcements (1)

Announce something to your class

Sumithra AP Commerce K posted a new material: Company meetings  
Mar 20

Sumithra AP Commerce K posted a new material: Powers duties and liabilities of director  
Mar 20

Sumithra AP Commerce K posted a new material: Qualification and disqualification of director  
Mar 20

Sumithra AP Commerce K posted a new material: Restrictions on number of directorship  
Mar 20

## Whether the company can Accept deposit from Mr.X

As per the Companies (Acceptance of Deposit) Rules, 2014 any amount received from a person who, at the time of the receipt of the amount, was a director of the company or a relative of the director of the Private Company is exempted under the deposit rules. However in such case the director of the company or relative of the director of the private company, as the case may be, from whom money is received, furnishes to the company at the time of giving the money, a declaration in writing to the effect that the amount is not being given out of funds acquired by him by borrowing or accepting loans or deposits from others and the company shall disclose the details of money so accepted in the Board's report.

Hence the company can accept deposit from MR.X as he is the Director of the company with No limit on the amount of deposit, further he need to give declaration on the same.

Whether the company can accept deposit from Mr. Y

No, the Company cannot accept deposit from Mr. B as he is not the director, relative of the directors of the company also he is not the members of the company. The definition of the private company prohibited for any invitation of the public to subscribe for any securities of the company

Whether the company can accept deposit from Mr. Y

Yes, the company can accept deposit from Mr. Z as per MCA notification dated 13th June, 2017, the provision the provision of clauses (a) to (e) of sub-section (2) of section 73 shall not apply to following class of private company-

(A) which accepts from its members monies not exceeding one hundred per cent. of aggregate of the paid up share capital, free reserves and securities premium account; or

(B) which is a start-up, for five years from the date of its incorporation; or

(C) which fulfils all of the following conditions, namely:-

(a) which is not an associate or a subsidiary company of any other company;

(b) if the borrowings of such a company from banks or financial institutions or anybody corporate is less than twice of its paid up share capital or fifty crore rupees, whichever is lower; and

(c) such a company has not defaulted in the repayment of such borrowings subsisting at the time of accepting deposits under this section:

In the above case the company is fits in the various conditions placed in the section for private limited companies for acceptance of deposit. Accordingly, the company can accept deposits from its members up to the one hundred per cent. of aggregate of the paid up share capital, free reserves and securities premium account.

#### **iv. What will be the maximum limits up to which the deposit can be accepted?**

As per rule 3(3) of the Companies (Deposit )Rules, 2014 o No company referred to in sub-section (2) of section 73 shall accept or renew any deposit from its members, if the amount of such deposits together with the amount of other deposits outstanding as on the date of acceptance or renewal of such deposits exceeds thirty five per cent of the aggregate of the Paid-up share capital, free Reserves and securities premium account of the company.

However maximum limit in respect of deposits to be accepted from members shall not apply to following classes of private companies, namely:-

(i) a private company which is a start-up, for five years from the date of its incorporation;

(ii) a private company which fulfils all of the following conditions, namely:-

(a) which is not an associate or a subsidiary company of any other company;

(b) the borrowings of such a company from banks or financial institutions or any body corporate is less than twice of its paid up share capital or fifty crore rupees, whichever is less ; and



# DEPARTMENT OF MATHEMATICS

## CASE STUDY ANALYSIS / REAL TIME PROJECTS

<b>Location</b> (If applicable)	
<b>Date</b>	21.11.2022 to 28.11.2022 /13.03.2023 – 20. 03.2023 19.09.2022 – 28.09.2022 /15.02.2023 -20.02.2023
<b>Faculty Accompanied / Guided by</b>	List Attached
<b>Participants: Batch/ Year/ Semester/Section</b>	2022-2023/ I Year / I Sem & II Sem /A Batch: 2021-2023/ II Year / III Sem & IV Sem /A
<b>Description</b>	

Course Code & Name : YMA101 Algebra - I			Guided By : Dr.P.N.Sudha
S.No.	Register No.	Name	Topic
1.	122011359058	Alies princy G	A study on Binary operations on a set
2.	122011359059	Anu S	A study on Binary operations on groups
3.	122011359060	Diviyameenatchi S	A study on Groups and their properties
4.	122011359061	Gayathri M	A study on groups and illustrations
5.	122011359062	Janani M	A study on Subgroups on groups
6.	122011359063	Kamaleshwari K	A study on Subgroups on groups

7.	122012359064	Manoj M	A study on Cyclic groups and its illustrations
8.	122011359065	Mercy priya V	A study on Cyclic groups and its examples
9.	122011359066	Monisha M	A study on groups of Permutation and its examples
10.	122011359067	Nivetha S	A study on groups of Permutation and its illustrations
11.	122011359069	Shyamala devi V	A study on Symmetric group and its examples
12.	122011359070	Sudheshna G	A study on rings and their properties

<b>Course Code &amp; Name : YMA102 Real Analysis - I</b>			<b>Guided By : Dr.K.Selvaraj</b>
<b>S.No.</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
1.	122011359058	Alies princy G	A study on Metric Space
2.	122011359059	Anu S	A study on convergent sequences
3.	122011359060	Diviyameenatchi S	A study on open balls in metric space
4.	122011359061	Gayathri M	A study on open set and its properties
5.	122011359062	Janani M	A study on Sequence of Real number
6.	122011359063	Kamaleshwari K	A study on Series of Real number
7.	122012359064	Manoj M	A study on Limit theorem and its illustrations
8.	122011359065	Mercy priya V	A study on Monotone Sequence
9.	122011359066	Monisha M	A study on Cauchy Sequence
10.	122011359067	Nivetha S	A study on Superior and Inferior limits
11.	122011359069	Shyamala devi V	A study on Bounded set in Metric space
12.	122011359070	Sudheshna G	A study on Dense set on Metric space.

<b>Course Code &amp; Name : YMA103 Graph Theory</b>			<b>Guided By :</b>
<b>Dr.S.Buvanewari</b>			
<b>S.No.</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
1.	122011359058	Alies princy G	A Study on Handshaking theorem and application
2.	122011359059	Anu S	A Study on "TREE" based theorems and application in graph theory
3.	122011359060	Diviyameenatchi S	A Study on complete graph and its applications
4.	122011359061	Gayathri M	A Study on Bipartite graph
5.	122011359062	Janani M	A Study on Brook's theorem
6.	122011359063	Kamaleshwari K	A Study on Four color theorem and Kuratowski theorem

7.	122012359064	Manoj M	A Study on basic definition of graph theory and illustrations
8.	122011359065	Mercy priya V	A Study on Some basic definitions and theorem and its application
9.	122011359066	Monisha M	A Study on Eulerian graphs and matching based theorem and applications
10.	122011359067	Nivetha S	A study on Hamiltonicity of graphs
11.	122011359069	Shyamala devi V	A Study on Basic definition and theorem and applications
12.	122011359070	Sudheshna G	A Study on Five color theorem

**Course Code & Name : YMA104 Ordinary Differential Equations      Guided by : Dr.S.Dilip Jose**

S.No.	Register No.	Name	Topic
1.	122011359058	Alies princy G	A study on Series solution of first order equation
2.	122011359059	Anu S	A study Review of power series second order linear equation
3.	122011359060	Diviyameenatchi S	A study on Regular singular points and its problem
4.	122011359061	Gayathri M	A study on Regular singular points and its problem
5.	122011359062	Janani M	A study on Gauss's hypergeometric equation
6.	122011359063	Kamaleshwari K	A study on Legendre polynomial
7.	122012359064	Manoj M	A study on Properties of Legendre polynomial
8.	122011359065	Mercy priya V	A study on Bessel function
9.	122011359066	Monisha M	A study on Linear system of first order equation
10.	122011359067	Nivetha S	A study on Homogeneous equation with constant coefficient
11.	122011359069	Shyamala devi V	A study on Oscillation theory
12.	122011359070	Sudheshna G	A study on Picard's theorem

**Course Code & Name: YMA105 Optimization Techniques      Guided By : Dr. R.Arumugam**

S.No.	Register No.	Name	Topic
1.	122011359058	Alies princy G	A study on PERT/CPM techniques for optimization of times and cost of horizontal laminator protection
2.	122011359059	Anu S	A study on Application of decision theory and problems
3.	122011359060	Diviyameenatchi S	
4.	122011359061	Gayathri M	A study on Gradient and steepest method

5.	122011359062	Janani M	A study on Fuzzy application in Psychology
6.	122011359063	Kamaleshwari K	A study on Program evaluations review technique
7.	122012359064	Manoj M	A study on real life applications in Queuing theory
8.	122011359065	Mercy priya V	A study on Inventory management and its cost
9.	122011359066	Monisha M	A study on Decision tree and its examples
10.	122011359067	Nivetha S	A study on Decision making under risk with illustrations
11.	122011359069	Shyamala devi V	A study on Inventory management and its types of costs
12.	122011359070	Sudheshna G	A study on Decision theory

**Course Code & Name : YMA201 Linear Algebra**

**Guided By : Dr.P.N.Sudha**

S.No.	Register No.	Name	Topic
1	122011359058	Alies princy G	A study on ideals and its examples
2	122011359059	Anu S	A study on prime ideal and their examples
3	122011359061	Gayathri M	A study on maximal ideal and its examples
4	122011359062	Janani M	A study on types of fields with its examples
5	122011359063	Kamaleshwari K	A study on primitive polynomial and its application
6	122012359064	Manoj M	A study on irreducible polynomial
7	122011359065	Mercy priya V	A study on reducible polynomial
8	122011359066	Monisha M	A study on Gauss Lemma and its Applications
9	122011359067	Nivetha S	A study on Eisenstein's Criterion of irreducibility with examples
10	122011359069	Shyamala devi V	A study on algebraic and transcendental numbers and its application
11.	122011359070	Sudheshna G	A study on isomorphism of a field and its examples

**Course Code & Name : YMA202 Analysis II**

**Guided By : Dr.K.Selvaraj**

S.No.	Register No.	Name	Topic
1	122011359058	Alies princy G	A Study on function of bounded variation and its examples
2	122011359059	Anu S	A study on Rolle's theorem

3	122011359061	Gayathri M	A Study on Riemann stieltjes integral and its properties
4	122011359062	Janani M	A study on Taylor's formula
5	122011359063	Kamaleshwari K	A study on change of variable in Riemann integral
6	122012359064	Manoj M	Real life application of the mean value theorem
7	122011359065	Mercy priya V	Study on Riemann stieltjes integral and its examples
8	122011359066	Monisha M	A study on chain rule and its applications
9	122011359067	Nivetha S	A study on chain rule with illustrations
10	122011359069	Shyamala devi V	A study on second mean value theorem on Riemann stieltjes integral and its application
11	122011359070	Sudheshna G	A study on fundamental theorem of calculus and its applications

**Course Code & Name : YMA203 Partial Differential Equations****Guided By : Dr.C.Vimala**

S.No.	Register No.	Name	Topic
1	122011359058	Alies princy G	A study on First Order Partial Differential Equations and its example
2	122011359059	Anu S	A Study on Cauchy's problem for First Order and its Applications
3	122011359061	Gayathri M	A Study on Linear Partial Differential Equation of First Order
4	122011359062	Janani M	A Study on Nonlinear Partial Differential Equations of the First Order
5	122011359063	Kamaleshwari K	A Study on Cauchy's Method of Characteristics
6	122012359064	Manoj M	A Study on First Order Partial Differential Equations and its Applications
7	122011359065	Mercy priya V	A Study on Jacobian Matrix and its Applications
8	122011359066	Monisha M	A Study on Linear Partial Differential Equations with Constant Coefficients
9	122011359067	Nivetha S	A Study on Partial Differential Equations with Variable Coefficients
10	122011359069	Shyamala devi V	A Study on Laplace Transforms and Its Applications
11	122011359070	Sudheshna G	A Study on Non - linear Second Order Partial Differential Equations

**Course Code & Name : YMA204 Classical Dynamics****Guided By : Dr.A. Sasikala**

S.No.	Register No.	Name	Topic
1	122011359058	Alies princy G	A Study on Kinetic Energy and its Application
2	122011359059	Anu S	A Study on angular and generalized momentum and their problems
3	122011359061	Gayathri M	A Study on generalized force
4	122011359062	Janani M	A Study on expressions for the kinetic energy and generalized momenta
5	122011359063	Kamaleshwari K	A Study on derivative of Lagrange's equation in dynamics

6	122012359064	Manoj M	A Study on real life application of non holonomic system in unicycle
7	122011359065	Mercy priya V	Study on Lagrangian equation
8	122011359066	Monisha M	A Study on non holonomic constraints and its application
9	122011359067	Nivetha S	A Study on problems based on Lagrange's equation
10	122011359069	Shyamala devi V	A Study on Routhian function and its applications
11	122011359070	Sudheshna G	A Study on Liouville's system and its example

**Course Code & Name : YMA2E2 Combinatorics**

**Guided By : Dr.S. Buvaneswari**

S.No.	Register No.	Name	Topic
1	122011359058	Alies princy G	A Study on partition in integer and its examples
2	122011359059	Anu S	A Study on stirling's formula and its kinds
3	122011359061	Gayathri M	A Study on stirling number of the second kind and its examples
4	122011359062	Janani M	A Study on distribution of object
5	122011359063	Kamaleshwari K	A Study on generating function of combinatorics
6	122012359064	Manoj M	Real life application of distinct object bin
7	122011359065	Mercy priya V	A Study on elementary relation and its application
8	122011359066	Monisha M	A Study on generating function of combinations and its applications
9	122011359067	Nivetha S	A Study on partition in integers with examples
10	122011359069	Shyamala devi V	A Study on enumerators for permutation and its applications
11	122011359070	Sudheshna G	A Study on stirling ferres diagram and its example

**Course Code & Name : YMA205 Computer Programming (c++ Theory and Lab) Guided By : Ms.S.P.Ramya**

S.No.	Register No.	Name	Topic
1	122011359058	Alies princy G	A Study on simple calculator program in C program

2	122011359059	Anu S	A Study on email logging interface in C programming
3	122011359061	Gayathri M	A Study on number system conversion in C programming With source code
4	122011359062	Janani M	A Study on book management in C with source code
5	122011359063	Kamaleshwari K	A Study on students registration in C program
6	122012359064	Manoj M	A Study on library management system
7	122011359065	Mercy priya V	Study on customer billing system using C program
8	122011359066	Monisha M	A Study on save people information using C program
9	122011359067	Nivetha S	A Study on election vote counting in C programming
10	122011359069	Shyamala devi V	A Study on cricket score board sheet using C programming
11	122011359070	Sudheshna G	A Study on guessing game programme using C programming language

Course Code & Name : YMA301 Field theory			Guided By : Dr. P.N.Sudha
S.No.	Register No.	Name	Topic
1.	121011359038	S. Aarthi	A Study on Extension Field in Field theory and some illustrations
2.	121011359039	S. Abinaya	A Study on Finite Field in Abstract Algebra and some illustration
3.	121011359040	A. Arundathi	A Study on Transcendental number and its examples
4.	121012359041	S. Dineshmukilan	A Study on Roots of Polynomial and its related results
5.	121011359042	M. Elakkiya	A Study on Splitting Field
6.	121011359043	R. Elanthendral	A Study on Galois theory and its some illustration
7.	121011359044	S. Maharani	A Study on Fixed Field and some illustrations
8.	121011359045	B. Mughilarasi	A Study on Solvability by Radicals and its illustrations
9.	121011359046	K. Parkavi	A Study on Solvable groups and its theorem
10.	121011359047	M. R. Reshmaa Raaj	A Study on Extension Field and its cases
11.	121011359048	K. Sowndaryalakshmi	A Study on Finite Fields and its Exemplification related to National Eligibility test.
12.	121011359049	R. Srilekha	A Study on Transcendental number
13.	121012359050	M. Sri Ram Siddarth	An Illustration on Splitting Field in Abstract Algebra
14.	121011359051	I. Subiksha	A Study on Roots of Polynomial in Field theory



			and some illustrations
15.	121012359052	R. B. Sugandhan	A Study on Galois theory and its illustrations
16.	121011359053	N. Vaishnavi	A Study on Galois theory and its theorem
17.	121012359054	P. Vignesh	A Study on Minimal Polynomials and some examples
18.	121012359055	S. Vignesh	A Study on Solvable Groups with some illustrations
19.	121011359057	S. Vivedha	A Study on Solvable group and its theorem

<b>Course Code &amp; Name : YMA302      Topology      Guided By : Dr.P.Vijayalakshmi</b>			
<b>S.No</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
1.	121011359038	S. Aarthi	A Study on Continuous Function and its Basic Theorem
2.	121011359039	S. Abinaya	Theorem Based on Continuous Function and Comparison on Box and Product Topology
3.	121011359044	A. Arundathi	A Study on Product Topology and its Based Theorem
4.	121012359041	S. Dineshmukilan	Theorem Based on Metric Topology
5.	121011359042	M. Elakkiya	Theorem Based on Metric Topology
6.	121011359043	R. Elanthendral	A Study on Metric Topology
7.	121011359044	S. Maharani	A Study on Continuous Function and its Basic Theorem
8.	121011359045	B. Mughilarasi	A Study on Connected Space and its Theorems
9.	121011359046	K. Parkavi	A Study on Connected Subspaces of the Real Line
10.	121011359047	M. R. Reshmaa Raaj	Theorem Based on Connectedness and Compactness
11.	121011359048	K. Sowndaryalakshmi	A Study on Compactness and its Theorems
12.	121011359049	R. Srilekha	A Study on Compact Space Based on its Theorem
13.	121012359050	M. Sri Ram Siddarth	A Study on Theorem Based on Compact Space
14.	121011359051	I. Subiksha	A Study on Compact Space and its Based Theorem.
15.	121012359052	R. B. Sugandhan	Theorem Based on Compact Subspaces of Real Line
16.	121011359053	N. Vaishnavi	A Study on Limit Point Compactness and its Theorem
17.	121012359054	P. Vignesh	A Theorem Based on Locally Compact Space
18.	121012359055	S. Vignesh	A Study on Normal Space and its Theorem
19.	121011359057	S. Vivedha	A Study on Regular Space and its Theorem

<b>Course Code &amp; Name : YMA303      Automata Theory      Guided By : Dr.S.Buveneswari</b>			
<b>S.No.</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
1.	121011359038	S. Aarthi	A Study on Finite Automata with Epsilon

			Transition
2.	121011359039	S. Abinaya	A Study on Deterministic Finite Automata
3.	121011359040	A. Arundathi	A Study on Chomsky Normal Form and its Based Examples
4.	121012359041	S. Dineshmukilan	A Study on Equivalence of Automata
5.	121011359042	M. Elakkiya	A Study on Context Free Grammar and Pumping Lemma
6.	121011359043	R. Elanthendral	A Study on Context Free Grammar
7.	121011359044	S. Maharani	A Study on Conversion of DFA to Regular Expression
8.	121011359045	B. Mughilarasi	A Study on Non-Deterministic Finite Automata
9.	121011359046	K. Parkavi	A Study on Regular Expression and its Example
10.	121011359047	M. R. Reshmaa Raaj	A Study on Application of Automata Theory in Game Theory
11.	121011359048	K. Sowndaryalakshmi	A Study on Programming Techniques of Turing Machine
12.	121011359049	R. Srilekha	A Study on Pumping Lemma for Context Free Language
13.	121012359050	M. Sri Ram Siddarth	A Study on Regular Expression and its Illustration
14.	121011359051	I. Subiksha	A Study on Pushdown Automata and its Problems
15.	121012359052	R. B. Sugandhan	A Study on Parse Tree and its Illustrations
16.	121011359053	N. Vaishnavi	A Study on Finite Automaton and its Example
17.	121012359054	P. Vignesh	A Study on Closure Properties of Regular Languages
18.	121012359055	S. Vignesh	A Study on Turing Machine with Applications and Problems
19.	121011359057	S. Vivedha	A Study on Strings and its Application

<b>Course Code &amp; Name : YMA304 Mathematical Statistics</b>			<b>Guided By : Dr.R.Arumugam</b>
<b>S.No.</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
1.	121011359038	S. Aarthi	A Study on Chi- Square Test of Goodness of Fit
2.	121011359039	S. Abinaya	A Study on Correlation Co-Efficient
3.	121011359040	A. Arundathi	A Study on F-Test
4.	121012359041	S. Dineshmukilan	A Study on Mathematical Statistics in Business Research
5.	121011359042	M. Elakkiya	A Study on Least Square Method and its Application
6.	121011359043	R. Elanthendral	A Study on T Test Distribution
7.	121011359044	S. Maharani	A Study on One Way ANOVA and its Based Problem
8.	121011359045	B. Mughilarasi	A Study on Karl Pearson's Coefficient Correlation
9.	121011359046	K. Parkavi	A Study on Small Sample Tests in Testing for Hypothesis
10.	121011359047	M. R. Reshmaa Raaj	A Study on Statistical Quality Control
11.	121011359048	K. Sowndaryalakshmi	A Study on Analysis of Variance Using SPSS
12.	121011359049	R. Srilekha	A Study on Least Square Method

13.	121012359050	M. Sri Ram Siddarth	A Study on Product Sales Details in TAFORN
14.	121011359051	I. Subiksha	A Study on One Way ANOVA and its Based Problems
15.	121012359052	R. B. Sugandhan	A Study on Control Chart Used in Filed of the Poti guar Basin / Brazil
16.	121011359053	N. Vaishnavi	A Study on Control Charts and its Type
17.	121012359054	P. Vignesh	A Brief Study on Acceptance of Sampling
18.	121012359055	S. Vignesh	A Study on Two-Way Anova and its Problems
19.	121011359057	S. Vivedha	A Study on Chi- Square Test of Independence of Attributes

Course Code & Name : YMA3E2 Numerical Methods			Guided By : Dr. C.Vimala
S.No.	Register No.	Name	Topic
1.	121011359038	S. Aarthi	A Study on Numerical Integration and its Application
2.	121011359039	S. Abinaya	A Study on Newton Rapson Method and its application
3.	121011359040	A. Arundathi	A Study on Bisection Method and its Application
4.	121012359041	S. Dineshmukilan	A Study on Curve Fitting and its Applications
5.	121011359042	M. Elakkiya	A Study on Earthwork Volume and Comparison of Simpsons 1/3rd Rule and 3/8 Rule
6.	121011359043	R. Elanthendral	A Study on Gauss Jordan Method and its Application in Traffic Flow
7.	121011359044	S. Maharani	A Study on Numerical Differentiation and its Application
8.	121011359045	B. Mughilarasi	A Study on Application of Runge Kutta Method to Solve Hydrogen Positronium Atoms.
9.	121011359046	K. Parkavi	A Study on Simpson's One-Third Rule and its Application
10.	121011359047	M. R. Reshmaa Raaj	A Study on Application of Runge-Kutta Method in Traffic Flow Model
11.	121011359048	K. Sowndaryalakshmi	A Study on Gauss-Seidel Method and its Applications
12.	121011359049	R. Srilekha	LaGrange's Interpolation Formula and its Application
13.	121012359050	M. Sri Ram Siddarth	A Study on Comparison of Gauss-Jacobi Method and Gauss-Seidel Method
14.	121011359051	I. Subiksha	A Study on Application of Load Flow Analysis by Gauss Seidel Method
15.	121012359052	R. B. Sugandhan	A Study on Bisection Method Calculating the Depth of Submerged Ball in RO Water System
16.	121011359053	N. Vaishnavi	A Study on Trapezoidal Rule and its Example
17.	121012359054	P. Vignesh	A Study on Newton Divided Difference Interpolating Polynomial
18.	121012359055	S. Vignesh	A Study on Gauss Jacobi Method and its Application
19.	121011359057	S. Vivedha	A Study on Milne's Predictor Corrector Method

and its Application

<b>Course Code &amp; Name : YMA401 Complex Analysis</b>		<b>Guided By : Dr. J. Jayanthi</b>	
<b>S.No</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
.			
1.	121011359038	S. Aarthi	A Study on Residue theorem and its related problems
2.	121011359039	S. Abinaya	A Study on Argument principle and related theorems and problems
3.	121011359040	A. Arundathi	A Study on Evaluation of Definite Integrals
4.	121012359041	S. Dineshmukilan	A Study on Mean value property and its illustrations
5.	121011359042	M. Elakkiya	A Study on Boundary value theorem
6.	121011359043	R. Elanthendral	A Study on Reflection principle Power Series and product development
7.	121011359044	S. Maharani	A Study on Gamma function and periodic function in Complex Analysis
8.	121011359045	B. Mughilarasi	A Study on Weierstrass and Hadamard Factorization theorem
9.	121011359046	K. Parkavi	A Study on Taylor series and Contour integration
10.	121011359047	M. R. Reshmaa Raaj	A Study on Laurent Series
11.	121011359048	K. Sowndaryalakshmi	A Study on Hyperbolic, Elliptic, Parabolic and Some Special Transformations
12.	121011359049	R. Srilekha	A Study on Cauchy's Integral Theorem
13.	121012359050	M. Sri Ram Siddarth	A Study on Continuous function and analytic function
14.	121011359051	I. Subiksha	A Study on Complex integration and its based theorem
15.	121012359052	R. B. Sugandhan	A Study on Contour integration and its illustration
16.	121011359053	N. Vaishnavi	A Study on Complex integration and its theorem
17.	121012359054	P. Vignesh	A Study on Schwarz theorem
18.	121012359055	S. Vignesh	A Study on Zeros and Singularity with Weierstrass theorem
19.	121011359057	S. Vivedha	A Study on Cauchy theorem for rectangle and Open disc

<b>Course Code &amp; Name : YMA402 Functional Analysis</b>		<b>Guided By : Dr. R. Balakumar</b>	
<b>S.No</b>	<b>Register No.</b>	<b>Name</b>	<b>Topic</b>
.			
1.	121011359038	S. Aarthi	A Study on Normed space and its theorem
2.	121011359039	S. Abinaya	A Study on Normed linear space and continuity of linear maps and related theorems

3.	121011359040	A. Arundathi	A Study on Normed Space and it's based Examples
4.	121012359041	S. Dineshmukilan	A Study on Normed spaces and it's types
5.	121011359042	M. Elakkiya	A Study on Normed spaces and it's theorem
6.	121011359043	R. Elanthendral	A Study on Theorem and corollary based on continuity linear map
7.	121011359044	S. Maharani	A Study on open mapping theorem in Functional Analysis
8.	121011359045	B. Mughilarasi	A Study on Bounded linear Maps
9.	121011359046	K. Parkavi	A Study on Hahn -Banach Lemma
10.	121011359047	M. R. Reshmaa Raaj	A Study on Hahn-Banach Separation Theorem
11.	121011359048	K. Sowndaryalakshmi	A Study on Hahn-Banach Extension Theorem
12.	121011359049	R. Srilekha	A Study on Taylor Foguel Theorem
13.	121012359050	M. Sri Ram Siddarth	A Study on Banach space and it's theorem
14.	121011359051	I. Subiksha	A Study on Banach space and its theorem
15.	121012359052	R. B. Sugandhan	A Study on Uniform boundedness principle
16.	121011359053	N. Vaishnavi	A Study on normed spaces and its theorem
17.	121012359054	P. Vignesh	A Study on Uniform boundedness principle theorem
18.	121012359055	S. Vignesh	A Study on Richardson's model for arms race
19.	121011359057	S. Vivedha	A Study on Closed graph theorem


**Course Code & Name : YMA403 Mathematical Modeling**

**Guided By : Dr. P. Geetha**

S.No	Register No.	Name	Topic
1.	121011359038	S. Aarthi	A Study on linear growth and decay model
2.	121011359039	S. Abinaya	A Study on Interest compounded continuously and Radioactive decay
3.	121011359040	A. Arundathi	A Study on Growth and Decay Models
4.	121012359041	S. Dineshmukilan	A Study on Logistic law of population growth
5.	121011359042	M. Elakkiya	A Study on spreading infectious diseases and technology
6.	121011359043	R. Elanthendral	A Study on Rate of dissolution and law of mass action
7.	121011359044	S. Maharani	A Study on compartment models
8.	121011359045	B. Mughilarasi	A Study on Diffusion of Glucose or A medicine in a blood stream
9.	121011359046	K. Parkavi	A Study on dynamics through Ordinary Differential Equation on first order
10.	121011359047	M. R. Reshmaa Raaj	A Study on Motion of a Rocket in Mathematical Modelling
11.	121011359048	K. Sowndaryalakshmi	A Study on Mathematical Modelling Through Geometrical problems
12.	121011359049	R. Srilekha	A Study on Orthogonal trajectories and it's

			Problems
13.	121012359050	M. Sri Ram Siddarth	A Study on Prey predictor model and competition model
14.	121011359051	I. Subiksha	A Study on Multi species and age structured population models in mathematical modelling
15.	121012359052	R. B. Sugandhan	A Study on epidermis through system of ODE of 1st order
16.	121011359053	N. Vaishnavi	A Study on mathematical modelling in medicine
17.	121012359054	P. Vignesh	A Study on Richardson's model for arms race
18.	121012359055	S. Vignesh	A Study on Domar macro model
19.	121011359057	S. Vivedha	A Study on Modelling in Dynamics

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**BONAFIDE CERTIFICATE**


Certified that this case study report on "A STUDY ON METRIC SPACE" for YMA102-  
REAL ANALYSIS-II is the Bonafide work of Ms G. ALIES PRINCY Reg.No.  
122011359058 who carried out the case study under my supervision.

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Signature of the Student

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Signature of the student

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Signature of the course in charge  
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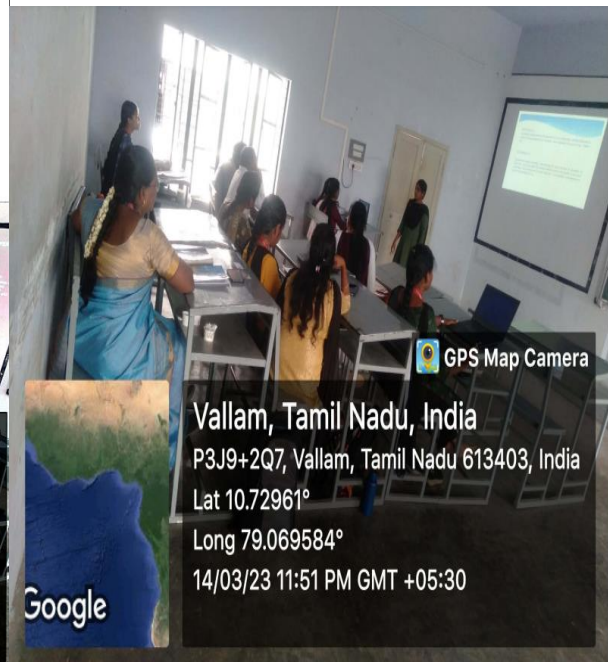
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*Dr. S. Buvaneshwari*  
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**Case study presentation for YMA204 Classical Dynamics by Manoj M**



**Case study presentation for YMA2E3 Combinatorics by Shyamaladevi V**