



FATIMA COLLEGE

(Autonomous)

Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' by NAAC (Cycle - IV)
 Mary Land, Madurai - 625018, Tamil Nadu

S.No	Programme	Programme Offered to	Outcome
1.	Consumer Club	All I and II UG students of Shift-I & Shift-II	Students Gain Knowledge on Ethical Consumerism
2.	Cyber Security Cell	All the Students	Students Get Awareness on the code of responsible behavior while on the Internet.
3.	Intellectual Property Rights	All the Students	Students get to understand the ethics involved in the protection of Trademark, Copyright etc.
4.	Green Chemistry	To all UG & PG Chemistry Students	Students can impart the green chemistry practices in their studies also in their career.
5.	Value Education Topics: 1) Personal Values (Sem-I) 2) Values for Life (Sem-II)	I UG Students	Students are given awareness on Personal Values and Ethics to develop in their life and career.
6.	Ethical Studies 1) Professional Ethics (Sem-III) 2) Personality Development (Sem-IV) 3) Life skills (Sem-VI)	II UG students & III UG Students	Students develop skills in resolving interpersonal problem. It also aims at developing good Leaders and responsible digital citizens.
			Students got insight in to Personality development, time management and tackling procrastination.
			Students developed life skills, and got an insight on qualities of a successful person. It also teaches to Choose ways of giving back to society.



Consumer Club -2022-2023

VISION

- ✓To enable students to understand fundamental rights of a citizen and make them realize and learn the fundamental duties of a good citizen.
- ✓To inject knowledge and skills relating to consumer rights among our college students and to impart knowledge on product standards, product quality and about markets.
- ✓To make them aware of laws enacted for protection/welfare of consumers and enforcement authorities concerned
- ✓To build a base of enlightened citizen customers as the foundation of future India.

MISSION:

- ✓To spread awareness on consumer rights amongst all consumer segments especially among college students.
- ✓To emerge as the best citizen consumer club at State Level adjudged by the Commissioner of Civil Supplies and Consumer protection through the state government to government of India.

OBJECTIVES

- ✓To educate the students to act as healthy consumers by making them aware about their rights and redress mechanisms
- ✓To act as beacons for the society.
- ✓To create awareness among students at a very young age and through them the general public.
- ✓To build in children conscientiousness in doing what is right and boldness to question the wrong.

MOTTO

**"AWARE!
ALERT!! And
ACT!!!"**



Inauguration of Consumer Club

DATE: 1.09.2022

TIME: 12.00 NOON TO 1.00 P.M.

NO OF PARTICIPANTS: 72

Objective: To inculcate awareness on legal aspects of consumerism and exercise the same in the public.

Inauguration of Consumer Club for the academic year 22-23 was done on 1st September, 2022 with Dr.A. Martin David, Vice Principal of The American College as the Chief Guest. The rights and duties of consumers were elaborated. He encouraged the students to file complaints when rights are denied citing ordinary life situations.

Outcome: Students got awareness on the rights and duties of consumers.

LIST OF BENEFICIARIES

S.NO	REG NUMER	NAME
1.	2020A01	ABIVARTHINI S
2.	2020A02	AFRIN JEGANANZ Y
3.	2020A03	AISHWARYA S
4.	2020A04	ANANDA POORNIMA K
5.	2020A05	ANISHA S
6.	2020A06	ANNAIMARY B
7.	2020A07	ANNIE ANGEL P
8.	2020A08	ANRO NISHA E
9.	2020A09	APARNA S
10.	2020A10	ARCHANA V
11.	2020A11	ARUL JOTHI S
12.	2020A12	ARUL JULIE PRAVEENA A
13.	2020A13	ARULMARY M
14.	2020A14	ASHWINI V
15.	2020A16	BALABHARATHI K
16.	2020A17	BELCIA P
17.	2020A18	BESHI BRITINY S
18.	2020A19	DIVYABHARATHI M
19.	2020A20	DIVYAHARSHINI B K
20.	2020A21	DOLBIN DEVA URSHIKA L
21.	2020A22	ESTHER JENIFER S
22.	2020A23	EVANGELIN EMIMA T
23.	2020A24	GAYATHRI R
24.	2020A25	GEETHA JACKULIEN PRINCY A
25.	2020A26	GOWRI P
26.	2020A27	HARI PRIYA S
27.	2020A28	HARINI M
28.	2020A29	HEPCIBA MARGRATE M
29.	2020A30	INFANTNIMISHA P
30.	2020A31	IRUTHAYA NANCY V
31.	2020A32	ISHWARYA K
32.	2020A33	ISHWARYARANI T
33.	2020A34	JASMINE SUSANNAL S
34.	2020A35	JENE BLESSY X
35.	2020A36	JENITHA CATHRIN D



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36.	2020A37	JESUNDRA H
37.	2020A38	JEYA MISTIKA S
38.	2020A39	JEYASHREE S J
39.	2020A40	JUDYINFANTA S
40.	2020A41	KAVIYA T
41.	2020A42	KOKILA S
42.	2020A43	LAKSHMIPRIYA T
43.	2020A44	MAHALAKSHMI G S
44.	2020A45	MERLIN APOORVA S
45.	2020A46	MUTHU MARI R
46.	2020A47	NANDHINI PRIYA R
47.	2020A48	NITHYA SHREE P
48.	2020A49	PADMAJA T
49.	2020A50	POOMIKA M
50.	2020A51	PREETHAVARSHINI J
51.	2020A52	PRINCY ANCITHA I
52.	2020A53	PRIYADHARSHINI B
53.	2020A54	PRIYADHARSHINI R
54.	2020A55	REKSY J
55.	2020A56	RENISHA R
56.	2020A57	RITA PATRICIA J
57.	2020A58	SALINI PRIYA W
58.	2020A59	SANDHIYA R V
59.	2020A60	SHAHANA VARSHINI B
60.	2020A61	SHARLI SILVIYA I J
61.	2020A62	SHRI MAGHA M
62.	2020A63	SOWMIYA M
63.	2020A64	STEPHINA M
64.	2020A65	SUBHIKSHA M
65.	2020A66	SUJITHA W
66.	2020A67	SWETHA BERLIN J
67.	2020A68	THANGA SANKARI L
68.	2020A69	THOORIKA S
69.	2020A70	THULASI BRINDHA V
70.	2020A71	UDHAYANILA C
71.	2020A72	VARSHA L
72.	2020A73	VINNARASI SANGEETHA J



AWARENESS OF PROGRAMME ON LEGAL ASPECTS OF CONSUMER

DATE: 08.10.2022

TIME: 12.00 NOON TO 1.00 P.M.

NO OF PARTICIPANTS: 72

Objective: To inculcate awareness on legal aspects of consumerism and exercise the same in the public.

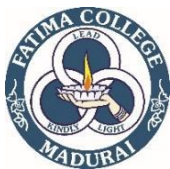
On 8th October, 2022 an awareness programme was organised on the legal aspects of consumerism. Mr.K.Malavalan , Advocate addressed the student members of the forum. The forum is involved in

creating awareness among the students of their rights and responsibilities.

Outcome: Students became aware of their rights and to enforce their rights while dealing with public and vendors.



Mr.K.Malavalan , Advocate addressed the student of Consumer Club



CYBER SECURITY CELL- RESOURCE CENTRE- NCSSS

Introduction

Fatima College(Autonomous) is a responsible Resource Centre selected by NCSSS (National Cyber Safety and Security Standards),Chennai to conduct various cyber security awareness programmes among students and general public.

Vision

With the internet maturing day by day, threats are increasing and cyber criminals are making news on a daily basis. Every other day, we hear news of cyber criminals hacking into banks, online sites, companies etc. It is very obvious that something has to be done to secure our IT infrastructure. But how does one do it? How does one start? One answer that comes to mind is education, awareness and training. Thus it is necessary to inform people what is needed to secure their systems.

Our nation is facing huge threats from various countries in cyber- attacks and information thefts. National Cyber Safety and Security Standards has taken a visionary initiative to curb and renovate the notoriously spreading cyber threats from various directions and dimensions.

Towards this end, National Cyber Safety and Security Standards is carrying out extensive awareness, training and education campaigns, so that the public are made aware of the dangers of the internet, and how they should be careful and avoid falling in to cyber traps.

In addition, National Cyber Defence Research Centre has embarked on setting up cyber security research centres across India, with the objective of conducting research, training and hands on lab environment for universities, industry and professionals. These research labs will also be involved in detecting, analyzing and preventing cyber threats/attacks and forensics.

In brief, NCDRC will be setting up research centers across the country in collaboration with various colleges and universities, with the following primary objectives:

- To encourage students who would like to take up a career in cyber security.
- To provide students with a hands on environment, so they can practice what they learn.
- To provide opportunities towards advanced research and publishing of papers for deserving students.
- To showcase to industry the environment and skills of students who are apart of the research center.
- To provide a platform for industry to train their employees in cyber security
- Research centers of NCDRC will offer the following courses.



Mission

The main mission of National Cyber Safety and Security Standards is to protect our national critical infrastructure from cyber related threats.

To ensure availability of courses, each college will host one particular research. The different topics that will be conducted are,

- National Security
- Web Application
- Networking Security Mobile Security
- MalwareIOT
- Cyber
- Forensics Social Engineering

With the internet maturing day by day, threats are increasing and cyber criminals are making news on a daily basis. Safety of women has always been an issue, especially in a country like India where crime rate against women is increasing.

Activities:

- To create an awareness on Cyber safety among the students by conducting cyber safety sessions on regular basis.
- Lectures to promote online etiquette.
- To encourage students who would like to take up a career in cyber security.

<u>S. NO.</u>	<u>PROGRAMME / DATE</u>	<u>RESOURCE PERSON(S) / TRAINER(S)</u>	<u>TOPIC</u>	<u>BENEFICIARIES</u>
1	Cyber Security Workshop (Hybrid Mode) organised by St. Xavier's College, Jaipur Nov. 30, 2022	<ul style="list-style-type: none">• Dr. A. Vimala Associate Professor Dept. of Computer Science• Ms. S. Mary HelanFelista Assistant Professor, PG Dept. of Computer Applications	<ul style="list-style-type: none">• "Checklist to Stay Safe in Cyberspace"• "Ethical Hacking in Cyber Security"	Participants of the workshop includes Fatimites



Xavier's Cyber Security Cell and the Department of Computer Science, organised a CyberSecurity Workshop (Hybrid Mode) on 30 November 2022 in collaboration with FatimaCollege (Autonomous) Madurai, to mark the end of the Cyber Security Awareness Month,celebrated by the Department of Computer Science from 1 Nov 2022 to 30 Nov 2022.

Workshop Details:

Timing: 10:00 am to 12:00 Noon

Venue: Conference Hall

Zoom Link: <https://us06web.zoom.us/j/83239575922>

Session & Resource Persons:

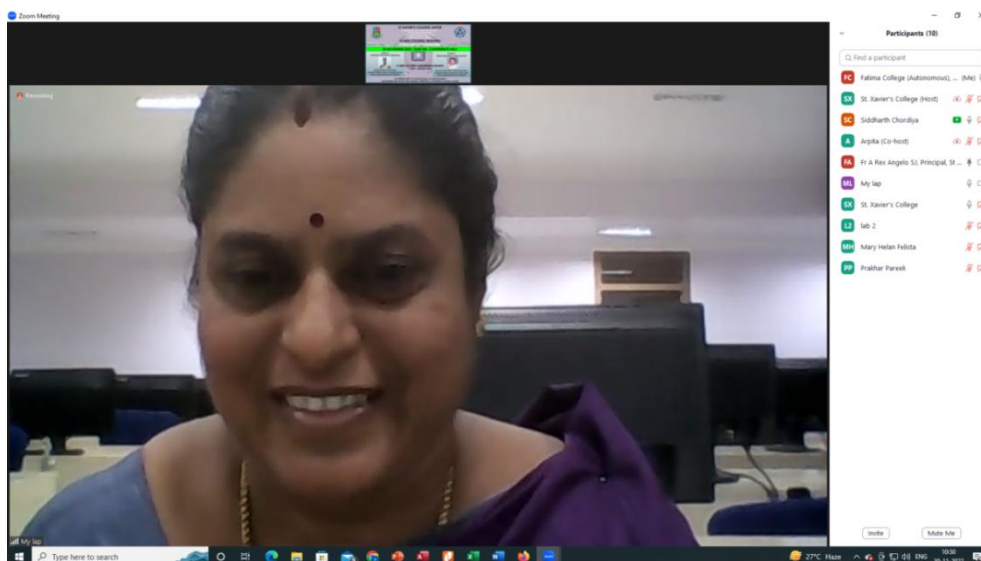
1. Session on "Checklist to Stay Safe in Cyberspace" by
Resource Person: Dr A Vimala
Associate Professor, Dept. of Computer Science
2. Session on "Ethical Hacking in Cyber Security"
Resource Person: Ms. S. Mary HelanFelista,
Assistant Professor, PG Dept. of Computer Applications

Outcome:

Security awareness is created among students to focus attention on Ethical Hacking, security, creating sensitivity to the threats and vulnerabilities of computer systems and recognition of the need to protect data, information and systems. Cyber Security awareness is important because it protects all categories of data from theft and damage. This includes sensitive data, personally identifiable information (PII), protected health information (PHI), personal information, intellectual property, data, and governmental and industry information systems.

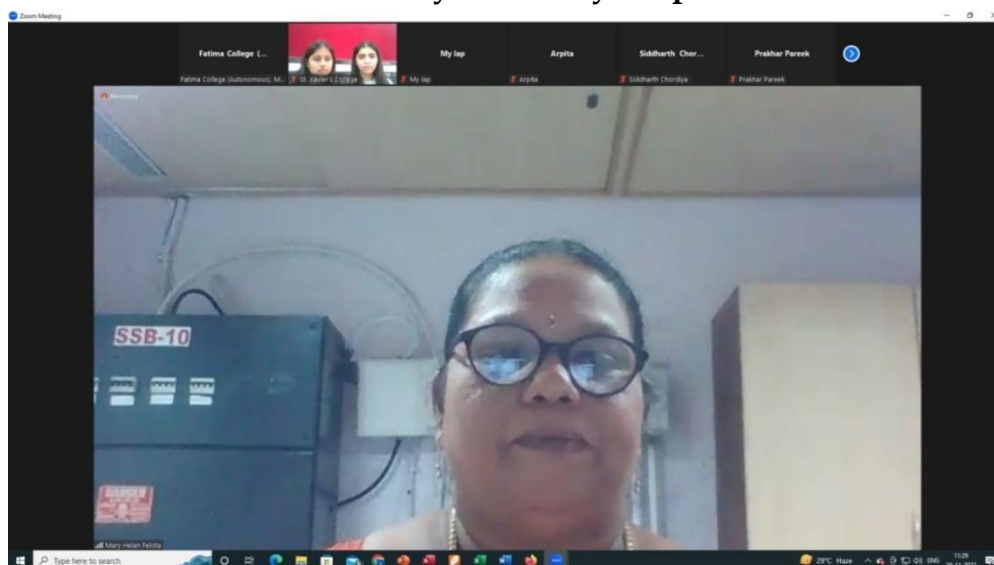


Photos:



Dr A

Vimala Associate Professor, Dept. of Computer Science “Checklist to Stay Safe in Cyberspace”



**Ms. S. Mary Helan Felista, Assistant Professor, PG Dept. of Computer Applications
“Ethical Hacking in Cyber Security”**



PG Department of Computer Applications & Cyber Security Cell

Guest Lecture

On

CYBER SECURITY ESSENTIALS

Name: Dr.M.Karthika	Designation: Dr.M.Karthika Head and Assistant Professor, Dept of Information Technology, MannarThirumalaiNaicker College, Madurai.
Topic: CYBER SECURITY ESSENTIALS	Date: 09.06.2022
Timings: 10:30 AM to 12.30 PM	Venue: Seminar Hall

PG Department of Computer Applications and Cyber Security Cell organized a Guest Lecture on the Topic **“CYBER SECURITY ESSENTIALS”** on 09.06.2022at Seminar Hall. The resource person was Dr.M.Karthika, Head and Assistant Professor, Dept of Information Technology, Mannar Thirumalai Naicker College,Madurai. delivered a guest lecture. I & II year students of MCA were present at this knowledge sharing session. The program was started at 10.30 AM and winded at 12.30 PM.

KEY POINTS HIGHLIGHTED: -

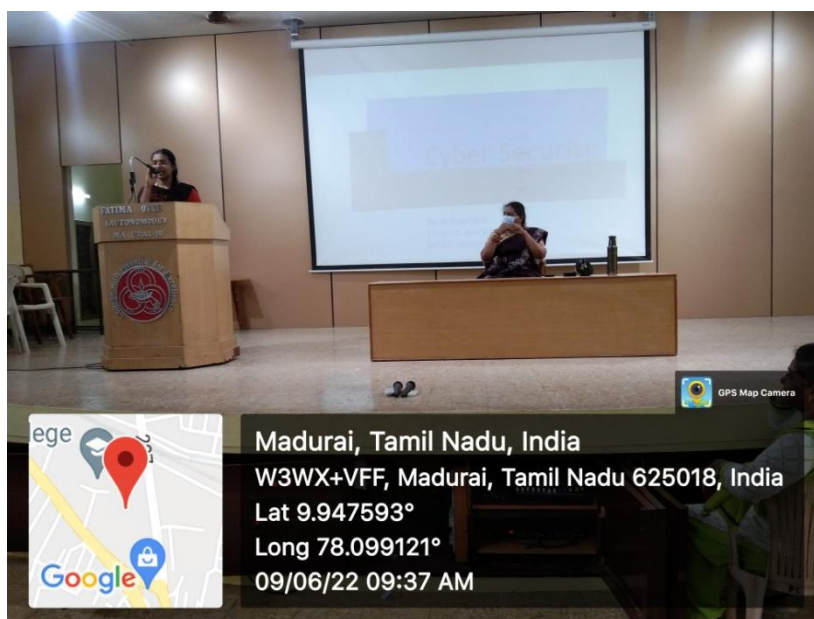
- What is cyber Security?
- What are the types of cyber Security?
- What skills are needed for cyber Security?
- Is cyber Security hard?
- Cyber Security framework
- Types of cyber-attacks
- What entities pose threats to cyber Security?
- Cyber Security awareness
- Cyber Security tools

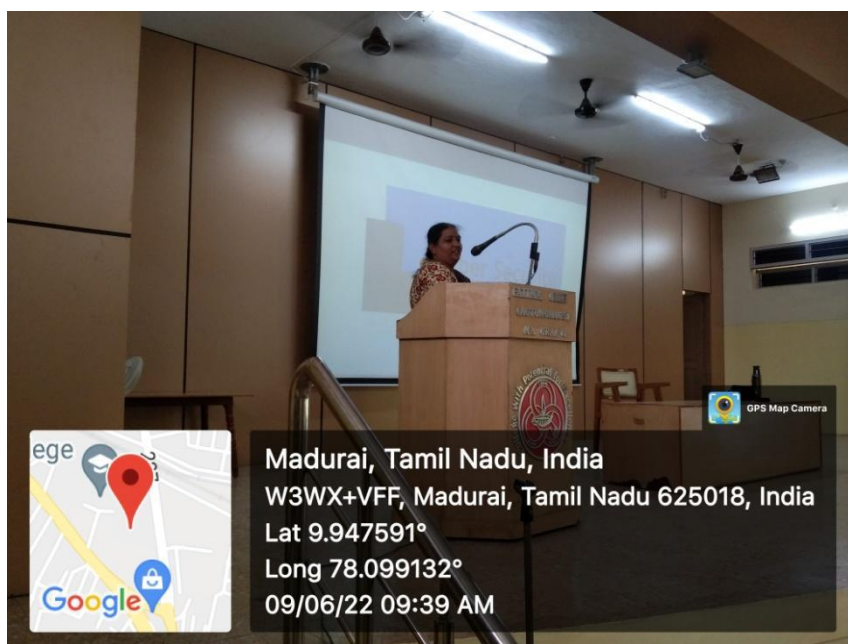


OUTCOMES: -

- Students got an idea about what is Cyber Security
- The session gave an explanation about various threats on the internet
- The session focused the importance of Cyber Security framework
- This session helped students to know more about Types of cyber-attacks
- She gave detailed explanation about Cyber Security Tools

In the Guest Lecture, we came to know about the importance of Cyber Security. At the end of this session we were got an exposure and importance of Cyber Security. The lecturer was so efficient that she explained in detailed about cyber security. We were also brushed up about the Internet and what we could do using the Internet and how it can become a threat for people. This made us clear that why we should be more aware about the Internet and cyber security.





Dr.M.Karthika ,Head and Assistant Professor,Dept of Information Technology,Mannar Thirumalai Naicker College,

PARTICIPANTS LIST:



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S.NO	REG. NO	NAME
1	2020MCA01	AKSHAYA .B
2	2020MCA02	ANTONY ZITA. C
3	2020MCA03	DEEPIKA .J
4	2020MCA04	FAZILA.S
5	2020MCA05	GOKILAVANI .P
6	2020MCA06	JANANI .S
7	2020MCA08	KARPAGASELVI.R
8	2020MCA09	KARTHIGA. S
9	2020MCA10	KAUSALYAA . R
10	2020MCA12	MADHUBALA .K
11	2020MCA13	MADHUMITHA.C
12	2020MCA14	MEJALA.N
13	2020MCA15	MURUGESWARI.V
14	2020MCA16	NILA.M
15	2020MCA17	NIRANJANA.P
16	2020MCA18	PRIYADHARSHINI.M
17	2020MCA19	PRIYANKA.V
18	2020MCA20	RAMYA.G
19	2020MCA21	RATHINA SUWETHA.E
20	2020MCA22	REVATHI.N
21	2020MCA23	RUTHRA.J
22	2020MCA24	SARUBHIYAA.M
23	2020MCA25	SAVITHA.S
24	2020MCA26	SHALINI.C
25	2020MCA27	SHARULAKSHMI.A
26	2020MCA28	SHERLIN HELINA.R
27	2020MCA29	SILVIYA SAHAY.L
28	2020MCA30	SIVASRI.S.S
29	2020MCA31	YUVASRI ISHWARYA.S



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S. NO.	REG. NO.	STUDENT NAME
1.	2021MCA01	ABINAYA R
2.	2021MCA02	AISHWARYA M
3.	2021MCA03	ALAGHU SUNMATHI K
4.	2021MCA04	AYISHA M
5.	2021MCA05	BAKKIASRI P
6.	2021MCA06	BHAVANI G
7.	2021MCA07	DEEPIKA S
8.	2021MCA08	DHANA LAKSHMI A
9.	2021MCA09	DHARANI DEVI V
10.	2021MCA10	DURGA DEVI V B
11.	2021MCA11	FARIJA J
12.	2021MCA12	GAYATHRI S
13.	2021MCA13	GOWRI V
14.	2021MCA14	ISHWARYA S
15.	2021MCA15	JEBA JELCIYA SUDHANCY A J S
16.	2021MCA16	JENIFER D
17.	2021MCA19	KANNAMAI K
18.	2021MCA20	KARUNAI ANANDHI S
19.	2021MCA21	KEERTHANA S
20.	2021MCA22	KEERTHIGA M
21.	2021MCA23	KOKILA PUSHPAM V
22.	2021MCA24	KRITI SHRIKHA A
23.	2021MCA25	LAKSHMI V
24.	2021MCA26	MADHUMITHA R S
25.	2021MCA27	MAHESWARI E
26.	2021MCA28	MALATHI M
27.	2021MCA29	MARIA GRAYCITA B
28.	2021MCA30	MARIAMMAL M
29.	2021MCA31	MOHANA PRIYA A
30.	2021MCA32	POOJA T
31.	2021MCA33	POORNIMA B
32.	2021MCA35	SHAKTHI M
33.	2021MCA38	SHANMUGA PRIYA V
34.	2021MCA39	SHIPRA P
35.	2021MCA40	SOUNDARYA MAI R B
36.	2021MCA41	SREENI MALAR V
37.	2021MCA42	SRI NARMATHA J




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38.	2021MCA43	SUBHAA S
39.	2021MCA44	SUJITHA J
40.	2021MCA45	SWETHA S
41.	2021MCA46	THANGA PONNU G
42.	2021MCA47	UMA MAHESWARI S
43.	2021MCA48	VAISHNAVI C
44.	2021MCA49	VIDHYA V
45.	2021MCA50	VINODHINI R
46.	2021MCA51	YAMINI N K
47.	2021MCA52	YOKESHWARI M
48.	2020MCA07	JERLIN M


Signature of HOD



Intellectual Property Rights

IPR CELL

Title :INTELLECTUAL PROPERTY RIGHTS IN INDIA

Date : April 6, 2022

**Resource Person :Dr. A. Leo Rajesh, Assistant Professor, Department of
Physics, St. Joseph's College, Trichy.**

**Outcome :The participants got a bird's eye view of the various Intellectual
Property Rights**

Report:

As a part of the launch of "National Intellectual Property Awareness Mission" known as NIPAM under "Azadi ka Mahotsav" by the Government of India, a One-Day Seminar on Intellectual Property Rights was organised by the IPR Cell of Fatima College, Madurai on April 6, 2022. Dr. A. Leo Rajesh, Assistant Professor, Department of Physics, St. Joseph's College, Trichy was the resource person for the programme.

The session began at 2.00 p.m. with a prayer song. Ms. Sahana, Treasurer of Shift I welcomed the gathering. Dr. A. Leo Rajesh, Resource Person started off his insights on Intellectual Property Rights in India. He began his lecture with the example of Thomas Alwa Edison and Nicholas Tesla. Through them, he explained the importance of getting patents or rights for our intellectual innovations and inventions. He added how Thomas Alwa Edison became successful and why Nicholas Tesla couldn't enjoy the fruits of his inventions during his lifetime.

Dr. Leo Rajesh enlightened the students about the various inventions made in India and how they can be protected by Intellectual Property rights. He also remarked that out of the numerous new inventions made in India every year, only 15% of them are rightfully owned by Indians. He also explained that because of this status of IPR in India, Indians have lost the rights for many of their original inventions. Now that India is aware of the Intellectual Property Rights, the Government has taken many initiatives to promote getting Rights for any new ideas or inventions.

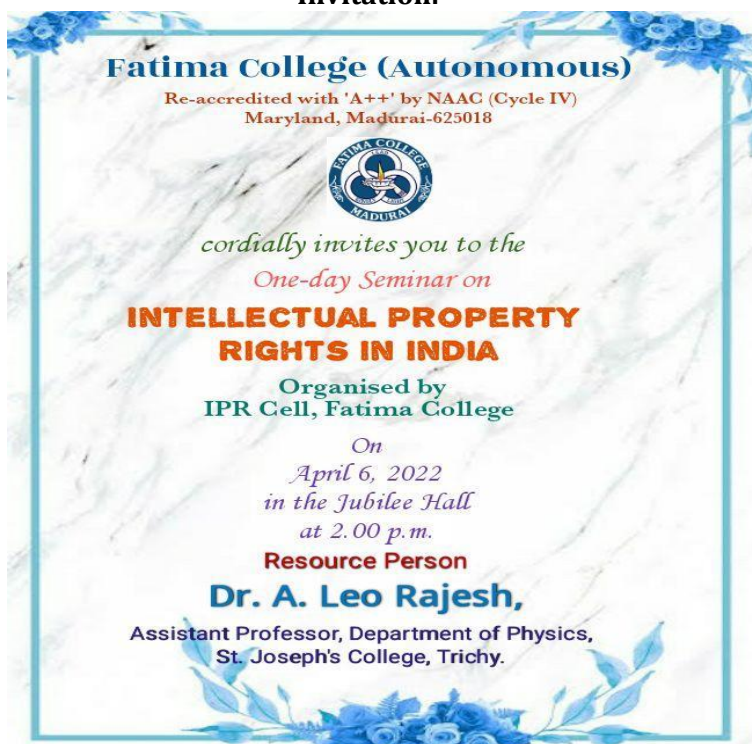
He also mentioned the institution of IPR Cells in colleges and universities to make the students aware and facilitate the process of getting rights for our intellectual properties.



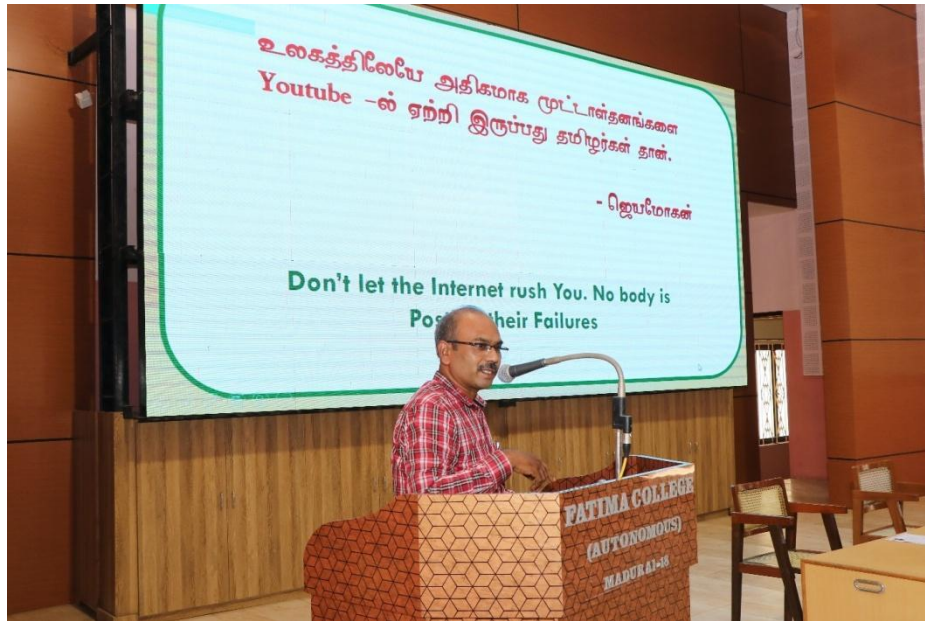
He further explained how Indians can get overseas or international patents or rights for their inventions. Dr. Leo Rajesh gave a detailed explanation of the procedure of getting patents, copyrights, designs and trademarks. He also mentioned the offices situated in Kolakatta, Mumbai, Chennai and Delhi to apply for Intellectual Property Rights.

During the question answer session, Dr. Vasantha Esther Rani, raised queries about the procedure for getting Indian and International patents and the requirements to get the same. Dr. Leo Rajesh explained the detailed process of it, including the money paid for registration and renewal of our rights. The session came to an end by 4 p.m. Ms. Deepthi, Vice-President of Shift II delivered the Vote of thanks followed by National Anthem.

Invitation:



Photos:



Dr.A.Leo Raj Assistant Professor, Department of Physics, St.Joseph College, addressing the students



Participants enthusiastically Listening the session



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Participants List:

S:NO	REG:NO	STUDENT NAME
1.	2020MAEC01	Barani T
2.	2020MAEC02	Chithra P
3.	2020MAEC03	Jayapriya J
4.	2020MAEC04	Mosia Robena Antony J
5.	2020MAEC05	Nivedha S
6.	2020MAEC08	Sujitha M
7.	2020MAEC09	Puvaneswari K
8.	2020MAEC10	Sethulakshmi A
9.	2020MAEC12	Sivasree S
10.	2020MATL01	Bommy S
11.	2020MATL04	Jothi Lakshmi P
12.	2020MATL05	Maheswari M
13.	2020MATL06	Meena Panchavarnam P
14.	2020MATL07	Mercy Grace J
15.	2020MATL09	Pandeeswari M
16.	2020MATL10	Parameshwari A
17.	2020MATL13	Saranya M
18.	2020MATL14	Subalakshmi K
19.	2020MATL15	Subasri P
20.	2020MATL16	Tamilarasi Md
21.	2020MATL17	Yamuna C
22.	2020MATL18	Yogalakshmi R
23.	2020MATL19	Ajeetha V
24.	2020MSCP01	Agnes Pristy I
25.	2020MSCP02	Annie Roselin K
26.	2020MSCP04	Anzil Sedna W
27.	2020MSCP07	Deepithakumari S
28.	2020MSCP08	DhevaDharshini T
29.	2020MSCP09	Femi C
30.	2020MSCP12	Indu Priyadarshini S
31.	2020MSCP13	Karunya L
32.	2020MSCP16	Muthulakshmi E
33.	2020MSCP17	Pooja L
34.	2020MCOM02	Abirami K
35.	2020MCOM03	Anantha Priya K E
36.	2020MCOM04	Angel Nisha A
37.	2020MCOM05	Anuradha L
38.	2020MCOM06	Cynthia Theresa J
39.	2020MCOM07	Divyapandiammal Ga
40.	2020MCOM08	Janani L
41.	2020MCOM10	Jenoby N
42.	2020MCOM11	Kanimozhi C
43.	2020MCOM12	Keerthana Ng
44.	2020MCOM13	Kowsalya M
45.	2020MCOM14	Libinska Evangelina Martina X
46.	2020MCOM17	Nithya G



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47.	2020MCOM18	Pavithra M
48.	2020MCOM20	Prabhavathy E
49.	2020MCOM22	Ramya M
50.	2020MCOM23	Ramya S
51.	2020MCOM24	Sabitha D
52.	2020MCOM26	Srimathi R
53.	2020MCOM29	Swetha Ram V
54.	2020MCOM30	Thangamathi R
55.	2020MCOM31	Valliammai P
56.	2020MCOM34	Josephine Leema Rose J
57.	2020MCOM35	Veeramanimegalai K
58.	2020MCOM36	Kamalini M
59.	2019H02	Abinaya Shri S
60.	2019H04	Abirami S (06.02.2002)
61.	2019H05	Ambika M
62.	2019H06	Amritha Pooja T
63.	2019H07	Anlin Rijo A J
64.	2019H08	Bavadharini M
65.	2019H11	Chithradevi R
66.	2019H12	Desika M
67.	2019H13	Durga N
68.	2019H14	EsabellaSmily A
69.	2019H15	Gohila Priya M
70.	2019H16	Hemakalaiarasi V
71.	2019H18	Jancy M
72.	2019H19	Jayanthi T
73.	2019H20	JelinMesia A
74.	2019H22	Jothi S
75.	2019H23	Joyce S
76.	2019H25	Kaviyarasi S
77.	2019H26	Mahima R
78.	2019H27	Malarvizhi A
79.	2019H28	Manicka Priya S
80.	2019H29	Manimegalai M
81.	2019H30	Manimehala D
82.	2019H31	Maria Jencia P
83.	2019H32	Maria Rubi S
84.	2019H34	Muthulakshmi S
85.	2019H35	Mydeen Bi M
86.	2019H36	Praveena T
87.	2019H37	Priya P
88.	2019H39	Rahini V
89.	2019H40	Ramya U
90.	2019H41	Ramzan Begam B
91.	2019H42	Sabitha S
92.	2019H43	SahayaJoicy A
93.	2019H45	Sangavi K
94.	2019H46	Santhiya D
95.	2019H48	Sivaranjani S



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96.	2019H49	Sneha C
97.	2019H50	Sophiya R
98.	2019H51	Srimathi R
99.	2019H52	Suruthi S
100.	2019H53	Sujitha C
101.	2019H54	Susan S
102.	2019H55	Susmitha P
103.	2019H56	Vidhya P
104.	2019H57	Vijayalakshmi S
105.	2019H59	Yoha Lakshmi A
106.	2019H60	Priya K
107.	2019H61	Lakshmi Priya K
108.	2018H36	Gowsalya R (Re-join V & VI Sem.)
109.	2019E20	JEYA BHARATHI. R
110.	2019E27	LAVANYA.M
111.	2019E41	NIVETHA.P
112.	2019E44	PRAMIKA.G.R
113.	2019L01	Aarthi M
114.	2019L02	Agnes Angeline J
115.	2019L03	Akshaya A
116.	2019L04	Akshaya M
117.	2019L05	Amirtha V
118.	2019L06	AngelinAbiya C
119.	2019L07	Angeline R
120.	2019L09	ArockiaHevilaRaichal S
121.	2019L10	Arul Stenila Mary L
122.	2019L12	Athisaya S
123.	2019L13	BenitAllmaVenencia J
124.	2019L14	Benokshi J
125.	2019L15	Christiya Jose J
126.	2019L16	DafinaCharlot P
127.	2019L17	Dolmate Rebecca J
128.	2019L18	Fatima Amali A
129.	2019L19	Florence Steffi D
130.	2019L20	Francis Jeyasee F
131.	2019L21	Gowri C
132.	2019L23	Hema Varshini S B
133.	2019L25	Infant SherlinA X
134.	2019L26	Jacky Roshini B
135.	2019L29	Jeevitha E S
136.	2019L30	Jeffina J
137.	2019L31	Jenif J
138.	2019L32	Jeya Christy M
139.	2019L33	Jovita J
140.	2019L34	Jovitha Meris Arppana F
141.	2019L35	KirubaCathrine A
142.	2019L38	Laksha G
143.	2019L39	Leena S



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144.	2019L40	Libiya T
145.	2019L42	Mary Josefa A
146.	2019L43	Maryeon Swetha A
147.	2019L44	Murshina John K
148.	2019L45	Narmitha M
149.	2019L46	Nivetha M
150.	2019L49	Ramya K
151.	2019L50	Ramya S
152.	2019L52	Sandhiya N
153.	2019L53	Sarika B
154.	2019L54	Sharanya M
155.	2019L55	Sharon Vivega A
156.	2019L56	Shayal A
157.	2019L58	Sheryl Michelle M
158.	2019L59	Shevaani G
159.	2019L61	Starathy B
160.	2019L62	Subasri A
161.	2019L63	Subathra S
162.	2019L64	Suvedha R
163.	2019L65	TessyAmala J
164.	2019L66	Vaishnavi C
165.	2019L67	Ajitha Monica J
166.	2019L68	Dany Sushmica A L
167.	2019L69	Jeba Martina K
168.	2019L70	Mekala M
169.	2019L71	Mercy Jona J
170.	2019L72	Ponmughil I
171.	2019L73	Raj S.JinthaMugarji
172.	2019L74	Sahana M
173.	2019L75	Jackline Amali C
174.	2019T01	Aarthi E
175.	2019T02	Ajitha B
176.	2019T03	Andal N
177.	2019T05	Annusuya Devi V
178.	2019T06	Anusha R
179.	2019T07	Archana R
180.	2019T08	Asan Banu S
181.	2019T09	Avila Theresal G
182.	2019T10	Azhagumani N
183.	2019T11	Denisha K
184.	2019T12	Dharani P
185.	2019T13	Divya K
186.	2019T14	Divya V
187.	2019T15	Divya Bharathi K
188.	2019T16	Durga Devi M
189.	2019T18	Gladys Princy G
190.	2019T19	Harini P
191.	2019T20	Hema G
192.	2019T21	Janani S R



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193.	2019T22	Jayakarthika S
194.	2019T23	JebaAbinaya J
195.	2019T24	JennifarPushpam A
196.	2019T25	Jeyalakshmi R
197.	2019T27	KathijaBeve S
198.	2019T28	Keerthana M
199.	2019T29	Keerthana P
200.	2019T30	Kowsalya R
201.	2019T32	Lakshmi C
202.	2019T33	Maha Lakshmi S
203.	2019T34	Maheshwari S
204.	2019T35	Maria Gowsalya A
205.	2019T36	Megavarshini T
206.	2019T37	Muthu Priya T
207.	2019T39	Muthumari V
208.	2019T40	Muthurakku P
209.	2019T42	Nandhini C
210.	2019T43	Nandhini S
211.	2019T44	Nishanthini R
212.	2019T45	Nithya M
213.	2019T47	Rajeswari A
214.	2019T48	Rajeswari K
215.	2019T50	Renugadevi P
216.	2019T53	Santhiya Mary T
217.	2019T55	Saravanapriya S
218.	2019T56	Sasi Priya S
219.	2019T57	Selva Nega S
220.	2019T58	Siva Aarthi B
221.	2019T59	Sneha K
222.	2019T60	Snekajothi S
223.	2019T62	Sowmiya I
224.	2019T63	Tamilarasi S
225.	2019T65	Vanathi P
226.	2019T66	Varshini S
227.	2019T67	Vennila K
228.	2019T68	Vidhya B
229.	2019T69	Yuvarani I
230.	2019T70	Thoupikabanu Y
231.	2016T73	Vasuki M (Re-join V & VI Sem.)
232.	2019M02	AbinayaDhasnevis I
233.	2019M03	Abisuya S
234.	2019M04	Adaikala Deepa J
235.	2019M05	Anansiya J
236.	2019M06	Anisa S
237.	2019M07	Anitha A
238.	2019M10	Bhavatharani A
239.	2019M11	Bhuvaneswari M
240.	2019M12	Cathelin Kamali J



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241.	2019M15	Divya Teresa J
242.	2019M16	Gabriel Sherifa A
243.	2019M17	Helina P
244.	2019M18	Iniya R
245.	2019M19	Ishwarya M
246.	2019M20	Jasmine A
247.	2019M21	Jenifar Francia S
248.	2019M22	Jennifer G
249.	2019M23	Jerina Angel K
250.	2019M24	Jeyasakthi S
251.	2019M25	Jose Francia Rinolin J
252.	2019M26	Kalaivani G
253.	2019M28	Karunya V
254.	2019M29	Kiruthika S
255.	2019M30	Logatheetchana U
256.	2019M31	Madhubala M
257.	2019M32	Mahalakshmi S
258.	2019M34	MaunorineLoordumarie J
259.	2019M35	Merin Rose C
260.	2019M36	Mink Winslet V
261.	2019M38	Nila Bharathi R
262.	2019M39	Pechiammal Baby S
263.	2019M41	Punitha Catherine Hilda B
264.	2019M42	Ramalakshmi M
265.	2019M43	Ramya R
266.	2019M44	Reenu Jose Jenifer J
267.	2019M45	Renuga M
268.	2019M47	RitthiNakshathra J
269.	2019M48	Sandiya R
270.	2019M49	Santhini R
271.	2019M50	Sara Alaganandam
272.	2019M51	Saranya K
273.	2019M52	Seema T
274.	2019M53	Shalini R
275.	2019M54	Shree Yazhini K S
276.	2019M55	Sri Lakshimi H
277.	2019M57	Sowmiya M
278.	2019M58	Sudha K
279.	2019M59	Suruthi V
280.	2019M60	TarcyVirgina A
281.	2019M62	Jenifer Behula J
282.	2019M63	Jeniferrani R
283.	2019M64	Jeya Shree R
284.	2019M65	MichlineSowmiya M
285.	2019M67	Santhiya M
286.	2019M68	Beula M
287.	2019M69	Harshana P B



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288.	2019M70	Abirami A
289.	2019M71	Sruthi R
290.	2019P01	Ahashine A
291.	2019P02	Aishwarya S
292.	2019P03	Annie Varsha Sharon T
293.	2019P04	Anu C
294.	2019P05	Avila Francina D
295.	2019P06	Balameena S
296.	2019P07	Dharshini J
297.	2019P08	Dhiyashree M
298.	2019P10	DonishaJenet D
299.	2019P12	Ishwariya Rani N S
300.	2019P13	Jeevitha R
301.	2019P14	Jeno S
302.	2019P16	Joshini H
303.	2019P17	Kaleeswari S
304.	2019P18	Keerthana J
305.	2019P19	Manjuparkavi R
306.	2019P20	Maria Christinal A
307.	2019P21	Nandhinipriya U
308.	2019P22	Parvathavarthini S
309.	2019P23	Poongodi T
310.	2019P25	Priyadharshini M
311.	2019P26	Rebekal S
312.	2019P27	Rexy B S
313.	2019P28	Rifca R
314.	2019P29	Rosaria Livrola Rayan J
315.	2019P30	Rosini C
316.	2019P31	Sabarnikka C
317.	2019P32	SaleithEvanjaline S
318.	2019P33	Serina Roses A
319.	2019P34	Sherlin Milani Selcia J
320.	2019P35	SherlineRegishma A K
321.	2019P36	Shivadharini M
322.	2019P37	Subashini S
323.	2019P38	Sumithra B
324.	2019P39	Susan Keziah A
325.	2019P41	Thisha T S
326.	2019P42	Vaisha S L
327.	2019P44	Jeswil S
328.	2019P45	Sri Harini P G
329.	2019P46	Jeyameena P
330.	2019C02	AntoTherasita I
331.	2019C03	ArokiyaRubika M
332.	2019C04	Arulsneha A
333.	2019C06	Delicia A
334.	2019C09	Infanta Sneka J
335.	2019C12	Karthika R
336.	2019C13	Kasthuri S



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337.	2019C14	Kowshika K
338.	2019C15	Mahalakshmi R
339.	2019C17	Maragathavalli P
340.	2019C19	Nisha R
341.	2019C20	Pandiyammal L
342.	2019C21	Pavithra K
343.	2019C22	Pavithra M
344.	2019C24	PrincyRemifa D
345.	2019C25	Priyadharshini M
346.	2019C26	Rency S
347.	2019C27	Reshma V
348.	2019C28	Ruby S
349.	2019C29	Sabitha Joan V
350.	2019C30	Sakthi Pandimeena N
351.	2019C31	Shalini E
352.	2019C32	Shanmugapriya M
353.	2019C33	Shobana M
354.	2019C34	Sindhuja S
355.	2019C35	Sivakeerthika P
356.	2019C36	Sneha A
357.	2019C37	Sneka M
358.	2019C39	Sudarsornalakshmi K
359.	2019C40	Vaishnavi C
360.	2019C41	VasanthaRuba J
361.	2019C42	Vasundhra D
362.	2019C43	Vishnupria G
363.	2019C44	Afrin Fathima S
364.	2019C45	Rosy Pradeepa L
365.	2019C46	Ajitha T M
366.	2019Z01	Antonette Siena P
367.	2019Z02	Anumitha S
368.	2019Z03	Chithra Devi M
369.	2019Z04	Devi Subbulakshmi J
370.	2019Z05	Dhanalakshmi M
371.	2019Z06	Dharani R
372.	2019Z07	Gopikaa R B
373.	2019Z08	Gowri V
374.	2019Z09	Infant Rubitha X
375.	2019Z10	Jemima Gladys P
376.	2019Z11	Karthiga P
377.	2019Z12	Keerthana V
378.	2019Z14	Kowsika M
379.	2019Z15	Lakshmidhevi P
380.	2019Z16	Lavanya S
381.	2019Z18	Mercilin P
382.	2019Z19	Nagalakshmi P
383.	2019Z22	Pavithra Devi R
384.	2019Z23	Priyadharshini M
385.	2019Z25	Ramya S



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386.	2019Z26	Rathika G
387.	2019Z28	RexlineSheeba S
388.	2019Z29	Roobini J
389.	2019Z30	Sahaya Shalini A
390.	2019Z31	Sakthi Dharshini B
391.	2019Z32	Sangeetha Priya C
392.	2019Z33	Saraswathi B
393.	2019Z34	Sathya R
394.	2019Z36	Sivanandhini M
395.	2019Z38	SubarnikaRathna S
396.	2019Z39	Thahsin Banu S
397.	2019Z40	Varalakshmi K
398.	2019Z41	Vijayalakshmi N
399.	2019Z42	Vinisha S
400.	2019Z43	Vishali R
401.	2019Z44	Yogeshwari G
402.	2019Z45	Anishfathima A
403.	2019N01	Aarthi P
404.	2019N02	Abirami S
405.	2019N05	Bakthi Patel B
406.	2019N08	Dayana Bharathi M
407.	2019N09	Dharani S
408.	2019N11	Gaja Lakshmi S
409.	2019N12	Harini G
410.	2019N16	Jeyashree K
411.	2019N17	Joyce J
412.	2019N18	Joys Maria Adishaya F
413.	2019N20	Karpagam A
414.	2019N21	Kayalvizhi M
415.	2019N22	Nandhini J
416.	2019N24	Nivetha A
417.	2019N25	Pavithra K L
418.	2019N26	Poojaa K
419.	2019N27	Prathicsha A
420.	2019N28	Priyadharshini K
421.	2019N29	Priyadharshini M
422.	2019N30	Priyadharshini R
423.	2019N31	Rajeshwari G
424.	2019N32	Ravina C
425.	2019N33	Rubala B
426.	2019N34	Santhamary J
427.	2019N35	Shanmuga Priya C
428.	2019N38	Sowmiya P
429.	2019N39	Sowmyasri S V
430.	2019N41	Swathy V
431.	2019N42	Vidyasri B
432.	2019N44	Rithika M S
433.	2015N08	Hajira H (Re-join V & VI Sem.)



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434.	2019B03	Anjelin Deva Dharshini D
435.	2019B04	Arockia Eugene Bapista P
436.	2019B05	Arockiya Leticia F
437.	2019B06	Ayyammal K
438.	2019B07	Devadharshini A
439.	2019B08	Dharinikaa A
440.	2019B09	Dharshini K
441.	2019B10	Dharshini K J
442.	2019B12	Durga S
443.	2019B13	Gayathri B
444.	2019B16	Janani A S
445.	2019B17	Jenifer Nancy J
446.	2019B18	Kamala Veni S
447.	2019B19	Kousigavardhini R
448.	2019B20	Krishnaveni K
449.	2019B21	Latha S
450.	2019B22	Leelavathi T
451.	2019B24	Monika G
452.	2019B26	Muthamil B
453.	2019B27	Pandeeswari R
454.	2019B28	Poorna Jothika R
455.	2019B29	Preethi Mr
456.	2019B30	Priyanka R
457.	2019B31	Priyatharshini V
458.	2019B33	Rosary Nancy J
459.	2019B36	Santhiya M
460.	2019B37	Sathiyalakshmi S
461.	2019B38	Shahin N
462.	2019B39	Shree Varsinee P
463.	2019B40	Stelinsiya A
464.	2019B41	Vaishnavi J
465.	2019B43	Vinisha I
466.	2019B44	Wini Freda P
467.	2019B46	Mickael Mercy L
468.	2019A01	Aarthy N R
469.	2019A02	Abinaya Sundari S
470.	2019A03	Abithaa V
471.	2019A04	Afni Miranda R
472.	2019A06	Ajitha P
473.	2019A07	Alangara Monisha A
474.	2019A08	Amalachristy Medona S
475.	2019A09	Ambrin Banu Y
476.	2019A10	Ananya E
477.	2019A11	Anushka S
478.	2019A12	Anushri S
479.	2019A14	Arul Jothi A(25.09.2001)
480.	2019A15	Aruljothi A(07.11.2002)



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481.	2019A16	Assiha A
482.	2019A17	Ayesha Shiddika H
483.	2019A18	Christlin Joan M
484.	2019A19	Elavarasi J
485.	2019A20	Evanglein Melba M
486.	2019A21	Fathima Merlin J
487.	2019A22	Francis P
488.	2019A23	Gokila Rani M H
489.	2019A24	Gokila S
490.	2019A25	Hazira Begam N
491.	2019A26	Jacklin Mercy A
492.	2019A27	Janani P
493.	2019A28	Jebe Selva Priya R
494.	2019A29	Jenifer M
495.	2019A30	Jeyashree C S
496.	2019A31	Kavitha G
497.	2019A32	Keerthana M
498.	2019A33	Koushika G
499.	2019A34	Lakshmi Priya K
500.	2019A35	M Maria Josephine
501.	2019A36	Mahalakshmi M
502.	2019A37	Mahalakshmi S
503.	2019A38	Manjula M
504.	2019A39	Maragatham K
505.	2019A41	Monika V
506.	2019A42	Nandhini M
507.	2019A43	Nandini K
508.	2019A44	Nethartheni A S
509.	2019A45	NidharshanaSylaja S
510.	2019A46	Nirmala Nancy A
511.	2019A47	Pandiselvi R
512.	2019A48	Pooja R
513.	2019A49	Prisca R
514.	2019A50	Priyadharshini L
515.	2019A51	Priyadharshini S
516.	2019A53	Santhana Angel J
517.	2019A54	Sarika M
518.	2019A55	SavariJansi D
519.	2019A56	Senthamarai P
520.	2019A57	Shalini L
521.	2019A59	Sofia A
522.	2019A60	Soniya S
523.	2019A62	Suja B
524.	2019A63	Uthayasankari S
525.	2019A64	V Sherin
526.	2019A65	VincilinMarija J
527.	2019A68	Yazhini S
528.	2019A69	Puviya M
529.	2019A70	Riyashiny M



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530.	2019A71	Sowntharyah R M
531.	2020MAH01	Dhazeeba B S
532.	2020MAH03	Barakath Nisha M
533.	2020MAH04	Sathiyadevi S
534.	2020MAH05	Vidhya Sri M
535.	2020MAH06	Chitra G
536.	2020MAH07	Jasmine Jenio S
537.	2020MAH09	Saranya V
538.	2020MAH10	Sureka Devi K
539.	2020MAEL04	Angela Merlin A
540.	2020MAEL06	Ashwintha R
541.	2020MAEL07	Beulah Christy M
542.	2020MAEL08	BlessyJebaseeli V P
543.	2020MAEL09	Chrispina R
544.	2020MAEL10	Divya S
545.	2020MAEL11	Gayathri S
546.	2020MAEL12	Gulzar Shamila S
547.	2020MAEL13	Harini A
548.	2020MAEL14	Imrana Parveen M G
549.	2020MAEL15	Ishwarya G
550.	2020MAEL16	JiniSheruba C R
551.	2020MAEL19	Libeya M
552.	2020MAEL20	Michaelin Silvia P
553.	2020MAEL21	Muthu Lakshmi S
554.	2020MAEL26	Pavithra P
555.	2020MAEL27	Priscilla Mary I
556.	2020MAEL28	Priyadharshini B
557.	2020MAEL30	RenyKaviya Money P
558.	2020MAEL32	Roshma P
559.	2020MAEL33	Sahana N
560.	2020MAEL35	Shalini Lakshmi K
561.	2020MAEL37	SijiSalomi M S
562.	2020MAEL40	Yamini V
563.	2020MAEL41	Yamuna R
564.	2020MAEL42	Yasoreshwari R R
565.	2020MSCM01	Abigail M
566.	2020MSCM03	Aishwarya S
567.	2020MSCM04	Ananthi V
568.	2020MSCM05	Arockia Christy J
569.	2020MSCM06	Ashaangeline C
570.	2020MSCM07	Atchaya M
571.	2020MSCM08	Belsiya Rani P
572.	2020MSCM10	DivyaLizy A
573.	2020MSCM11	Divya S
574.	2020MSCM12	Gowri Keerthana M
575.	2020MSCM13	Ilakkiya M
576.	2020MSCM14	Janane A M
577.	2020MSCM15	Jancy E
578.	2020MSCM16	Jeyashivani M



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579.	2020MSCM17	Joelin J
580.	2020MSCM18	Kamali E
581.	2020MSCM19	Mohanapriya S
582.	2020MSCM20	Naga Nandhini A
583.	2020MSCM22	Rajeswari M
584.	2020MSCM23	Rathina Jothi C
585.	2020MSCM26	Saskia L
586.	2020MSCM27	Saumya P
587.	2020MSCM28	Shanmugapriya C
588.	2020MSCM29	Sheeba R
589.	2020MSCM31	Sindhiya Rai A
590.	2020MSCM33	Suvetha P
591.	2020MSCM35	Tonieshaa J
592.	2020MSCM36	Ubagara Shalini J
593.	2020MSCM37	VarshiniOom
594.	2020MSCM38	Veerabharathi R
595.	2020MSCM39	Yazhini N
596.	2020MSCM40	Yogameenakshi A
597.	2020MSCM41	Archanaa M
598.	2020MSCM42	Reshma G
599.		M.SC CHEMISTRY
600.	2020MSCC01	Abitha R
601.	2020MSCC02	Akshaya K
602.	2020MSCC04	ArockiaAmrisha T
603.	2020MSCC05	Bhuvaneshwari C
604.	2020MSCC06	Bhuvaneshwari V
605.	2020MSCC09	Jaafrin Fathima J
606.	2020MSCC10	Jaya Dharshni G
607.	2020MSCC13	Karthiga R
608.	2020MSCC15	Mercy Magdalene P
609.	2020MSCC16	Pavithra S
610.	2020MSCC17	Priyanka M
611.	2020MSCC18	Rama Rohini B
612.	2020MSCC21	Sindhu K
613.	2020MSCC23	Siva Dharshani C
614.	2020MSCC24	Soundariya Devi S
615.	2020MSCC25	Sushma M
616.	2020MSCC26	Varsha M
617.		M.SC ZOOLOGY
618.	2020MSCZ01	Anu R
619.	2020MSCZ02	Geetha A
620.	2020MSCZ03	Harshini Priya S
621.	2020MSCZ04	Monisha M
622.	2020MSCZ09	Shalini N
623.	2020MSCZ10	Sweatha P
624.	2020MSCZ11	Varshini S
625.		M.SC HNN
626.	2020MSCN01	AfrozeBeema R
627.	2020MSCN03	Akilandeswari M



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628.	2020MSCN04	ArunaAbirami D
629.	2020MSCN05	Buvaneswari C
630.	2020MSCN06	CathrinSheeba A
631.	2020MSCN07	Gopikha Devi R
632.	2020MSCN08	Haneesha Fathima A
633.	2020MSCN09	Ishwaryalakshmi M
634.	2020MSCN10	Jayanthi Selva Sundari W
635.	2020MSCN11	Atchaya K
636.	2020MSCN12	Sowmiya Devi K
637.	2020MSCN14	Mahalakshmi R
638.	2020MSCN17	Nithya A
639.	2020MSCN19	Pavithra G
640.	2020MSCN20	Rufina A
641.	2020MSCN21	Siva Ranjini P
642.	2020MSCN22	Sornalatha J
643.	2020MSCN27	Thilothama J S
644.	2020MSCN28	Vasanthi S
645.	2020MSCN29	Yami R
646.	2020MSCN30	Yamuna Valli S
647.	2020MSCM01	Abigail M
648.	2020MSCM03	Aishwarya S
649.	2020MSCM04	Ananthi V
650.	2020MSCM05	Arockia Christy J
651.	2020MSCM06	Ashaangeline C
652.	2020MSCM07	Atchaya M
653.	2020MSCM08	Belsiya Rani P
654.	2020MSCM10	DivyaLizy A
655.	2020MSCM11	Divya S
656.	2020MSCM12	Gowri Keerthana M
657.	2020MSCM13	Ilakkiya M
658.	2020MSCM14	Janane A M
659.	2020MSCM15	Jancy E
660.	2020MSCM16	Jeyashivani M
661.	2020MSCM17	Joelin J
662.	2020MSCM18	Kamali E
663.	2020MSCM19	Mohanapriya S
664.	2020MSCM20	Naga Nandhini A
665.	2020MSCM22	Rajeswari M
666.	2020MSCM23	Rathina Jothi C
667.	2020MSCM26	Saskia L
668.	2020MSCM27	Saumya P
669.	2020MSCM28	Shanmugapriya C
670.	2020MSCM29	Sheeba R
671.	2020MSCM31	Sindhiya Rai A
672.	2020MSCM33	Suvetha P
673.	2020MSCM35	Tonieshaa J
674.	2020MSCM36	Ubagara Shalini J
675.	2020MSCM37	VarshiniOom



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676.	2020MSCM38	Veerabharathi R
677.	2020MSCM39	Yazhini N
678.	2020MSCM40	Yogameenakshi A
679.	2020MSCM41	Archanaa M
680.	2020MSCM42	Reshma G
681.	2020MSCC01	Abitha R
682.	2020MSCC02	Akshaya K
683.	2020MSCC04	ArockiaAmrisha T
684.	2020MSCC05	Bhuvaneshwari C
685.	2020MSCC06	Bhuvaneshwari V
686.	2020MSCC09	Jaafrin Fathima J
687.	2020MSCC10	Jaya Dharshni G
688.	2020MSCC13	Karthiga R
689.	2020MSCC15	Mercy Magdalene P
690.	2020MSCC16	Pavithra S
691.	2020MSCC17	Priyanka M
692.	2020MSCC18	Rama Rohini B
693.	2020MSCC21	Sindhu K
694.	2020MSCC23	Siva Dharshani C
695.	2020MSCC24	Soundariya Devi S
696.	2020MSCC25	Sushma M
697.	2020MSCC26	Varsha M
698.	2020MSCZ01	Anu R
699.	2020MSCZ02	Geetha A
700.	2020MSCZ03	Harshini Priya S
701.	2020MSCZ04	Monisha M
702.	2020MSCZ09	Shalini N
703.	2020MSCZ10	Sweatha P
704.	2020MSCZ11	Varshini S
705.	2020MSCN01	AfrozeBeema R
706.	2020MSCN03	Akilandeswari M
707.	2020MSCN04	ArunaAbirami D
708.	2020MSCN05	Buveneswari C
709.	2020MSCN06	CathrinSheeba A
710.	2020MSCN07	Gopikha Devi R
711.	2020MSCN08	Haneesha Fathima A
712.	2020MSCN09	Ishwaryalakshmi M
713.	2020MSCN10	Jayanthi Selva Sundari W
714.	2020MSCN11	Atchaya K
715.	2020MSCN12	Sowmiya Devi K
716.	2020MSCN14	Mahalakshmi R
717.	2020MSCN17	Nithya A
718.	2020MSCN19	Pavithra G
719.	2020MSCN20	Rufina A
720.	2020MSCN21	Siva Ranjini P
721.	2020MSCN22	Sornalatha J
722.	2020MSCN27	Thilothama J S
723.	2020MSCN28	Vasanthi S



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724.	2020MSCN29	Yami R
725.	2020MSCN30	Yamuna Valli S
726.	2020MSCZ01	Anu R
727.	2020MSCZ02	Geetha A
728.	2020MSCZ03	Harshini Priya S
729.	2020MSCZ04	Monisha M
730.	2020MSCZ09	Shalini N
731.	2020MSCZ10	Sweatha P
732.	2020MSCZ11	Varshini S
733.	2020MSCN01	AfroseBeema R
734.	2020MSCN03	Akilandeswari M
735.	2020MSCN04	ArunaAbirami D
736.	2020MSCN05	Buvaneswari C
737.	2020MSCN06	CathrinSheeba A
738.	2020MSCN07	Gopikha Devi R
739.	2020MSCN08	Haneesha Fathima A
740.	2020MSCN09	Ishwaryalakshmi M
741.	2020MSCN10	Jayanthi Selva Sundari W
742.	2020MSCN11	Atchaya K
743.	2020MSCN12	Sowmiya Devi K
744.	2020MSCN14	Mahalakshmi R
745.	2020MSCN17	Nithya A
746.	2020MSCN19	Pavithra G
747.	2020MSCN20	Rufina A
748.	2020MSCN21	Siva Ranjini P
749.	2020MSCN22	Sornalatha J
750.	2020MSCN27	Thilothama J S
751.	2020MSCN28	Vasanthi S
752.	2020MSCN29	Yami R
753.	2020MSCN30	Yamuna Valli S



National Seminar on Research and IPR for Sustainable Development

PARTICIPANTS

UG & PG Students, Research Scholars & Faculty

REGISTRATION

Participants are requested to fill the online registration form using the following link.

<https://forms.gle/rViuyVYcGi6qNqmRA>.

The proof of the registration fee paid should be uploaded at the time of registration. Last date for registration is 12.02.2023.

REGISTRATION FEE

UG, PG Students	Rs. 250/-
Research Scholars	Rs. 300/-
Faculty	Rs. 500/-

PAYMENT DETAILS

Google Pay - 9486083303
Name - Dr.S.J.Kala
Dean Of Research

For Further Details Contact

Mrs.P. Kalai Selvi - 6379538844
Dr.R. Jothi Mani - 9962646724

PATRONS

Rev. Dr. Sr. M. FRANCISCA FLORA
Secretary, Fatima College (Autonomous)

Rev.Dr.Sr.G. CELINE SAHAYA MARY
Principal, Fatima College (Autonomous)

CONVENORS

Dr.S.J.KALA
Dean of Research
Associate Professor,
The Research Centre of English

Dr.M. ARASAMMAL
Dean of Research (SF)
Head & Associate Professor,
Department of Commerce (SF)

ORGANIZING SECRETARIES

Dr.J. Asnet Mary, Asst. Prof. of Zoology
Dr.P. Shymala, Head & Associate.Prof. of MBA
Mrs.P.Kalai Selvi, Asst. Prof. of Commerce
Dr.R.Jothi Mani, Asst. Prof. of Physics

ORGANIZING COMMITTEE

Dr.S. Parvathi, Asst.Prof. of English
Dr.M. Ragam, Asst. Prof. of Physics
Dr.M. Priyadharshini, Asst. Prof. of Chemistry
Mrs.A. Rosary Infanta, Asst. Prof.of BBA
Dr.B. Jayanthi, Asst. Prof. of MBA
Dr.P.Jacintha Josephine Julie,
Asst.Prof. of Sociology & Social Work



FATIMA COLLEGE (AUTONOMOUS)

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Mary Land, Madurai-625018.

NATIONAL SEMINAR ON

RESEARCH & IPR FOR SUSTAINABLE DEVELOPMENT



Jointly Organized By
Research and Development Cell
&
Intellectual Property Rights Cell

15 FEBRUARY 2023

Venue : Jubilee Hall
Time : 9 a.m - 4 p.m

Brochure



ABOUT THE COLLEGE

Fatima College (Autonomous) Mary Land, Madurai, is a Post Graduate and Research Institution for Women affiliated to Madurai Kamaraj University. It is a Catholic Minority institution established and run by St. Joseph's Society of Madurai (of the Congregation of the Sisters of St. Joseph of Lyon, France). This institution came into existence through the tireless efforts of the missionary sisters of St. Joseph of Lyon and the heroic sacrifice of Rev. Sr. Rose Benedicta, the Foundress of the College.

The College was started in St. Joseph's Campus Madurai as a Second Grade College with 63 students in 1953. It was upgraded in to a Post Graduate College in 1964; Autonomous in 1990 and a Research Institute in 2004. The College now offers 21 Undergraduate Programmes, 14 Postgraduate Programmes, 2 Professional Programmes and 6 Departments are Research Centres. It has a strength of 4062 students. The comprehensive assessment by NAAC re-accredited the College with A++ Grade in November 2021.

ABOUT THE RESEARCH AND DEVELOPMENT CELL

The Research and Development Cell functions with the aim of tapping the research potentials of staff and students and promotes Research Ambience on Campus. It facilitates the students to come up with innovative ideas for the development and sustenance of the environment and society at large.

It creates a platform for the students to exhibit their research skill through Students' Research Projects. The IPR Cell Promotes Innovative Research by Organizing workshops and seminars and strives for patenting the research outcome.

ABOUT THE SEMINAR

Research at the Higher Educational level enables in discovering different ideas, viewpoints and facts that produce a significant effect on teaching, learning and in bettering the society. The program aims to realize the vitality of research and the ways to innovate, produce and patent. The Seminar proposes to orient researchers towards exploring innovative avenues and familiarize them with the recent research tools.

OBJECTIVES OF THE SEMINAR

- ❖ To expose the students and faculty to the recent trends and developments in research on sustainable development.
- ❖ To channelize and strengthen the students' creative ideas towards successful research outcome.
- ❖ To sensitize students on the importance of Research activities in alignment with goals set by the United Nations Organization.
- ❖ To create awareness among Researchers to explore avenues and employ state-of-art tools.

The Seminar paves way to hone the research skills through the deliberations of the eminent speakers. It provides new insights into the process of research. It brings out innovation, novelty and diversification of new knowledge into an innovative product. It also provides tips for writing grant proposal for mobilizing funds from national funding agencies and publishing papers in the peer reviewed journals.

PROGRAMME SCHEDULE

Registration	8.30 a.m - 9.30 a.m
Inauguration	9.30 a.m
Welcome Address	Dr. S.J. Kala Dean of Research Fatima College
Inaugural Address	Rev. Dr. Sr. G. Celine Sahaya Mary Principal Fatima College Madurai.
Technical Session I	Nuances in Research Dr. S.C. B. Samuel Anbu Selvan Associate Professor Research Centre of Commerce The American College Madurai - 625 002
Tea Break	10.30 a.m- 11.00 a.m
Technical Session II	Research & Innovation in Higher Education Dr. H. Shakila Professor & Head School of Biotechnology Madurai Kamaraj University Madurai
Lunch	12.30 p.m- 1.30 p.m
Technical Session III	Creativity, Innovation and Design Thinking for Research Dr. C. Sekar Assistant Professor, Department of Bio-Physics Alagappa University Karaikudi - 630 003
Valediction Vote of Thanks	2.30 p.m - 3.30 p.m Dr. M. Arasammal Dean of Research (SF) Fatima College

Brochure



REPORT
THE NATIONAL SEMINAR
ON
“RESEARCH & IPR FOR SUSTAINABLE DEVELOPMENT” - 15 Feb. 2023

The Research and Development Cell & Intellectual Property Rights Cell of Fatima College in collaboration with the Fatima College Alumnae Association (FCAA) organised a National Seminar on 15 February 2023 on the topic Research and IPR for Sustainable Development.

The inauguration began at 9.30A.M. with the ceremonious lighting of the lamp by the dignitaries. **Dr. S. J. Kala**, Dean of Research and Associate Professor, Research Centre of English, welcomed the gathering. Around 250 participants including students, staff and research scholars from various colleges in and around Madurai along with 900 students, staff and research scholars from the host institution took part in the seminar. The total number of beneficiaries of the National Seminar is 1150.

In her inaugural address, **Dr. Sr. G. Celine Sahaya Mary**, Principal, emphasized the need to make judicious use of the natural resources and to sustain them. She reminded the participants about the United Nations 2030 Agenda for universal peace and prosperity. The Principal motivated the students and researchers to develop reading culture and to make optimum use of the library resources.

Dr. S. C. B. Samuel Anbu Selvan, Associate Professor, Research Centre of Commerce, The American College, Madurai, gave a special talk. In his talk, Dr. Anbu Selvan motivated the participants to explore the availability of government opportunities for pursuing research. He also wanted the young researchers to hone their research skills. The technical session on NUANCES IN RESEARCH was also handled by Dr. Anbu Selvan. He briefed on the important components of research like Abstract, Review of literature, identifying research gap, methodology and research tools. The talk ended with interesting Q&A session.

The second technical session on RESEARCH AND INNOVATION IN HIGHER EDUCATION was handled by **Dr. S. Sudhakar**, Professor, Department of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli. The speaker captivated the attention of the participants by throwing light on how critical and innovative thinking could create breakthrough in the world of research. His deliberations focussed on how new findings are possible when viewed differently. The session was very interactive.

The post-lunch session began with the technical session on CREATIVITY, INNOVATION AND DESIGN THINKING handled by **Dr. C. Sekar**, Department of Bio-Electronics and Bio-Sensors, Alagappa University, Karaikudi. Besides focussing on creative innovation and design thinking, Dr. C. Sekar spoke on applicability of research and IPR in

bioelectronics and biosensors. His intellectual ponderings on material science were an eye-opener to the young researchers. **Dr. K. Sakthipandi**, INSA Visiting Scientist, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore, was the chief guest for the valediction. In his valedictory address, Dr. K. Sakthipandi gave an overview of Intellectual Property Rights and described the various forms of IPR. He also enlightened the audience on the Patent Offices in India, Trademark symbols, deceptive similarities in logos, designs and of how novel ideas can be patented. Dr. K. Sakthipandi spoke about The Rajiv Gandhi National Institute of Intellectual Property Management at Nagpur that renders education in the field of Intellectual Property Rights.

The vote of thanks was proposed by **Dr. M. Arasammal**, Dean of Research (SF), Fatima College. The seminar ended with the national anthem.



Principal honoring the Guest Speaker, Dr. Samuel Anbu Selvan, Associate Professor, Research Centre of Commerce, The American College, Madurai



Principal, Dr. Sr. G. Celine Sahaya Mary, delivering the Inaugural Address



Dr. Samuel Anbu Selvan addressing the participants on 'Nuances in Research'



The Research and Development Cell Organises Exploria 2023 An InterCollegiate Research Competitions

Fatima College
(Autonomous)
Reaccredited with 'A++' by NAAC (Cycle - IV)
Mary Land, Madurai - 625018.

The Research & Development Cell
Cordially invites you to
EXPLORIA 2023
An Intercollegiate Research Competition
on
**IMPACTFUL INNOVATIONS :
A STEP TOWARDS TRANSFORMING SOCIETY**

Date : 02.03.2023
Time : 9.00 A.M.
Venue : Jubilee Hall

Programme

8.30 a.m. – 9.30 a.m.	: Registration
9.30. a.m – 10.30 a.m	: Inauguration
Welcome Address	: Dr. S. J. Kala Dean of Research Associate Professor The Research Centre of English Fatima College, Madurai
Inaugural Address	: Dr. Sr. G. Celine Sahaya Mary Principal Fatima College, Madurai
10.30 a.m. – 10.45 a.m.	: Tea Break
10.45 a.m – 12.30 p.m	: Presentation
12.30 p.m – 1.00 p.m	: Valedictory Address & Prize Distribution
Vote of Thanks	: Dr. M. Arasammal Dean of Research (SF) Head & Associate Professor Department of Commerce with CA Fatima College, Madurai

Invitation



REPORT EXPLORIA 2023

“IMPACTFUL INNOVATIONS: A STEP TOWARDS TRANSFORMING SOCIETY”

02 Mar. 2023

The Research and Development Cell of Fatima College organised Exploria 2023, an annual intercollegiate competition, on 02 Mar. 2023 on the theme - IMPACTFUL INNOVATIONS: A STEP TOWARDS TRANSFORMING SOCIETY.

The inauguration began at 9.30A.M. with the ceremonious lighting of the lamp by the dignitaries. **Dr. S. J. Kala**, Dean of Research and Associate Professor, Research Centre of English, welcomed the gathering. In her Inaugural Address, **Dr. Sr. G. Celine Sahaya Mary**, Principal, appreciated the stage-wise conduct of the competition and emphasized how **Exploria '23** has drawn enthusiastic researchers from various places including other states. Spiced with real life anecdotes, the inaugural address motivated the participants to aspire beyond mere theoretical framework and emphasized the importance of curiosity, perseverance and methodical development that would pave way for impactful innovations. After the inauguration, the final round of the competition was conducted with an expert team comprising **Dr. M. Balaji**, Head and Associate Professor, Department of MBA, VHNSN College, Virudhunagar, **Dr. S. Stephen Rajkumar Inbanathan**, Associate professor, Department of Physics, The American College and **Dr. S. R. Jayapradha**, Assistant Professor, Department of Chemistry, Government Arts College for Women, Nilakottai, as the juries.

The competition was conducted in two different levels. Accordingly, 28 teams of 146 participants representing Shift I and 20 teams of 93 members from Shift II courses of the host institution had sent the abstracts. Besides, 15 teams of 35 participants from colleges across the state competed by sending their abstracts. On February 29, 2023, a team of vibrant juries, representing both Humanities and Science subjects, evaluated the abstracts and shortlisted 10 presentations for Arts subjects and 10 for Science subjects for the semi finals held on March 1. Of the 20 selected video presentations, 5 were scrutinized and selected for the final round held on 2 Mar. 2023. Dr. I. Jeya Sheela, Assistant Professor, Research centre of Physics, Dr. V. Arul Deepa, Assistant professor, Department of Chemistry, Mrs. D. Mouna, Assistant Professor, Research centre of Home Science, Dr. M. Meena kumari, Head and Associate professor, Department of Sociology and Social work, Dr. M. Nagarenita, Assistant Professor, Department of MBA, Dr. R. Saktheeswari, Assistant Professor, Research centre of English, were the internal judges. In the final round, the participants from the host college as well as those from other colleges made a live presentation before the external evaluators of Exploria '23. 239 Fatimites and 35 participants from other colleges took part in the competition. The total number of beneficiaries of Exploria was 274.

D. Ancitta and P. Kavitha of Physics (Topic: **Implementation of technology in**

Environmental issues and Social impacts), K. Sheeba, K. Shanthini and S. Janani (Topic: **Greener Techniques for Sustainable Future**) of Chemistry and V. Sumithra, K. Anandhi and A. Vaishali of B.Com. CA (Topic: **H.O.P.E**) won the first, second and third prizes respectively. Among the participants from other colleges, S. Jasmine Beulah Salome, G. Beulah Sweetlin and A. P. Harsha Varthini (Topic: **A Smart Energy Management System (SEMS) using the Internet of things (IoT) incorporate with Light Dependent Resistor sensor and soil moisture sensor**) of Lady Doak College won the first prize. S. Mohana Priya (Topic: **A study on uplifting ancient Indian clay utensils and its impact on health and society**) of The American College got the second prize and Guru Prasath (Topic: **Innovative Technology Startups in Waste Management**) of ANJA College won the third prize.

Mr. B. T. Bangera, Managing Director, Hi Tech Arai Private Limited, sponsored mementoes for both the participants and the judges of the competition. He also sponsored cash prizes worth Rs. 10,000/-, Rs. 5000/- and Rs. 3000 respectively for Prizes I, II and III.

The Secretary **Rev. Dr. Sr. M. Francisca Flora** and the Principal **Dr. Sr. G. Celine Sahaya Mary** graced the Valediction and distributed the prizes. The vote of thanks was proposed by **Dr. M. Arasammal**, Dean of Research (SF), Fatima College.



External Panel of Juries



A Panel of internal Judges evaluating the Video presentations



Winners honoured with Mementoes and Cash Prize

**4.Green Chemistry****GREEN LAB MEASURES–FCCGLM**

**(Fatima College Chemistry Department Green Lab
Measurements)**

UG I Semester : All the volumetric analysis experiments are carried out using **Double Burette** system.

YEAR	Normal Procedure		GreenLab Measures		Saving of solvents/Solutions fromperstudents (ml)	Savings of solvents/Solutions from40 students (ml)
	For1 Experiment- Usageof solventsor solutions (ml)	For12 Experiments (ml)	For1 Experiment- Usageof solventsor solutions(ml)	For12 Experiments (ml)		
IUG Chemistry	300 ml	3600	50	600	3000	1,20,000
IUG Zoology (Allied)	300 ml	3600	50	600	3000	1,20,000
IUGHome Science (Allied)	300 ml	3600	50	600	3000	1,20,000
IIUG Physics (Allied)	300 ml	3600	50	600	3000	1,20,000
TOTAL SAVINGS FOR FIRST SEMESTER						4,80,000



I Year Procedures

In the first year of the course, the students are trained to do the volumetric analysis in a double burette method where 60% of water wastage is avoided and also the quantity of the solution used for the titrations are minimised.

Teaching them to learn to apply the principles of green chemistry at the start of their college science education will allow them more time to firmly establish a foundation in the principles of green chemistry that they can later use in their future careers.

Estimation of Ferrous Aluminum Sulphate

Estimate the amount of Ferrous Ammonium Sulphate (FAS) present in the whole of the given solution. You are provided with a standard solution of Ferrous ammonium sulphate containing 2g in 100ml. The link solution is KMnO_4 .

Titration -I: Std. FAS vs KMnO_4

Burette solution : KMnO_4

Solution: 20ml of std. FAS solution drained from 2nd burette + 1 test tube of dil. H_2SO_4

Indicator : Self

Endpoint : Appearance of pale permanent pink colour

The first end point is noted and again 1ml of std.FAS solution is added from the 2nd burette to the same conical flask solution. The pink colour disappears and again KMnO_4 is added in drops till pale permanent pink colour appears. The 2nd end point is noted. The same procedure is repeated for two more additions of std.FAS and the end points are noted down and recorded.

Make up the given FAS to 100ml in a 100ml standard measuring flask.

Titration -II: KMnO_4 vs made up FAS

Burette solution : KMnO_4

Conical flask solution : 20ml of made up FAS solution drained from 2nd burette +
1 test tube of dil. H_2SO_4

Indicator : Self

Endpoint : Appearance of pale permanent pink colour

The first end point is noted and again 1ml of made up FAS solution is added from the 2nd burette to the same conical flask solution. The pink colour disappears and again



KMnO₄ is added in drops till pale permanent pink colour appears. The 2nd end point is noted. The same procedure is repeated for two more additions of made up FAS solution and the end points are noted down and recorded.



II Year Procedures

- From the Second year onwards the students perform Inorganic qualitative analysis, in which the hazardous acid evaporation is completely eliminated and the results are found by using the residue and wet reactions. By this method the hazardous vapours are not let in to the campus.
- After they have completed the procedure and analyzed their results, students are challenged in a “Think green inquiry section” to consider what principles of green chemistry are positively impacted and to research particular relevant topics.
- Students shall surely continue on in science or engineering profession

Syllabus highlighting the Green Lab experiments

FATIMA COLLEGE (AUTONOMOUS), MADURAI- 18 VOLUMETRIC ANALYSIS – I - 19C1CC3

I UG CHEMISTRY

3hrs/ week

(SEMESTER – I) credits : 2 (For those who joined in 2019 onwards)

COURSE DESCRIPTION

This course trains the students to prepare the solutions of different concentrations and to estimate quantitatively by different techniques. Double burette method is adopted to minimize the usage of water and chemicals.

COURSE OBJECTIVE

This practical paper deals with the principles of volumetric analysis, classification of reactions in volumetric estimations, (Neutralisation- acidimetry and alkalimetry , Redox reaction – Permanganometry, Dichrometry- Iodometry and Iodimetry titrations)

COURSE OUTCOMES

After completion of the course, the students should be able

- To prepare solutions of desired concentrations .
- To apply the principles of volumetric analysis in acid base, permanganometry, and iodometric titrations.
- To compare the principles behind all types of titrations
- To identify suitable indicators for a particular reaction.

List of titrations involved in volumetric analysis

- Estimation of Potassium Permanganate



- Estimation of Ferrous Ammonium Sulphate
- Estimation of Ferrous Sulphate
- Estimation of Oxalic Acid
- Estimation of Sodium Hydroxide
- Estimation of Sodium Carbonate
- Estimation of Potassium Dichromate

Reference Book : V.Venkateswaran, R. Veeraswamy & A.R. Kulandaivelu, Basic Principles of Practical Chemistry, 3rd Edn, 1992.

FATIMA COLLEGE (AUTONOMOUS), MADURAI-18
INORGANIC QUALITATIVE ANALYSIS-19C3CC9
II UG CHEMISTRY

3hrs/ week (SEMESTER –III) **credits :2**
(For those who joined in 2019 onwards)

COURSE OBJECTIVE: This paper Involves the analysis of inorganic mixtures an acid and basic radicals qualitatively. Interfering radicals are not eliminated instead alternative procedures are adopted.

Course Outcomes

After completion of the course the students should be able to:

- Get the knowledge of procedure for group separation and group analysis
- Identify various ions present in mixture of salt
- Recognize the role of oxidizing agents, reducing agents, group reagents and complexing agents.
- Analyse the experimental observations and inferences with theory behind practicals.

Interfering Acid radicals

- Phosphate
- Borate
- Oxalate
- Fluoride

Non interfering acid radicals

- Chloride
- Bromide
- Iodide
- Carbonate
- Sulphate
- Nitrate



Basic radicals

Group I : Lead

Group II : Bismuth, copper, cadmium, Group III :

Manganese, Iron and chromium. Group IV :

Manganese, Cobalt, Nickel and Zinc Group V :

Calcium, Strontium and Barium Group VI :

Ammonium and Magnesium

Reference Book :

V.Venkateswaran, R. Veeraswamy & A.R. Kulandaivelu, Basic Principles of Practical Chemistry, 3rd Edn, 1992.

FATIMA COLLEGE (AUTONOMOUS) MADURAI-18 ORGANIC QUALITATIVE ANALYSIS – II-19C4CC12 SEMESTER –IV

(For those who joined from 2019 onwards)

3Hours / week

Credits-2

Course Descriptive:

This course gives lab experience on organic qualitative analysis.

Course Objective:

This course gives lab experience on organic qualitative analysis by simple chemical reactions.

Course outcome:

After completion of the course the students should be able to:

- Gain the knowledge of appearance, colour, physical state, and odour of organic substances.
- Distinguish whether the given compound is Aliphatic or Aromatic, and Saturated or Unsaturated.
- Perform the confirmatory test for various functional groups present in the given organic compound.
- Recognize the usage of apparatus and laboratory reagents.
- Relate the experimental observations with theory behind practicals.
- **Avoiding hazardous experiments by doing microlevel eco friendly experiments.**



Organic qualitative analysis

The analysis involving the detection of following characteristics of the given organic compound

1. Whether given organic compound is aliphatic or aromatic
2. Whether given organic compound is saturated or unsaturated
3. Detection of Elements: Nitrogen, Sulphur and halogens
4. Any one of the following functional groups

Carbohydrate Aldehyde

Ketone

Phenol

Amides

Carboxylic Acids

Amines

Nitro compounds

5. Preparation of derivatives for the above functional groups.

Reference Book

V.Venkateswaran, R. Veeraswamy & A.R. Kulandaivelu, Basic Principles of Practical Chemistry, 3rd Edn, 1992.

FATIMA COLLEGE (AUTONOMOUS) MADURAI-18

B.Sc Chemistry-VI SEMESTER

GREEN CHEMISTRY PRACTICALS-III - 19C5CC16

(For those who joined in June- 2019)

3 Hrs/week

2 credits

Objective: This paper includes the greener methods of preparation of Organic compounds and nano particles

After the completion of the course the students are able to

To understand the green synthesis methods

To know about the Acetylation/ Propionylation of aniline using water as eco friendly solvent.

To familiarise about the silver nanoparticles by green synthesis

To learn about the preparation of organic compounds by using clay.

To equip the Preparation of Schiff base by microwave technique.

i) Greener methods of preparation of organic compounds

1. Preparation of bis-naphthol in solvent free conditions
2. Preparation of Aryl nitro compounds via microwave irradiation
3. Preparation of imines using clay.(?)
4. Preparation of Pyrazolone derivatives using microwave irradiation
5. Preparation of Adducts (Diels Alder)

ii) Greener methods of preparation of Nanomaterials (Demonstration)

1. Preparation of Silver nanoparticles from Silver nitrate
2. Preparation of Zinc oxide from Zinc acetate



3. Preparation of Titanium dioxide from Titanium chloride
4. Preparation of Cobalt from Cobalt nitrate
5. Preparation of Copper from Copper sulphate

Value Education

SEMESTER –I

For those who joined in 2020-2021 onwards

COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
21G1VE1	Personal Values	Lecture / Practical	1	1

COURSE DESCRIPTION

This course aims at creating awareness on self and personal values. The students will also learn to build positive self esteem.

COURSE OBJECTIVES

- To enable students to understand the importance of values for self development.
- To develop self confidence and self esteem.

UNIT-I CORE VALUES

(3 HRS.)

Love - Compassion - Gratitude - Loyalty - Humility - Courage - Steps to develop courage - Endurance.

UNIT -II SELF MASTERY

(3 HRS.)

Self Awareness- SWOT Analysis - self identity - importance - personal identity - professional identity - success map - case studies.

UNIT -III SELF ESTEEM

(3 HRS.)

High and low self esteem - characters - causes - steps to build positive self esteem.

UNIT -IV CASE STUDIES

(2 HRS.)

Case studies on personal values, high and low self esteem.

UNIT -V EXERCISES

(4 HRS.)

Individual: 1. SWOT Analysis (Entry and Exit level).

2. Any core value you cherish and follow

Group: Newspaper clippings exhibiting a value that they have learnt.

REFERENCES

1. Shiv Khara. (2000). **You can win**, Macmillan India Ltd.



2. Dr.C.S.G.Krishnamacharyulu and Dr.Lalitha Ramakrishnan. (2012). **Personality Development, Interpersonal Skills and Career Management**, Himalaya Publishing House, New Delhi.
3. BarunK.Mitra. (2012). **Personality Development and Soft Skills**, Oxford University Press, New Delhi.
- 4.Cairo Jim.(1998). *Motivation and goal setting*.Career Press, New Jersey, USA.
5. Shiv Khera.(2014). *Living with honour*. Macmillan Publisher, India.

SEMESTER –II

For those who joined in 2020-2021 onwards

COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEEK	CREDITS
21G2VE2	Values for life	Lecture	1	1

COURSE DESCRIPTION

The course aims at creating a positive attitude among students and motivates them to set goals in life.

COURSE OBJECTIVES

- To enable students to learn the importance of self identity.
- To make them know their self worth and value.
- To enthuse them to set specific goals.

UNIT-I ATTITUDE

(3 HRS.)

Attitude towards life- Factors determining attitude – Benefits of positive attitude-Steps to build positive attitude-negative attitude - consequences.

UNIT –II MOTIVATION

(3 HRS.)

Difference between inspiration and motivation, external and internal motivation, demotivating factors, steps to motivate others.

UNIT –III GOAL SETTING

(3 HRS.)

Goal setting and its importance - reasons for not setting goals - steps in goal setting - Meaningless goals

UNIT –IV CASE STUDIES

(3 HRS.)

Case studies on people with positive and negative attitude and on inspiring people.

UNIT –V EXERCISES

(3 HRS.)



Individual: 1. Setting short and long term goals.

2. Source of motivation

Group: Finding solutions with a positive attitude for selected case studies .

REFERENCES

1. Shiv Khera (2000), **You can win**, Macmillan India Ltd.
2. Dr.C.S.G.Krishnamacharyulu and Dr.Lalitha Ramakrishnan (2012), **Personality Development, Interpersonal Skills and Career Management**, Himalaya Publishing House, New Delhi.
3. BarunK.Mitra (2012), **Personality Development and Soft Skills**, Oxford University Press, New Delhi.
4. Motivation and goal setting – Jim Cairo
5. Living with honour – Shiv Khera

WORKSHEETS TAKEN FROM:

Koikara, Felix. *Live Your Values*. Chennai: Don Bosco Youth Animation Centre, 1990. Print.

SEMESTER –III

For those who joined in 2020-2021 onwards

COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
21UAD3E S	Professional Ethics	Lecture	1	1

COURSE DESCRIPTION

The course aims at creating ethical values among students and motivate them to set goals in life, based on the ethical values.

COURSE OBJECTIVES

- To make them know Ethical values
- To enable students to learn about ethical leadership.
- To enthuse them to behave significantly in this digital era.

UNIT-I INTERPERSONAL AWARENESS & LEADERSHIP (3 HRS.)

Trust and relationship- resolving interpersonal problems. Leadership- Qualities of a good leader.



UNIT –II ETHICAL VALUES

(3 HRS.)

Ethics - Sources of Ethical values-Professional Ethics-Factors that modify ethical values-Solving ethical Problems-Five rules for ethical behaviour.

UNIT –III DIGITAL CITIZENSHIP

(3 HRS.)

Good digital etiquette-bad digital etiquette- Netiquette -Whats App Etiquette and Cyber bullying.

UNIT –IV

CASE STUDIES

(2 HRS.)

Case studies on ethics depicted by great leaders in their life

UNIT –V

EXERCISES

(4 HRS.)

Individual:1.Write up on the person whom you admire the most and the quality that inspired you.

2. Professional Ethics

Group: Positive and negative impact of internet, mobile phones, and social media.

REFERENCES

1. Shiv Khera (2000), **You can win**, Macmillan India Ltd.
2. Dr.C.S.G.Krishnamacharyulu and Dr.Lalitha Ramakrishnan (2012), **Personality Development, Interpersonal Skills and Career Management**, Himalaya Publishing House, New Delhi.
3. BarunK.Mitra (2012), **Personality Development and Soft Skills**, Oxford University Press, New Delhi.

WORKSHEETS TAKEN FROM:

Koikara, Felix. *Live Your Values*. Chennai: Don Bosco Youth Animation Centre,1990. Print.

SEMESTER –IV

For those who joined in 2020-2021 onwards

COURSE CODE	COURSE TITLE	CATEGOR Y	HRS/WEEK	CREDIT S
21UAD4E S	Personality Development	Lecture	1	1

COURSE DESCRIPTION

This course offers insight into personality development, time management and tackling procrastination.

COURSE OBJECTIVES



- To realize the importance of relationships.
- To hone their leadership qualities.
- To value time and manage it responsibly.

UNITS

UNIT –I PERSONALITY DEVELOPMENT (3 HRS)

Steps to build positive personality-Steps to build personality.

UNIT –II TIME MANAGEMENT (3 HRS)

Meaning-Process of time management- Strategies of time management.

UNIT –III TACKLING PROCRASTINATION (3 HRS)

Why do you procrastinate – Effects of Procrastination - Overcoming procrastination.

UNIT –IV CASE STUDIES (3 HRS)

Life history of popular personalities, Cases of ideal and poor time management, Causes and consequences of procrastination

UNIT –V EXERCISES (3HRS)

Individual: 1. Describing them self based on their Traits, Values practises, Behaviours with friends, family and strangers.
2. Overcoming procrastination

Group: As a Team real life time management experiences should be presented.

REFERENCES:

1. Dr. C. S. G. Krishnamacharyalu and Dr. Lalitha Ramakrishnan. (2012). ***Personality Development, Interpersonal Skills and Career Management.*** Himalaya publishing house, New Delhi.
2. Marc Mancini. (2005). ***Time management.*** Tata Mc Graw-Hill Publishing Co Ltd, New Delhi.
3. Abishek Thakaro. (2013). ***Super students.*** Pustak Mahal, New Delhi.



SEMESTER VI

For those who joined in 2020-2021 onwards

COURSE CODE	COURSE TITLE	CATEGORY	HRS/WEEK	CREDITS
21UAD6ES	Life Skills	Lecture	1	1

COURSE DESCRIPTION

This course develops life skills in students and throws insight on qualities of a successful person.

COURSE OBJECTIVES

- 1.To learn the basic skills required for life
2. To gain skills to overcome obstacles and succeed in life

UNIT -I LIFE SKILLS

(3 HRS)

Problem solving- Critical and creative thinking- Decision making- Managing emotions

UNIT -II SUCCESS

(3 HRS)

What is success?- Obstacles and overcoming obstacles- Choices and compromises- Qualities of a successful person- Reasons for failure, recipe for success

UNIT -III GIVING BACK TO SOCIETY

(3 HRS)

To Family, To Schools, To Colleges.

UNIT -IV CASE STUDIES(3 HRS)

Problem solving, decision making case studies, successful personalities and persons who give back to society

UNIT –V EXERCISES

(3 HRS)

Individual:1. Chart work on Road map to success

2. Life skills you wish to develop

Group: Analysis of case studies

REFERENCES:

1. Department of Foundation Course.(2010).***An Introduction to Personality Development***. Arul AnandarCollege, Karumathur.
2. Capt.RaviMahajan.(2011).***Yes We Can Together***.Do Good publishers,Chennai.
3. Barun K Mitra.(2011).***Personality Development and Soft Skills***. Oxford University Press, Delhi.
4. C.S.G.Krishnamacharyulu& Lalitha Ramakrishnan.(2012).***Personality Development, Interpersonal Skills and Career Management***.Himalaya Publishing House,Mumbai.
5. Khera, Shiv.(2001). ***You Can Win***. Macmillan India Ltd, New Delhi.
6. Koikara, Felix.(1990).***Live Your Values***. Don Bosco Youth Animation Centre, Chennai.