

## **AUXILIUM COLLEGE (Autonomous)**

(Accredited by NAAC with A+ Grade with a CGPA of 3.55 out of 4 in the 3<sup>rd</sup> cycle) Gandhi Nagar, Vellore – 6.

# Research Cell Report 2021-2022

NAAC CYCLE IV SSR 2023

## AUXILIUM COLLEGE (AUTONOMOUS) RESEARCH CELL ACTIVITIES REPORT

### 2021-2022

## Activity: 1

DATE: 1.12.2021 & 2.12.2021 PROGRAMME: Orientation Programme TOPIC: "Innovate to Venture" No. of Beneficiaries: 852

The Research and Publication Committee & Centre for Innovation and Business Incubation jointly organised an orientation programme on the topic "**Innovate to Venture**" through zoom platform for the III UG and I & II PG students of both shift I and shift II on 1<sup>st</sup> and 2<sup>nd</sup> December 2021.The programme was inaugurated virtually with the prayer song on 1.12.2021 at 3.00 p.m.

The Principal Rev. Sr. R. Jaya Santhi delivered the keynote address, encouraging the students to take up the research work enthusiastically. Dr. S. Lavanya, Assistant Professor & Head incharge of Computer Science introduced the resource person Dr. J. Madhavan, Associate Professor of Physics and Dean of Research, Loyola College, Chennai and welcome the gathering.

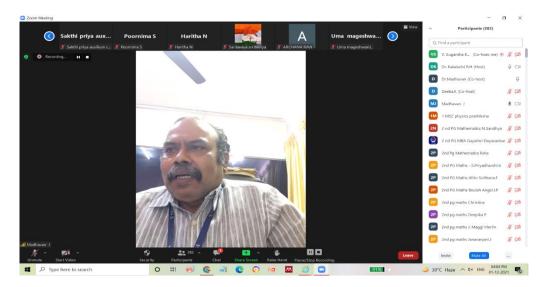
Dr. J. Madhavan highlighted on the topic "The art of writing projects". He mentioned about the significance of research and innovative ideas in writing projects. He focussed on advantages and disadvantages of trade secrets, copyright, patents and geographical indications. 392 PG I & II year students of shift I and shift II participated with enthusiasm and they interacted with the resource person by raising questions.

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Dr. J. Madhavan, Associate Professor of Physics and Dean of Research, Loyola College, Chennai, highlighted on the topic "The art of writing projects"

Dr. Beulah Suresh, Assistant Professor & Head incharge of MBA, gave an insight on the innovation and ideas to develop as good Entrepreneur. Dr. V. Sugantha Kumari, Assistant Professor of Chemistry and Director of Research studies, proposed the vote

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of thanks. At the end of the session a link for feedback form was send to the students to fill in their comments. The overall session was anchored by Dr. R.H Kalaiselvi, Assistant Professor & Head incharge of B.A. English 'B' section.

The programme was inaugurated virtually by prayer song on 2.12.2021 at 10.00 a.m. Dr. S. Auxilia Antony, Assistant Professor of Commerce, introduced the resource person, Dr. K. Kishore, Assistant Professor of Commerce, Voorhees College, Vellore and welcome the gathering. Dr. K. Kishore highlighted on the topic "Innovative ideas". He spoke about the role models and inventors of many innovative ideas such as paper N parcels (pick up drop) and tap security solutions. He focussed on entrepreneurship development and opportunities in campus to implement the ideas of innovation. 180 UG III-year students of shift II participated with enthusiasm, and they interacted with the resource person by raising questions. Dr. N. Kumari, Assistant Professor of Tamil, proposed the vote of thanks. At the end of the session a link for feedback form was send to the students to fill in their comments. The overall session was anchored by Ms. N. Nirmala Devi, Assistant Professor of Computer Science.



Dr. K. Kishore, Assistant Professor of Commerce, Voorhees College, Vellore explained on the topic "Innovative ideas"

The programme was inaugurated virtually by prayer song on 2.12.2021 at 3.00 p.m. Dr. G. Abi Beaulah, Assistant Professor & Head in-charge of Biochemistry introduced the resource person Dr. K. Geetha, Associate Professor and Head, PG & Research Department of Chemistry, Muthurangam Govt. Arts College, Vellore and welcome the gathering.

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Dr. K. Geetha highlighted on the topic "Innovate to Venture". She focussed on the Research perception, Invention and Innovation. She discussed the role of government in implementing the ideas and the future scope of the science and projects. She shared her experiences in experimental learning. 280 students of UG III year shift I participated with enthusiasm, and they interacted with the resource persons by raising questions. Dr. V. Ganga, Assistant Professor of History proposed the vote of thanks. At the end of the session a link for feedback form was send to the students to fill in their comments. The overall session was anchored by Dr. E. Latha, Assistant Professor of English.



Dr. K.Geetha, Associate Professor and Head, PG & Research Department of Chemistry, Muthurangam Govt. Arts College, Vellore, highlighted on the topic "Innovate to Venture"

## Activity: 2

DATE: 06.12.2021 PROGRAMME: International Webinar TOPIC: Tamil Research No. of Beneficiaries: 450

The Research and Publication Committee & Department of Tamil jointly organized an International Webinar on 06/12/2021 at 3.30pm through zoom platform. Dr. Kumari N., Assistant Professor of Tamil, welcomed the gathering and introduced Dr. Kartheges Ponniah, Head of Tamil Language Program, Sultan Idris Education University, Malaysia. He delivered a Resource Lecture on the topic "Division of Research Methodology". Dr. Gowthama Selvi E.,

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Assistant Professor of Tamil welcomed and introduced Dr. P. Vimala, Head PG and Research Department of Tamil, Chellamal Women's College, Pachaiyappan Foundation, Chennai. Dr. P. Vimala, highlighted on the topic "Study of Tamil language in research field" Dr. V. Sugantha Kumari, Director of Research Studies delivered the keynote address, encouraging the students to take up the research in Tamil Language. Professors, Research Scholars and more than 450 students from Singapore, Malaysia, and Vellore participated with enthusiasm and learnt in detail of Research in Tamil Language. Dr. Papeetha J., Assistant Professor of Tamil proposed the vote of thanks. The overall session was anchored by Dr. Papeetha Assistant Professor of Tamil.



## Activity: 3

## DATE: 25. 01. 2022 PROGRAMME: National webinar TOPIC: "Intellectual Property Rights" No. of Beneficiaries: 1516

A National Level webinar on "Intellectual Property Rights" was organised on 25.01.2022 for faculty, research scholars and students of Higher Education, nationwide. The session began with a Prayer Song invoking the Almighty's grace and blessings. Dr. Mary Agnes A., IQAC Co-ordinator, welcomed the dignitaries and participants to the virtual session.

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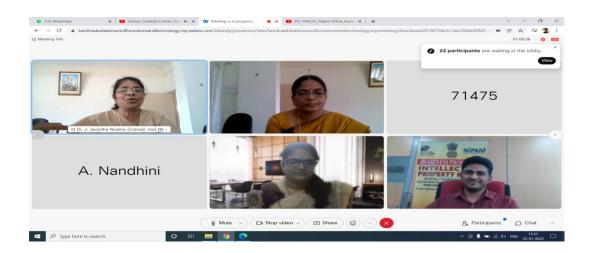
AGENDA	PATRONS Sr. Alice K.T, Secretary, Auxilium College, Vellore
Inauguration: 11.00am	Dr. Srinivasan R, Member Secretary, TNSCST, Chennai
Prayer Song	CONVENER
Welcome Address:	Dr. (Sr.) Jaya Santhi R, Principal
Dr. Mary Agnes A	CO-CONVENERS
IQAC Co-ordinator	Sr. Sumathi M Dr. (Sr) Amala Valarmathy A
Auxilium College (Autonomous), Vellore.	Vice Principal (Shift I) Vice Principal (Shift II)
Inaugural Address:	CO-ORDINATORS
0	Dr. Mary Agnes A, IQAC Co-ordinator
Dr.(Sr.) Jaya Santhi R	Dr. Sugantha Kumari V, Director of Research Studies
Principal, Auxilium College (Autonomous), Vellore.	ORGANIZING SECRETARIES
Felicitation:	Dr. Abi Beaulah G
Ms. S. Gomati Padma Thilaga	Dr. Kumari N
Scientist-B, Patent Information Centre,	Dr. Jesintha Rosline J
TNSCST, Chennai.	ORGANIZING COMMITTEE
Resource Talk:	Dr. Beulah Suresh Dr. Mary Gabriel I
Shri Lakshmi Narayanan A	Dr. Auxilia Antony S Dr. Devanayagi A
-	Dr. Uma Chandra N Dr. Ganga V
Examiner of Patents and Designs	Dr. Kalaiselvi R.H Dr. Anitha T
Intellectual Property office	Ms. Nirmala Devi N Dr. Gayathiri R
Chennai.	Dr. Lakshmi N Ms. Shree Rekha
Vote of Thanks:	Dr. Bertila R Ms. Anitha S
Dr. Sugantha Kumari V	For any queries:
Director of Research Studies	Dr. J. Jesintha Rosline,
	Asst. Prof. of Mathematics, Auxilium College, Mobile number: 9841958938
Auxilium College, Vellore.	iesinthamaths@auxiliumcollege.edu.in
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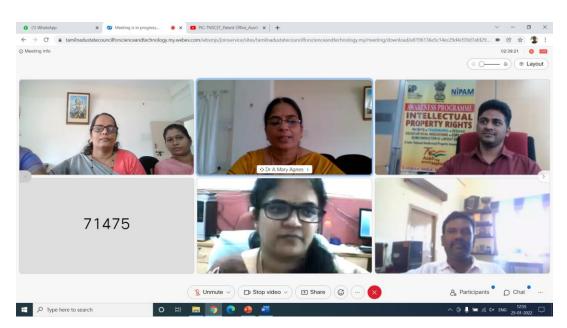


The Inaugural Address by Dr. (Sr.) Jaya Santhi R., Principal, Auxilium College and Ms. S. Gomati Padma Thilaga, Scientist-B, Patent Information Centre, TNSCST, Chennai, presented her felicitations expressing her appreciation for the organisers attempts to create awareness and inculcate knowledge to the stakeholders of Higher Education.

The Resource Person, Shri Lakshmi Narayanan. A, Examiner of Patents and Designs, Intellectual Property Office, Chennai acknowledged his affiliation to Auxilium College as his sibling's Alma Mater and conveyed his pleasure on being invited to share his expertise and views on IPR. The session proceeded with information imparted at 4 levels: What is IPR? Significance of IPR, Types of IPR, Application for IPR. Technical and literal definitions of the term IPR were distinctly explained with suitable illustrations to bring home the purpose and importance of patenting. For instance, he pointed that the cost borne by FACEBOOK to change its title name to META was around Rs.400 crore. Registering a house for legal possession was the same as patenting property to innovation or invention. IPR in academics could significantly add advantage to profile appraisal of the possessors, which is a matter of pride and esteem. The 7 categories of IPR were claimed to be different commodities in patenting products or processes which could be registered under any one category alone or in a combination, accordingly. The application and procedure to be followed for patenting was clearly explained and quires required for the process and duration of validity were duly answered.

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The Resource Person, Shri Lakshmi Narayanan. A, Examiner of Patents and Designs, Intellectual Property Office, Chennai shared his expertise and views on IPR.

Brain-storming questions on the information provided on patenting were instantaneously answered by the participants which was followed by the Questionnaire Session. The meet ended with an assurance from the Resource Person of providing e-certificates to the participants as per the details furnished in the Feedback Form forwarded at the end of the session. Dr. Sugantha Kumari V, Director of Research Studies, proposed the Vote of Thanks acknowledging the presence of the dignitaries, organisers and Auxilium College Management for this opportunity to share the informative output and the participants for their active interaction and enthusiasm.

#### **Participation Statistics**

- Registered Participants: 3238
- Beneficiaries: 1516

## Activity: 4

## DATE: 23. 03 2022 PROGRAMME: Auxilium Young Innovators' Day No. of Beneficiaries: 200

The Auxilium Young Innovators' Day was organized on 23<sup>rd</sup> March 2022. The theme of the event was to encourage the young talents who have innate creativity. The programme began with a prayer song invoking the Almighty, grace and blessings followed by lighting of kuthuvilaku by the patron Sr. K. T. Alice, Secretary, Convener Dr. Sr. Jaya Santhi.R Principal, Co-conveners Dr. Sr. Sumathi and Dr. Sr. Amala

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Valarmathy Auxilium College, Research Director Dr. V. Sugantha Kumari, and the past pupil Ms. S. Padma, Director, Bharathidasanar Group of School, Arakonam



Sr. Alice K.T., The Secretary, Auxilium College Lighting the Kuthu Vilakku

Dr. Beulah Suresh, Assistant Professor & Head in-charge of Business Administration, welcomed and introduced the Judges Dr. J. Madhavan, Associate Professor of Chemistry, Thiruvalluvar University Serkkadu and Dr. K. Kishore, Assistant Professor of Commerce, Voorhees College, Vellore. The Principal Rev. Sr. R. Jaya Santhi delivered the keynote address, encouraging the students to dream, create and inspire and bring out their talents in the form of models. Dr. J. Madhavan, Associate Professor of Chemistry, Serkkadu, Thiruvalluvar University and Dr. K. Kishore, Assistant Professor of Commerce, Voorhees College, Vellore highlighted on young innovators and research funding to do the projects. Students from Sacred Hearts College Tirupattur, VIT and Auxilium College participated in the contest. Innovations in different fields in the form of working models for Science and non-working models for Arts students were brought out by the students. The judges evaluated the projects and announced the results.

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## Welcome Address by Dr. Beulah Suresh, Assistant Professor & Head, Department of Business Administration, Auxilium College, Vellore



Sr. Alice K.T., The Secretary, Auxilium College honouring the Chief Guest Dr. J Madhavan, Associate Professor of Chemistry, Thiruvalluvar University

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Research and Publication - Young Innovators Day

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Dr. Sr. Jaya Santhi R., The Principal, Auxilium College honouring the Chief Guest



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Dr. K. Kishore, Assistant Professor of Commerce, Voorhees College, Vellore

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### **EVALUATION OF PROJECTS**



Dr. J. Madhavan, Associate Professor of Chemistry, Thiruvalluvar University Evaluating the Science Innovation Projects



Dr. K. Kishore, Assistant professor of Commerce, Voorhees College, Vellore Evaluating the Arts Innovation Projects

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#### **PRIZE WINNERS**

The prize winners of Young Innovators Day were awarded with cash prize of Rs.3000/- First Prize, Rs. 2000/- Second Prize, Third Prize -1000/- Consolation prize Rs.500/- for Arts and Science separately with merit and participation certificates.

#### **ARTS:**

I Prize: Kripasini .B MBA, Auxilium College

II Prize: Suganya G. BA English, Auxilium College

Sivanandhini G. BA English, Auxilium College

Deepti M. BA English, Auxilium College

III Prize: Lavanya R. B. Com, Auxilium College

**SCIENCE:** 

I Prize: Samreen F. B.Sc. Computer Science, Auxilium College

Radhika S. B.Sc., Computer Science, Auxilium College

Anjalin Shiny S. B. Sc. Computer Science, Auxilium College

II Prize: Chandini S. B.Sc. Viscom, Auxilium College

Harshita P. B.Sc.Viscom, Auxilium College

III Prize: Ragavi S. P. Research Scholar VIT

Jeevarathinam M. Research Scholar VIT

Nethra Kuruthukulangara Research Scholar VIT

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## VALEDICTORY



Valedictory Address by Dr. J Madhavan, Associate Professor of Chemistry, Thiruvalluvar University



Science Innovation Projects - First Place secured by Samreen F., Radhika S. and Anjalin Shiny S., for SMART WALK project

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Science Innovation Projects - Second Place secured by Chandini S. and Harshita P. for VIRTUAL REALITY project



Science Innovation Projects - Third Place secured by M. Jeevarathinam, S.P. Ragavi, Nethra Kuruthukulangara and I.V. Asharani for SUNLIGHT ASSISTED PHOTOCATALYTIC DEGRADATION OF HAZARDOUS TEXTILE DYES USING LOW-COST CuO NPS: A GREENER APPROACH

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**Science Innovation Projects - Consolation Prize Winners** 



Arts Innovation Projects - First Place secured by B. Kripasini for KRIPIN-TREASURE YOUR HOLIDAYS project

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Arts Innovation Projects - Second Place secured by Suganya G., Shivanandhini G. and Deepti M. for WOMEN SECURITY DEFENSER project



Arts Innovation Projects - Third Place secured by Lavanya R., Helen M. & Shalini P. for THE DAILY DERM project

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**Arts Innovation Projects - Consolation Prize Winners** 



The Chief Guests releasing the cover page of the Proceedings of Auxilium Young Innovators' Day-2022

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Vote of Thanks by Dr. Abi Beulah G. Assistant Professor & Head, Department of Biochemistry, Auxilium College, Vellore



The Organizing Team - Auxilium Young Innovators' Day-2022

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