



**St. Mary's College (Autonomous)**  
Reaccredited with 'A+' Grade by NAAC (Cycle IV)  
Thoothukudi



**Criterion: III – Research Innovation and Extension**  
**3.3 Innovative Ecosystem. Year: 2018-2023**

### 3.3 Innovative Ecosystem

3.3.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation Centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

#### IIC Annual Report

##### ➤ 2020-2021

#### **Registration of Institution's Innovation Council (IIC) programme through MoE's Innovation Cell (MIC)**

Our college has registered for Institution's Innovation Council (IIC) programme through MoE's Innovation Cell (MIC) to systematically foster the culture of innovation and start-up ecosystem in education institutions.

#### **Implementation of various programmes under Institution's Innovation Council (IIC) through MoE's Innovation Cell (MIC)**

Institution's Innovation Council and the departments of our college organised various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion. It also organised periodic workshops and seminars related with IPR, innovation, Entrepreneurship. IIC of our college along with Rotary Club of Pearl City has inaugurated "Maria Training Institute" on 27<sup>th</sup> March 2021 for making Jute bags, Crafts and Tailoring in Cruzpuram, Thoothukudi.

#### **Institution's Innovation Council (IIC)**

Our College Institution's Innovation Council won "Two Star" status for the academic year 2020-2021.

Institution's Innovation Council and Department of Computer Science jointly celebrated the world entrepreneurship day on 23<sup>th</sup> August 2021. A gif creation competition on "Entrepreneurialism" was conducted on account of world entrepreneurship day celebrations. Forty eight students from second B.Sc. and third B.Sc. Computer Science participated in this

competition. T.Raja Dharshini, S. Kamleshwari and A. Ausrini Srimathi Mercy of III B.Sc. Computer Science students of St.Mary's College (Autonomous) were declared as First Prize, Second prize and Third Prize winners respectively. Dr. B. Serena Margaret, Associate Professor of English, IQAC Co-ordinator and Innovation Ambassador evaluated the gif.

Institution's Innovation Council and PG & Research Department of Commerce conducted a webinar on "Challenges for Budding Entrepreneurs" on 24<sup>th</sup> August 2021 through virtual platform. Mr. Abishek Benjamin, Managing Director, SDR Group of Companies, Thoothukudi was the resource person. 162 both staff and students participated.

Institution's Innovation Council in collaboration with PG and Research Department of English organized a Vlog competition titled "Vlog Your Day: Well Being During Pandemic" was organised on 24<sup>th</sup> August 2021 through Online Paltform. There were ten participants, among them Ms. P. Kaviya, Sri Paramakalyani College, Alwarkuruchi secured the I prize Ms. J. Margaret Merlin and Ms. S. Agnes Jeba of St. Mary's College (Autonomous), Thoothukudi secured the II and III prizes respectively. Cash Prize of Rs 500, Rs 300 and Rs 200 were given to the prize winners.

Institution's Innovation Council and Department of Economics jointly jointly organised a poster making competition on the topic "Women Entrepreneurship" through Zoom platform on 24<sup>th</sup> August, 2021 on the occasion of Women Entrepreneurship day. Mrs. Anila Maily, IIC Ambassador & Associate Professor, Department of Computer Science, St. Mary's College (Autonomous) Thoothukudi graced the occasion as the judge and chief guest for the competition. E-certificates were provided to all the participants and winner certificates were provided to the first three winners. I Prize Ms. D. Sneha, II B. A English Literature of our college, II Prize Ms. Victor Francis, III B. Com, St. Aloysius College, Thrissur, Kerala and III Prize Ms. R. Vijaya Lakshmi, II B.A Economics, Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, Coimbatore.

Institution's Innovation Council and the Department of Chemistry organised a Video Content Creation on the topic "A COVID 19 – A Chemist Perspective" on 25<sup>th</sup> August 2021. Dr. Shibana, Vice President of IIC was the evaluator. Top three winners were awarded with cash prize. I prize was won by Ms. Varsha Antanitta. S, III B.Sc Chemistry, II prize Ms. Ranjitha M, III B.Sc Chemistry and III Prize Ms. Muthukavitha.M, II B.Sc Chemistry, St. Mary's College (Autonomous), Thoothukudi.

Institution's Innovation Council and the Department of Microbiology (SSC), organised an 'e - Poster making competition on 27<sup>th</sup> August 2021. Students presented their e-posters.

Institution's Innovation Council and P.G Research Department of Zoology organised a poster making competition on "Preparation of Herbal Drink" on 27<sup>th</sup> August 2021. Dr. M. Glory, Head and Associate Professor, Department of Botany of St. Mary's College (Autonomous), Thoothukudi evaluated the posters. Ms. Akshaya. K, II M.Sc Food Science and Nutrition, American College, Madurai, Ms. Shanthini. S, II B.Sc Food Science and Nutrition, American College, Madurai and Ms. Ranjitha. M, III B.Sc Chemistry, St. Mary's College (Autonomous), Thoothukudi bagged the I, II and III prizes respectively.

Institution's Innovation Council and Department of Physics (UG & PG) jointly organised a national level online poster making competition on 3<sup>rd</sup> September 2021, on the topic, "Impact of Online Classes on Students". Dr. Sr. Jessie Fernando, Head and Associate Professor of the department of Physics graced the occasion as the judge and rewarded the students for their creative efforts. Ms. Jeyashree S from Karunya Institute of science and technology, Coimbatore. Ms. Rohini from St. Mary's College (Autonomous), Thoothukudi and Ankita Chokravarty from Nagaland University won the I, II & III prizes respectively and were rewarded with cash prizes and certificates.

Institution's Innovation Council and the Department of Commerce (SSC) jointly organised MEME Competition on 8<sup>th</sup> September 2021 in the celebration of WORLD ENTREPRENEURSHIP DAY. Ms. Nayantra Mascarenhas, Assistant Professor, Department of Computer science, St. Mary's college (Autonomous) was the Guest of Honour. Ms. S. Mohana of III.B.Com.A (SSC) won the first place, Ms. J. Selva Jesina Rose of III.B.Com.B(SSC) and Ms. Aisha Banu of III.B.Com.A(SSC) secured II and III place respectively.

Institution's Innovation Council and the PG and Research Department of Mathematics jointly organized a Video Creation Competition on "Impact of Covid-19 affected people in Wave 1 and Wave 2 in Tamilnadu - A Statistical Comparison" on 18<sup>th</sup> September 2021. Ms. J. Jasmine Sheeba Rajathi, Head and Assistant Professor of Department of Visual Communication, Kamaraj College, Thoothukudi served as competition judge. Cash prizes were given to the winners. I prize A. Anitha Absara, II B.Sc Mathematics, II prize: B. Santhana



Mari, I B.Sc Mathematics and III prize: M. Sri Padmavalli, II B.Sc Mathematics respectively. E-Certificates were distributed to all participants.

➤ **2021-2022**

An International webinar on “My Story: Motivational Session by Successful Innovators” was jointly organized by Institution’s Innovation Council and PG and Research Department of Zoology on 31<sup>st</sup> January 2022. Mr. M. Maria Antony, Executive Director of John Group, Maria International Pvt. Limited, Singapore served as the resource person.

The “Video Making Competition on Ideation for Startup on Bioinnovation” for college students was organized by the department in collaboration with Institution’s Innovation Council in Microsoft Teams platform on 15<sup>th</sup> February 2022. 12 students from various colleges participated in this competition and presented their videos in Microsoft Teams platform. Ms. J. Snowlin Vinnarasi, II M.Sc Zoology, Ms. R. Sheela Remy, I B.Sc Zoology and Ms. P. Antony Mera, II B.Sc Chemistry, St. Mary’s College (Autonomous), Thoothukudi bagged the First, Second and Third Prize respectively.

The “Webinar on Ideation and Innovation: A Motivation for Young Innovators” for college students was organised by Institution’s Innovation Council and the through Zoom platform on 16<sup>th</sup> February 2022. Mr. K. Sivakar, Partner, Sivanthi Joe Choirs, Thoothukudi served as the resource person.

The Department conducted a webinar on “Pitching event for PoCs developed and linkage with Innovation Ambassadors for mentorship support” on 16<sup>th</sup> February 2022. Dr. N.C.J. Packia Lekshmi, IIC Ambassador & Assistant Professor, Noorul Islam centre for Higher Education, Kumarakovil was the resource person.

The department of Mathematics in association with Institution’s Innovation Council organized a National Webinar on "Problem Solving and Ideation Creation" on 16<sup>th</sup> February 2022 through online platform. Dr. A. Radhika, Assistant Professor of Psychology, Gargi College, University of Delhi addressed the students on the topic Problem solving and creativity. The total number of participants were 142.

The department of Mathematics in association with Institution’s Innovation Council organised an Innovative Idea Competition in the month of February. Nearly 27 students of Department of Mathematics both regular and SSC presented their innovative ideas in the form

of Poster Making, Video, PPT and any type of art in Google Classroom. Ms. A. Anitha Apsara of II B.Sc. Mathematics, Ms. Maria Joshy Roy of I B.Sc. Mathematics and S.Jenishlin Oida of III B.Sc. Mathematics(SSC) got the first, second and third prizes respectively.

PG and Research Department of Mathematics (SSC) and Institution's Innovation Council organized an Innovative Idea Competition. Students of Mathematics both regular and SSC presented their innovative ideas in the form of Poster Making, Video, PPT and any type of art in Google classroom. 27 students were participated. A. Anitha Apsara, II B.Sc. Mathematics, Maria Joshy Roy, I B.Sc. Mathematics and S.Jenishlin Oida, III B.Sc. Mathematics(SSC) got the first, second and third prizes respectively.

Department of Physics and Institution Innovation Council organized an online poster presentation Competition on the topic "Inventions to Market (Physics)" on 15<sup>th</sup> February 2022 through Zoom platform. The posters were evaluated by Dr. Sr. Jessie Fernando and the winners were Mr. Kandavel, II M. Sc Physics student of K.S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode won the first prize.

The Department of PG Physics in association with Institution Innovation Council organised a field visit to Killikulam Agribusiness Incubation Forum located near Vallanadu for the students on 15<sup>th</sup> February 2022. Four students from I B. Sc Physics, 8 students from I I B. Sc Physics, 6 students from I M.Sc Physics, 5 students from II M. Sc Physics along with two faculty members visited the Centre. Mrs. M. Jeevitha, Chief Executive Officer oriented the students to become young entrepreneurs.

The Department of Economics in collaboration with Institution's Innovation Council organised a national webinar on the topic "A motivational session by successful startup founder - My Story" through online mode on 31st January 2022. Mr. V. Keerthivhasan, Director, Ochera Ventures Private Limited, Coimbatore was the resource person. There were nearly 76 participants.

### ➤ 2022-2023

#### **Institution Innovation Council (IIC)**

The Institutions Innovation Council of our college along with the departments organized the following

- The PG and Research Department of Commerce organized the national webinar on

the topic “Business Model Canvas” on 20<sup>th</sup> August 2022 Mr. Rengaraj Eswar, Head of sales operations, Parvathi Power systems, ParvathiSmart Solutions and Sri Gowri Furniture from Tirunelveli was the resource person. The Resource person clearly defined the Business model with various business activities. Nearly 100 participants ie. Faculty & students from our college and students from St. Aloysious College (Autonomous), Jabalpur, Madhya Pradesh benefitted from this.

- The Department of Economics organised a National Level Webinar on the Topic “Developing Online Repository of start-ups developed/ incubated and way forward plan” on 20<sup>th</sup> August 2022 through online platform. Dr. Leena Jenefa, Associate Professor & Innovation Ambassador, Department of Management Studies, Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Avadi, Chennai was the resource person. The resource person motivated the participants on Start-up business and gave new ideas to emerge as successful entrepreneurs. There were nearly 68 participants in the meeting.
- Department of Physics organised a field trip to K.R Innovation center, Kovilpatti on 26<sup>th</sup> August 2022. For I and II year M.Sc students. Dr. T. Sankar, Assistant Professor, Department of Mechanical Engineering and IRP Coordinator exhibited the ideation lab especially 3D printer (2 types), water dispenser unit etc.
- An international webinar on “Innovations and startup ecosystem enablers” was organised by PG and Research Department of Zoology on 27<sup>th</sup> August 2022 through zoom platform. Ms.V.Thanushree, Business management consultant, Tata Strategic Management Group, Mumbai, was the resource person and she delivered a lecture on entrepreneurial ecosystem with various suitable examples.
- PG and Research Department of Mathematics organised a Workshop on Intellectual Property Rights (IPRs) and IP Management for Start-up on 29<sup>th</sup> August 2022. Dr. Charanjit Kumar Sehgal, Managing Partner, Sehgal IPR Services, Mumbai, Maharashtra was the Resource Person.
- On 29<sup>th</sup> August 2022, PG and Research Department of English organised an online workshop on “Prototype/Process Design and Development” through Zoom platform. Dr. N. B. Prakash, Professor, Department of EEE, National Engineering College, Kovilpatti served as the resource person and delivered a lecture. The speaker explained the concepts of Prototyping and Construction, with examples from various sectors.
- The PG and Research Department of Botany organised a webinar on 29<sup>th</sup> August 2022



on the topic “Intellectual Property Right and IP management for Startup”. Dr. Sakthivel, the resource person gave an insight about the intellectual property rights and it’s usage in business startup.

- Department of English (SSC) jointly conducted a workshop on “Intellectual Property Rights and IP Management for Startup” on 30<sup>th</sup> August, 2022. Dr. Shankar Asst. Prof of Mechanical Engineering, Kovilpatti National Engineering College was the resource person.
- The Library committee organised the national webinar on 30<sup>th</sup> August, 2022 on “Startup company- It's legal Issues and Ethics”,Jc. S. Kowsalya, Provisional Trainer and Start Up Consultant was the resource person. In this webinar the Resource person highlighted the Startup business information in emerging trends and also explained various schemes.
- The Department of Psychology, organized a special session on Self Mentoring on 30<sup>th</sup> August 2022. The resource person of the day was Rev. Fr. Dr. John Suresh, Financial Administrator, TMSSS, Thoothukudi and Assistant Professor of our college. All the UG and PG students of theDepartment of Psychology were the beneficiaries.
- The Department of Chemistry (UG, PG-SSC) organised a webinar on the topic “Entrepreneurship in Marine Products” on 30<sup>th</sup> August 2022. Dr P. Ganesan, Assistant Professor and Head, Department of FishProcessing technology, Fisheries College and Research Institute, Thoothukudi gave an idea about avenues for start-up in fishery products.
- Department of Business Administration organized a workshop on “Developing Online Repository of Business Plan” on 30<sup>th</sup> August 2022 in Madona Block (SSC). Dr. S. Mahaletchumi, Entrepreneur & EDII Trainer was the Resource person. She gave an insight of how to start the business from scratch.
- Department of History organised a National Webinar on “Converting Innovation into Startup” on 1<sup>st</sup> September 2022. Mr. Arun Rawal, Former Vice-President, Reliance Petrochemicals Ltd and the visiting Professor of Management Colleges, Noida was the resource person. He enlightened the students and carved out a real atmosphere of Converting Innovation into Startup. More than 72 students were participated and benefitted.
- The Department of Computer Science (UG & PG) & ICT Academy jointly organised a webinar on “How to Plan for Start-up and Legal & Ethical Steps” on 2nd September

2022 through Zoom platform. Mr. K. Arul, Head, Logistics & Supply Chain, E-Crusaders, Chennai delivered the speech. Nearly, 8 staff members and about 135 students from our college and 5 research scholars from other institutions took part in the webinar.

- The Department of Commerce (SSC) organised “Design Your Digital Poster & Plan Your Innovative Business (*Plan de Negotio*)” Competition on 5<sup>th</sup> September 2022. The Students actively participated and submitted their innovative business ideas through Google Classroom.
- PG Department of Economics organised a webinar on “Exhibitions of Ideas Start-ups” on 9<sup>th</sup> November 2022. The resource person Mr. J. Saravanan, Innovation Ambassador, Manager – Vel Tech TBI, Chennai gave the innovative speech on how to exhibit our new ideas. 7 faculty members and 40 students from both UG and PG Department of Economics participated.
- The Department of English SSC conducted a meeting on “Entrepreneurship and Innovation for Career Opportunities” on 10<sup>th</sup> November 2022 through the zoom platform. Mrs. Rajalakshmi, Entrepreneur, Asuda Herbals and Organics founder addressed the students and the faculty. She discussed the product and manufacturing techniques.
- Department of Microbiology (SSC) organised a one day webinar on 10<sup>th</sup> November 2022 on “My story motivational session by successful entrepreneur through ZOOM Meet. Dr. D. Prabhu, M.Sc. (Agri) Ph.D. Assistant professor (Crop Physiology) – S.Thangapazham Agricultural College, Vasudevanallur and Entrepreneur, JC FOOD Industries – Sivakasi was the resource person. He delivered a talk on entrepreneurship opportunities in the field of microbiology and life science and motivated the students.



**Principal**

**St. Mary's College (Autonomous)  
Thoothukudi-628 001.**