



PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai - Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. - 630 561, Tamilnadu

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MOE's Innovation Cell

Institution's Innovation Council (IIC)

The Institution's Innovation Council (IIC) under the Ministry of Education was inaugurated at **our institution during the academic year 2019-2020**. This initiative aims to cultivate a vibrant culture of innovation and foster a robust startup ecosystem within our college community. The IIC plays a pivotal role in engaging our faculty, students, and staff in a wide array of innovation and entrepreneurship activities. These activities include ideation sessions to brainstorm new ideas, problem-solving workshops to address real-world challenges, developing proof of concept prototypes, implementing design thinking methodologies, managing intellectual property rights (IPR), and overseeing project execution at both the pre-incubation and incubation stages.

Throughout each academic year and quarter, our college diligently organizes and executes these activities as recommended by the IIC guidelines. Our commitment and proactive engagement in fostering innovation and entrepreneurship were recognized with a commendable achievement of **4 stars in the assessment for the year 2020-2021**. Continuing our dedication to excellence in innovation, we maintained a high standard with **3.5 stars in the academic year 2022-2023**.

The Institution's Innovation Council not only serves as a platform for nurturing creativity and entrepreneurial spirit among our stakeholders but also strengthens our

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institution's commitment to contributing innovatively to societal and economic development. Through continuous support and participation in the IIC initiatives, we aim to empower our students and faculty to become leaders in innovation and make significant contributions to the world of entrepreneurship.

Institution's Innovation Council (IIC) Members

IIC Head
Dr.R.Raja M.E., Ph.D
Principal
Pandian Saraswathi Yadav Engineering College

IIC President
Dr.S.Manikandan
Associate Professor
Pandian Saraswathi Yadav Engineering College

IIC Convener
Mr.T.Ponvelmurugan
Assistant Professor
Pandian Saraswathi Yadav Engineering College



Academic Year 2022-2023 IIC Performance

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INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiatives)



IIC 6.0 - MINUTES OF MEETING

DATE: 05.09.2023

TIME: 10.00 – 1.00 PM

VENUE: CFIE, PSYEC

AGENDA: IIC 6.0 REVIEW MEETING

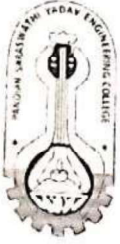
Host By	1.	Er.S.P.Varadharajan, MD,PSY Group of institution
	2.	Dr.R.Raja, Principal, PSYEC
External Member	1.	Mr. kishorelal MRN, Production Engineer, A&T video networks Pvt Ltd.
	2.	Dr.Subramani , Principal, PSY Arts & Science college
Internal Members	1.	Dr.S. Manikandan, General Manager PSY-CFIE
	2.	Mr.T. Ponvel Murugan, Incubation Manager PSY-CFIE
	3.	Dr.palanichamy, Director, PSYEC
	4.	Mr.R.Saravanan, Relationship Manager PSY-CFIE
	5.	Mr.Radha Krishnan, HOD/Mech PSYEC
	6.	Dr.Premalatha, HOD/CSE PSYEC
	7.	Dr.Murugan ASP/Mech
	8.	Dr.Murugan ,Director, PSYEC
	9.	Dr.Rajamuneswaran, ASP/Mech
	10.	Mrs.Pandimeena HOD/EEE
	11.	Mr.G.Grish Gowthem, AP/EEE

The following points are addressed by Er.S.P. Varadharajan

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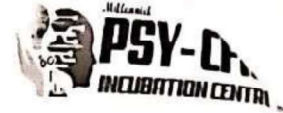


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1. Identification of Student-Implementation Team

1.1. Rationale:

Er. S.P. Varadharajan suggests that it is imperative to identify a dedicated Student-Implementation Team to spearhead various initiatives and projects within the institution. Such a team can bring fresh perspectives, energy, and enthusiasm to drive positive change.

1.2. Selection Process:

- Establish a transparent selection process for forming the Student-Implementation Team.
- Encourage students to express their interest in participating.
- Consider a mix of academic performance, leadership potential, and commitment to the institution when selecting team members.
- Ensure diversity in terms of backgrounds, disciplines, and perspectives to foster creativity and inclusivity.

1.3. Responsibilities of the Student-Implementation Team:

- Collaborate with faculty and staff to identify areas for improvement and innovation within the institution.
- Develop and execute projects and initiatives aimed at enhancing the student experience, academic quality, and campus life.
- Act as a bridge between students and the administration, facilitating effective communication and problem-solving.
- Serve as ambassadors for the institution, promoting its values and achievements.

2. Encouraging Activities toward Voucher Programs

2.1. Introduction to Voucher Programs:

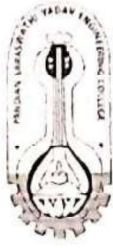
Er. S.P. Varadharajan advocates for the institution's active involvement in voucher programs, which can have several benefits, including cost savings and increased access to education and resources.

2.2. Steps to Promote Voucher Programs:

- Research and identify relevant voucher programs that align with the institution's goals and objectives.
- Establish partnerships with organizations, government agencies, or private entities offering voucher programs.

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- Promote these programs among students, particularly those facing financial constraints, to widen access to education and resources.
- Streamline administrative processes to efficiently manage and distribute vouchers to eligible students.

2.3. Monitoring and Evaluation:

- Implement a system to track the impact of voucher programs on student success, retention, and satisfaction.
- Gather feedback from students and continuously assess the effectiveness of these programs.
- Adjust strategies and partnerships as needed to optimize the benefits of voucher initiatives.

The following suggestions are given by Dr.R.Raja

1. Developing a Workflow from Hackathons

1.1. Introduction to the Concept:

Dr. Raja recommends introducing a structured workflow that builds upon the problem statements generated during hackathons. Hackathons are known for their intensive problem-solving environments, and leveraging the ideas and solutions born in these events can be an excellent way to encourage innovation.

1.2. Implementation Steps:

- Identify relevant problem statements from hackathons that align with the institution's goals and expertise.
- Form cross-functional teams involving students, faculty, and industry experts to work on these problem statements.
- Establish a timeline and allocate resources for the projects.
- Monitor progress, provide mentorship, and ensure that outcomes are practical and potentially marketable.
- Encourage the documentation and dissemination of project results, fostering a culture of knowledge sharing and innovation.

2. Focus on Waste Management and Smart Cities

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2.1. Rationale:

Dr. Raja suggests that the institution should direct efforts towards projects related to waste management and smart cities due to their contemporary relevance and potential for significant impact.

2.2. Waste Management Initiatives:

- Collaborate with local authorities and environmental organizations to develop innovative solutions for waste collection, recycling, and disposal.
- Explore the use of technology, such as IoT and data analytics, to optimize waste management processes.
- Engage students in research and projects related to waste reduction and sustainability.

2.3. Smart Cities Projects:

- Encourage students and faculty to work on smart city initiatives, including urban planning, transportation, energy efficiency, and digital infrastructure.
- Forge partnerships with local government bodies and businesses to implement smart city solutions.
- Promote interdisciplinary collaboration to address the complex challenges of modern urban environments.

3. Establishment of A&T Manufacturing Unit

3.1. Objectives:

Dr. Raja advises the initiation of an A&T manufacturing unit at the PSYEC campus to bridge the gap between academia and industry while fostering innovation and entrepreneurship.

3.2. Key Activities:

- Identify high-potential areas for advanced manufacturing, such as 3D printing, robotics, and automation.
- Secure funding and resources to set up the manufacturing unit, equipped with state-of-the-art technology.
- Facilitate collaborations with local industries to provide students with hands-on experience and research opportunities.

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- Offer specialized training and certification programs in advanced manufacturing techniques.

The following suggestions are given by Dr. Manikandan

1. Cultivating an Entrepreneurial Mindset

1.1. Embrace Failure as a Learning Opportunity:

Dr. Manikandan emphasizes that students should be encouraged to view failures as valuable learning experiences. This mindset shift will help them overcome fear and take calculated risks, a fundamental trait of successful entrepreneurs.

1.2. Foster Creativity and Innovation:

Encourage students to think creatively and develop innovative solutions to real-world problems. Providing opportunities for brainstorming, ideation, and project-based learning can nurture this aspect of entrepreneurship.

1.3. Develop Resilience:

Dr. Manikandan suggests promoting resilience by exposing students to challenging situations. Overcoming obstacles and setbacks will build their capacity to persevere in the face of adversity.

2. Skill Acquisition

2.1. Entrepreneurial Skills Training:

Incorporate entrepreneurship-focused courses and workshops into the curriculum. These should cover essential skills such as business planning, financial management, marketing, and leadership.

2.2. Practical Experience:

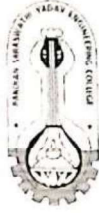
Encourage students to engage in internships, apprenticeships, or entrepreneurial ventures while in school. Hands-on experience is invaluable for applying theoretical knowledge and developing practical skills.

2.3. Networking:

Create opportunities for students to connect with experienced entrepreneurs and industry professionals. Networking can provide mentorship, collaboration opportunities, and access to valuable resources.

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3. Support Mechanisms

3.1. Incubators and Accelerators:

Establish or collaborate with local business incubators and accelerators. These organizations can provide students with guidance, resources, and funding opportunities to launch their entrepreneurial ventures.

3.2. Financial Support:

Offer financial support through grants, scholarships, or seed funding programs for student-led startups. Access to capital is often a significant barrier for young entrepreneurs.

3.3. Entrepreneurship Clubs and Competitions:

Foster a culture of entrepreneurship by organizing clubs and competitions that allow students to showcase their innovative ideas and solutions. These platforms can stimulate creativity and entrepreneurial spirit.

IIC CONVENOR

T. PONVEL MURUGAN

IIC PRESIDENT

Dr. S. Manikandan
CENTRE FOR INNOVATION AND
ENTREPRENEURSHIP (C-FIE)
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Performance Report for the Academic Year 2022-23

Total Score: 71.91/100 Total Reward: 4.40 Final Star: 3.5/5

Activity Summary	Score Earned for Q1-Q4 Activities (I = A*80%)	Score Earned from Participation (II = B*20%)	Total Score Earned (I + II = 100)
Total no of Submitted Activities : 67	Total Score Earned for Q1-Q4 Activities : 83.09	Total Score Earned from Participation : 27.22	71.91
Total IA Verified Report : 3			
No of Approved Activities : 68			
No of Disapproved Activities : 2			
Disapproval % of Activities : 2.86	I. Total Score Earned for Q1-Q4 Activities (I = A*80%) : 66.47	II. Total Score Earned from Participation (II = B*20%) : 5.44	
Reward Point Earned : 4.40179			

IIC performance for the Academic Year 2022-2023

Performance Report for the Academic Year 2021-22

Total Score: 57.21/100 Total Reward: 14.51 Final Star: 3/5

Activity Category	Total No of Submitted Activities	Total No of Approved Activities	*Disapproval % of Activities	Total Score Earned for Q1-Q4 Activities (I = A*80%)	Total Score Earned from Participation (II = B*20%)	Total Score Earned (I + II = 100)
IIC Calendar Activity	17	17	3.57%	56.22	0.99	57.21
MIC driven Activity	3	3				
Self-driven Activity	6	5				
Celebration Activity	2	2				
Total	28	27				

*Proportionate Reduction in the Reward Points Based on Disapproval % ** No Reward Points upon Crossing the total no of Disapproval Activities Percentage of 30% or More.

IIC performance for the Academic Year 2021-2022

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IIC ID **Pandiyar Saraswathi Yadav Engineering College (C-26775)** **Star Ratings (AY 2022-23)**

Performance Report
Cumulative Performance Report for the IIC Calendar Year 2020-21
 Bifurcation of Score and Reward Points

Score: 85 **Reward: 16.6667** **Rating: 3.5/4** **Fifth Star Rating: 0.5/1** **Final Star: 4/5**

Activity Type	Activity Submitted	Total Number of Activities Approved	Total Threshold Number of Activities	Score (for minimum prescribed activities)	Adjusted Cumulative Reward Points For Additional Activities Beyond the Threshold Numbers for Each Category (Reflection in multiple of 100 with activity score)
IIC Calendar Activity Score for 1 activity=5.55 Minimum 9 activities	12	12	9	50 (Max Score=50)	16.67
MIC driven Activity Score for 1 activity=2.5 Minimum 8 activities	6	6	8	15 (Max Score=20)	0
Self-driven Activity Score for 1 activity 3.33 Minimum 9 activities	11	6	9	20 (Max Score=30)	0
Total	29	24	26	85 100	16.6667

IIC performance for the Academic Year 2020-2021

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IIC ID **Pandiyar Saraswathi Yadav Engineering College (C-26775)** **Star Ratings (AY 2022-23)**

Performance Report
Cumulative Performance Report for the Quarter 1, Quarter 2, Quarter 3 & Quarter 4 for the academic year 2019-20
 Bifurcation of Score and Reward Points

Score:88.33 **Reward:41.67** **Rating:4**

Activity Type	Total Number of Activities Approved	Total Threshold Number of Activities	Score (for minimum prescribed activities)	Adjusted Cumulative Reward Points For Additional Activities Beyond the Threshold Numbers for Each Category (Reflection in multiple of 100 with activity score)
IIC Calendar Activity (Score for 1 activity=4.16) Minimum 12 activities	80	12	50 (Max Score=50)	41.6667
MIC driven Activity (Score for 1 activity=0.833) Minimum 24 activities	16	24	13.3333 (Max Score=20)	0
Self-driven Activity (Score for 1 activity=2.5) Minimum 12 activities	36	12	25 (Max Score=30)	0

IIC performance for the Academic Year 2019-2020

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