Proposal for Establishing A Design Thinking Cell

Vision:

DT-Hub envisions a dynamic and inclusive learning environment, where every student and faculty member is equipped with a Design Thinking mindset. We aspire to cultivate a community of innovators, who fearlessly embrace challenges, pioneer creative solutions, and contribute positively to the ever-evolving global landscape.

Mission:

- To instill Design Thinking principles institute-wide, from freshmen to faculty, fostering a culture of innovation and entrepreneurship.
- Organizing tailored workshops, entrepreneurship sessions, and mentorship programs
- To empower individuals to apply design thinking beyond the classroom, enriching their academic journey to preparing them for impactful roles in a rapidly changing world.
- To involve public participation in Community based innovations for community benefits. emphasize the value of bringing people together to develop and generate new ideas in innovation processes

Introduction:

We propose the creation of DT-Hub for "impact continuum", a Design Thinking Cell at our esteemed college aiming to foster creativity, innovation, and problem-solving skills among students. In response to the prevailing focus on traditional courses and theoretical learning, we believe that imparting a Design Thinking (DT) mindset through DT-Hub can impart hands-on experiences, which are practical, innovative, and entrepreneurial pursuits.

Objectives:

DT-Hub aims to:

- Shift the emphasis from purely theoretical courses to practical, hands-on learning through design thinking principles.
- Act as a catalyst for creating out of box thinking by cultivating an innovative mindset among students.
- Lay a foundation for entrepreneurial culture in the ecosystem by encouraging creative problem-solving and solution-oriented thinking.

Activities:

DT-Hub will organize:

- Design thinking workshops tailored to bridge the gap between theoretical knowledge and practical application.

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- Entrepreneurship-focused sessions highlighting how design thinking can be a framework (cornerstone) for startups.
- Mentorship programs connecting aspiring entrepreneurs with experienced professionals.

Structure of DT-Hub:
DT Hub will have coordinators, and student members responsible for workshops, entrepreneurship sessions, and mentorship programs. Regular meetings will ensure effective communication and coordination.

Membership:
Open to all students, membership in DT-Hub requires a keen interest in design thinking and innovation. Regular participation in activities will be encouraged.

Resources:
We seek support for:
- Dedicated maker space for workshops and meetings.
- Basic prototyping materials.
- Funding for promotional materials.
- Guest speaker honorariums, if applicable.

Timeline:
Phase 1: Formation and Implementation (Months 1-12)
- Establish DT-Hub, including the selection of key leadership roles.
- Develop the organizational structure and communication channels.
- Identify and reach out the potential members both students and faculty.
- Plan and organize design thinking workshops with a focus on practical applications.
- Collaborate with faculty members and external experts for workshop facilitation.
- Gather feedback and assess the impact of the workshops on participants.
- Introduce entrepreneurship-oriented sessions, exploring the intersection of design thinking and to nurture startup culture.
- Develop mentorship programs connecting aspiring entrepreneurs with experienced professionals.
- Forge partnerships with local businesses, industry experts, and alumni to enhance the entrepreneurial learning experience.

Phase 2: Expansion to High School and Intermediate College Students
- Collaborate with Navodaya Schools and Govt schools to initiate design thinking workshops for high school and intermediate college students.
- Tailoring workshops to challenge traditional schooling norms and encourage creative thinking.

- Explore partnerships with other high schools and intermediate colleges for broader outreach.
- Evaluate the impact of the workshops on students' perspectives and consider further expansion.

This phased approach ensures a structured implementation, encompassing both the college community and high school/intermediate college students, fostering a culture of innovation and design thinking across various educational levels.

Support:

We are fortunate to have received endorsements and involvement from key stakeholders, including:

- One announced **Faculty Innovation Fellow** who has expressed enthusiasm for DT-Hub's mission.
- One on-board Faculty Innovation Fellow actively engaged in shaping the vision and activities of DT-Hub.
- Collaboration with University Innovation Fellows and Internal Quality Assurance Cell (IQAC) leveraging their expertise and network to enhance the impact and reach of DT-Hub.

We believe these partnerships will contribute significantly to the success and sustainability of DT-Hub, fostering a collaborative environment that aligns with our mission to cultivate innovation and entrepreneurship across all levels of our academic community.

Evaluation:

Regular feedback and assessments will scale the impact of DT-Hub on students' skills and overall engagement. Continuous improvement strategies will be implemented based on evaluations.

Budget:

A modest budget is requested to cover:

- Workshop materials
- Promotional materials
- Guest speaker remunerations, if applicable

Conclusion:

The establishment of DT-Hub promises to enrich academic experiences and serve as a springboard for innovation and entrepreneurship. By infusing practical learning into our educational framework, we aspire to shape students into forward-thinking individuals ready to tackle real-world challenges and embark on entrepreneurial journeys. We look forward to implementing this transformative program for our college community's benefit.

Permitted to establish

Principal
Madanapalle Institute of
Technology & Science
MADANAPALLE.

21ˢᵗ December, 2023.

Structure of the Design Thinking Studio

MITS Design Thinking Studio has been established at Madanapalle Institute of Technology & Science **(MITS-DTS),** on 21ˢᵗ December with a vision of fostering innovative mind-set to among the students to transit from traditional education practices and adapt the requirements and needs of present generation and the technologies. The studio envisions a dynamic and inclusive learning environment, where every student and the faculty member join hands to contribute innovations for the community development. The studio is set to foster creativity, innovation and problem solving skills among the students to reach out for the community development.

Therefore, the following committee has been formed basing on their expertise in the domain of design thinking, innovation and entrepreneurship. The following members are expected to extend their guidance, support and strive hard to achieve the set goals.

S.No.	Name of the Faculty	Designation	Responsibility	Signature
1	Dr. C. Yuvaraj	Principal	President	
2	Mr. Arjun Chakravarthi P	Assistant Professor/ECE	Coordinator Faculty Innovation Candidate-2023	
3	Mrs. U. Vijaya Lakshmi	Assistant Professor/EFL	UIF Coordinator	
4	Dr. D. Pradeep Kumar	Professor/MBA	Advisor	
5	Dr. K. Sathesh	Associate Professor/ ECE	IQAC Coordinator	
6	Dr. K. Arul Kumar	Associate Professor/ EEE	NISP Coordinator	
7	Mr. S. Gopala Krishnan	Assistant Professor/CSE-DS	IIC Coordinator	

PRINCIPAL

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