

RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

(Accredited with 'A' Grade by NAAC)

(Sponsored by Sri Balaji Educational and Charitable Public Trust)

Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

1 July 2019,
Puducherry

From

Mr. D. Murugan,
Event Coördinator,
Department of BME,
Rajiv Gandhi College of Engineering and Technology,
Kirumampakkam,
Puducherry - 607 403.

To

The Principal,
Rajiv Gandhi College of Engineering and Technology,
Kirumampakkam,
Puducherry - 607 403.

THROUGH THE HEAD OF THE DEPARTMENT, DEPARTMENT OF BME

Respected Sir,

Sub: - Regarding a permission to conduct a one day workshop for the students of BME.

The Institution's Innovation Council (IIC) and Department of Biomedical Engineering has decided to conduct workshop to be held on 10/07/2019, on the topic " Design Thinking: Ideation to Innovation " offered to the IV Year students of the BME Department, being in-charge of the workshop, I kindly request you to grant permission to conduct this program.

The Workshop details are enclosed.

Thanking you,

Forwarded to the Principal

Ch. h. h.

Dr. E. VIJAYAKRISHNA RAPAKA

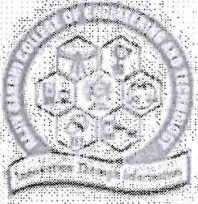
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M.I.S.T.E., F.I.I.P.E., M.C.S.I.M.C.I.I.,

PRINCIPAL

Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
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Yours sincerely,

[Signature]
[Mr.D Murugan]
Event Coordinator



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DEPARTMENT OF BIOMEDICAL ENGINEERING

ACADEMIC YEAR 2018-2019

No: RGCET/BME/Circular/2018-2019/IPR 01

Date:05.07.2019

CIRCULAR

I am excited to inform you that as part of Intellectual Property Rights Activity, We have arranged a seminar on the topic "Design Thinking: Ideation to Innovation" going to be conducted on 10/07/2019. The aforementioned seminar will be offered to IV Year students of the BME Department.

All are invited

G. N. h.

HOD/BME

Head of the Department
Department of Biomedical Engineering
Rajiv Gandhi College of Engineering & Technology
Kirumampakkam, Puducherry - 607 403.

COPY TO:

1. The Principal
2. Circulate to all Faculty Members and BME students
3. Notice Board/ File

[Signature]
Dr. E. VIJAYAKRISHNA RAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I.M.C.I.I.,
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RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

PUDUCHERRY

DEPARTMENT OF BIOMEDICAL ENGINEERING

ORGANIZES

WORKSHOP

ON

DESIGN THINKING: IDEATION TO INNOVATION

10 JULY 2019

VENUE : RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY, PUDUCHERRY

Chief guest

Mr. PRASAD @ SURENDER,

Associate Professor, BIHER, Chennai.

WE WELCOME

Dr. VIJAYAKRISHNA RAPAKA , Principal, RGCET

Dr. K AYYAPPAN, Convenor, RGCET

Dr. D GOWRI SHANKAR, HOD, BME

SPEAKERS:

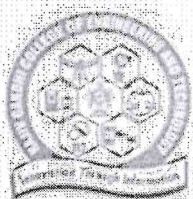
Ms. M MAHESHWARI

Mr. SABARINATHAN.L

Mr. VIJAYAGANAPATHY.M


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Workshop Report on "Design Thinking: Ideation to Innovation"

Date: 10/07/2019

Venue: Rajiv Gandhi College of Engineering and Technology (RG CET)

Organized by: The Institution's Innovation Council (IIC) and Department of Biomedical Engineering, Rajiv Gandhi College of Engineering and Technology (RG CET)

Guest Speaker: Mr. Prasad@Surender, Assistant Professor (selection grade), Bharath University, Chennai.

Target Group: RG CET Students

Course Name	"Workshop on "Design Thinking: Ideation to Innovation"
Course Code	BME19IPR01
Resource Person (s)	Mr. Prasad @ Surender
Date	10/07/2019
Course Offered to	Dept.: BME Year: IV Sem: VII

1. Introduction

Rajiv Gandhi College of Engineering and Technology's Institution's Innovation Council conducted an interactive workshop on "Design Thinking: Ideation to Innovation" for budding engineers. This workshop has tried to introduce design thinking and walk through the process of ideation, i.e., making creative ideas live by making them into innovative solutions.

2. Objectives

Some of the important objectives of this workshop include:

- Introduce the concept and methodology of design thinking to participants.
- Develop creative thinking and problem-solving skills in engineering students.
- Hands-on experience in using design thinking techniques for real-life challenges
- Encourage collaborative innovation and teamwork.

3. Workshop Details

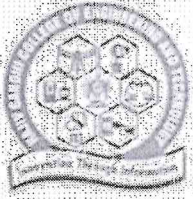
a. Inaugural Session:

The program commenced with an inaugural address by Dr. Vijayakrishna Rapaka, Principal of RG CET. Mr. Prasad@Surender elaborated on the need for Design Thinking in Engineering and Innovation and further motivated the students to actively participate in applying the learnt concepts.

b. Keynote Address:

The keynote address was delivered by Dr. Sabarinathan, a renowned design thinking consultant and academician. Mr. Prasad@Surender presented an overview of design thinking with respect to its human-centered approach and iterative process. He has also shared examples of successful innovations driven through design thinking.

Dr. E. VIJAYAKRISHNA RAPAKA
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c. Technical Sessions:

Session 1: Introduction to Design Thinking

Speaker: Mr. Sabarinathan, Design Thinking Expert

Topics Covered:

- Principles and phases of design thinking (Empathize, Define, Ideate, Prototype, Test)
- Need for Empathy to understand user needs
- Design Thinking in Innovation

Session 2: Ideation Techniques

Speaker: Mr. VijayaGanapathy, Innovation Strategist

Topics Covered:

- Brain Storming and Mind Mapping techniques
- Generation and Evaluation of Creative ideas
- Tools for Collaborative idea generation

Session 3: Prototyping and Testing

Speaker: Ms. M Maheshwari, Product Designer

Topics Covered:

- Rapid prototyping techniques
- Need for iterative testing and feedback
- Case studies of Prototype development

d. Hands-on Workshop:

Mr. Prasad@Surender facilitated the hands-on workshop that allowed students to get a feel for design thinking in action. Participants were divided into teams and given a real world problem to solve using design thinking methodologies.

Activities included the following:

- Empathy mapping: Knowing the user's needs, pain points, and desires
- Clearly define the problem statement based on the insight to be gathered from the user.
- Ideation session: A large generation of ideas and then picking the most promising ones.
- Prototyping: Development of Low-fidelity prototype that can give a glimpse of visualization for the concerned solutions.
- Testing and Feedback: Presenting prototypes in front of peers and facilitators to get feedback for solution refining.

e. Presentation and Discussion

Each of the teams presented the final prototype and the solution, followed by the discussion session. The facilitators and peers pointed out some useful constructive feedbacks on strengths and weaknesses. This type of collaborative environment, where sharing knowledge and learning from peers becomes easy.

Class coordinator

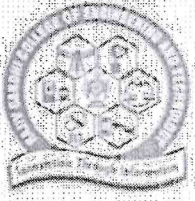
Course Coordinator

HOD

DR. E. VIJAYAKRISHNA RAJARAN
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DEPARTMENT OF BIOMEDICAL ENGINEERING

STUDENTS ENROLLED

STUDENTS NAME LIST: IV YEAR

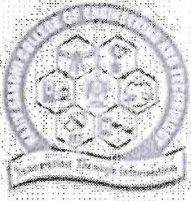
S.NO	REG.NO.	STUDENT NAME
1	15TB0401	ADARSH C.MANOHRAN
2	15TC0535	PADMANATHAN
3	15TD0472	SHALIMA BEGUM
4	15TE0413	KOGULA KIRUSHNAN M
5	15TJ0401	ADWAITH SATHEESAN
6	15TJ0402	AJAIBASU J
7	15TJ0403	AKSHAY MOHANDAS
8	15TJ0405	AKSHAYA C
9	15TJ0406	ALEXRAJ H
10	15TJ0407	ARCHANA A
11	15TJ0408	ARTHI V
12	15TJ0409	ARUN A
13	15TJ0410	ARUN KUMAR B
14	15TJ0411	ARUNKUMAR A
15	15TJ0412	ARUNKUMAR I
16	15TJ0413	ASIFFARHAN S
17	15TJ0414	ASWINI P
18	15TJ0415	ATHICAVY S
19	15TJ0416	BALAKUMARAN S
20	15TJ0417	BLINDA PRIYADHARSHINI D
21	15TJ0418	CHITRA S
22	15TJ0419	GAYATHRI D
23	15TJ0420	GEETHAPRIYA G
24	15TJ0421	GNANASEKAR S
25	15TJ0422	GOPI G
26	15TJ0423	ILAMATHY G
27	15TJ0424	JANANI M
28	15TJ0425	JAYASUBITHA J
29	15TJ0426	JOY SHARON J
30	15TJ0427	KALAIVANY K
31	15TJ0428	KARISHMA DAS
32	15TJ0429	KARPAGAVALLI R
33	15TJ0430	KAVIYAA R
34	15TJ0432	KRISHNAKUMAR D
35	15TJ0433	KRISHNAN C
36	15TJ0434	LAKSHMI PRIYA K
37	15TJ0435	LOKITHA C
38	15TJ0436	MADHAN BABU V
39	15TJ0437	MOHAMMED ASIF K
40	15TJ0438	MOHAMMED SHAFI
41	15TJ0439	MOHAMMED SHAMIL HASSAN
42	15TJ0440	MUGILAN P
43	15TJ0441	MURALIKRISHNA B
44	15TJ0442	NANDHINI S
45	15TJ0443	NARMATHA S
46	15TJ0444	NEEVETHA CANDY KALERY F

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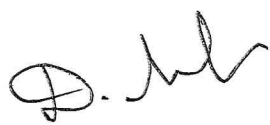
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47	15TJ0445	NIVEDHA A
48	15TJ0446	PAVITHRA N
49	15TJ0447	PONNILAVAN J
50	15TJ0448	PRABAVATHI R
51	15TJ0449	PRADHINILA A
52	15TJ0450	PREETHEKA M
53	15TJ0451	PRIYADHARSHINI S
54	15TJ0452	PRIYANGA RAJ M
55	15TJ0453	RAHIMA R
56	15TJ0454	RAJASEKAR B
57	15TJ0455	RAJENDRA PRASANTH M
58	15TJ0456	RAMYA K
59	15TJ0457	RAMYA T
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61	15TJ0459	RANJEETH R
62	15TJ0460	RAVISANKAR S
63	15TJ0461	REVATHY V
64	15TJ0462	SANTHOSH RU
65	15TJ0463	SENTHAMIZHSELVI S
66	15TJ0464	SHAIK SALMAN RA
67	15TJ0465	SHAYENA BEGUM K
68	15TJ0466	SHERILYN NICI R
69	15TJ0467	SILAMBARASAN S
70	15TJ0468	SIVASANKARI B
71	15TJ0469	SOORYA G
72	15TJ0470	SOUNDARIYA K
73	15TJ0471	SUHAIL SM
74	15TJ0472	SURENKUMAR E
75	15TJ0473	SURESHKUMAR S
76	15TJ0474	SURYA @ KRUTHIGA R
77	15TJ0475	THENDRAL M
78	15TJ0476	VIKNEESH S
79	15TJ0477	VISHNUVARADHAN V
80	15TJ0478	YAZHINI D
81	15TJ0479	YUVARAJ S
82	15TJ0480	YUVASREE S
83	15TJL001	VAMSHI PRIYA D

LIST OF ABSENTEES

S.NO	REG.NO.	NAME
1	15TJ0401	ADWAITH SATHEESAN
2	15TJ0436	MADHAN BABU V
3	15TJ0458	RANGAMANI S


Class coordinator.


Course Coordinator


HOD

Dr. E. VIJAYAKRISHNA RAPAKA

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RAJIV GANDHI COLLEGE OF ENGINEERING AND
TECHNOLOGY, PUDUCHERRY

1PR01 / ACADEMIC YEAR 2018-19

Feedback form

Register number:

Name:

Feedback Questionnaire: " Design Thinking: Ideation to Innovation "

Overall Satisfaction :

1. Please indicate how satisfied you were with the seminar.

- A. Very satisfied
- B. Satisfied
- C. Neutral
- D. Dissatisfied
- E. Very dissatisfied
- F. Content Relevance

2. Did the seminar content meet your expectations?

- A. Yes, it exceeded my expectations
- B. Yes, it met my expectations
- C. Somewhat
- D. No, it fell short of my expectations
- E. No, not at all
- c) F. Effectiveness of Instruction

3. To what extent were the instructors effective in delivering the material?

- A. Extremely effective
- B. Very effective
- C. Moderately effective
- D. Slightly effective
- E. Not effective at all
- F. Hands-On Activities

4. Did the seminar help you in gaining a better understanding and enhance your understanding of

- A. Very useful
- B. Quite useful
- C. Somewhat useful

- D. Not very useful
- E. Not useful at all
- F. Materials and Resources

5. Were the training materials and resources adequate?

- A. Yes, more than adequate
- B. Yes, adequate
- C. Somewhat adequate
- D. No, not very adequate
- E. No, inadequate
- F. Facilities and Equipment

6. How would you rate the facilities and equipment for the seminar?

- A. Excellent
- B. Good
- C. Fair
- D. Poor
- E. Very poor

7. Likelihood of Recommendation

How likely would you be to recommend this seminar to your peers?

- A. Very likely
- B. Likely
- C. Neutral
- D. Unlikely
- E. Very unlikely

Signature of the student


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RAJIV GANDHI COLLEGE OF ENGINEERING AND
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1PR01 / ACADEMIC YEAR 2018-19

Feedback form

Register number: 15TJ0424

Name: Janani M

Feedback Questionnaire: " Design Thinking: Ideation to Innovation "

Overall Satisfaction :

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Janani M
Signature of the student

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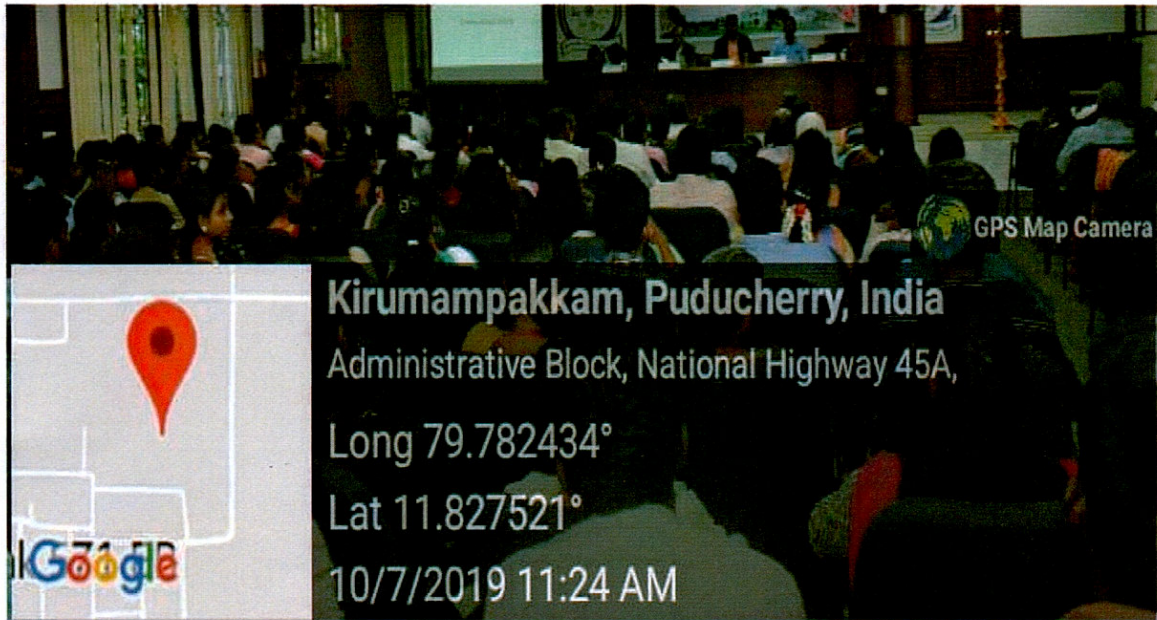
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DEPARTMENT OF BIOMEDICAL ENGINEERING

Workshop on

DESIGN THINKING: IDEATION TO INNOVATION



any
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