



MOHAMED SATHAK A J COLLEGE OF ENGINEERING

34, Rajiv Gandhi Salai (OMR), Siruseri IT Park, Chennai - 603103

Department of Electrical and Electronics Engineering



REPORT ON EVENTS

Biomedical Technologies & Product Development Cycle Challenges and Opportunities

| | | |
|--------------------------------------|--|---|
| Department: | Electrical and Electronics Engineering | |
| Type of Event: | WEBINAR | |
| Event Title: | Biomedical Technologies & Product Development Cycle Challenges and Opportunities | |
| Date & Time: | 13.06.2020 & 10.30 am - 12.00 pm | |
| Venue / Mode (Platform): | Online mode (Youtube Live) : 3000+ Views | |
| Organizer: | Dr. I. Manju, HOD/EEE | |
| Coordinator(s): | Mr. K. Vairaperumal, AP/EEE | |
| Details of Participants: | External participants from various institution like Academicians, Researchers, Industry & Students and faculty members of MSAJCE | |
| Profile of the Chief Guest(s) | (13.06.2020) | |
| | Name of the Guest Speaker | Mr. K. Mohanavelu |
| | Organization | DRDO, Bangalore |
| | Designation | Joint Director, Scientist F, Head - Biomedical DEBEL, |
| Write-up on Event | <p>The webinar started with 1000 participants in you tube live from different domain on 13/06/2020 at 10.30 AM with welcome address and introduction of chief guest by Dr. I. Manju , HoD/EEE – MSAJCE.</p> <p>On 13/06/2020 (Saturday) session was handled by the guest speaker Mr. K. Mohanavelu, Joint Director, Scientist F, Head - Biomedical DEBEL, DRDO, Bangalore</p> <p>The speaker elaborated in detail about,</p> <p>Personalised health care in general and personalised medical products in particular aim to provide the optimal diagnosis and treatment with the use of the right medicine, tools and devices to the right patient at the right time in order to meet well technical and clinical requirements as well as individual characteristics of each patient.</p> <p>It offers the increased effectiveness and better patient safety, and finally to obtain the best diagnosis and treatment quality. In this paper, the area of personalised</p> | |

medical product design and development is emphasised with the focus on design and manufacturing of implants, surgical tools, medical devices, orthotics and prostheses. State of the art technologies, methods and resources for developing personalised medical products are presented in which challenges and opportunities are addressed and discussed.

In the discussion time with the participants, she answered all the questions patiently up to the participants satisfaction and she meticulously elaborated in detail for the participant's questions. Finally Mrs. S. Radhika , AP/EEE – MSAJCE. Proposed the vote of thanks to the chief guest, guest of honour, participants and organizers.

Total number of participants registered for this webinar : 2490 Participants

- Professor – 60 (2.4%)
- Associate Professor – 111 (4.5%)
- Assistant Professor – 658 (26.4%)
- Research Scholar – 108 (4.3%)
- Student – 1465 (58.8%)
- Industry Person – 16 (0.6%)
- Others – 72 (2.9%)

Participants Registered State Responses :

1. Tamil Nadu – 1971 (79.2%)
2. Andra Pradesh – 120 (4.8%)
3. Bihar – 8 (0.3%)
4. Chandigarh – 5 (0.2%)
5. Chhattisgarh – 21 (0.8%)
6. Delhi – 4 (0.2%)
7. Gujarat – 10 (0.4%)
8. Haryana – 7 (0.3%)
9. Jammu and Kashmir – 6 (0.2%)
10. Jharkhand – 2 (0.1%)
11. Telangana – 46 (1.8%)
12. Madhya Pradesh – 9 (0.4%)
13. Maharashtra – 69 (2.8%)
14. Odisha – 5 (0.2%)
15. Punjab – 15 (0.6%)
16. Rajasthan – 10 (0.4%)
17. Uttar Pradesh – 48 (1.9%)
18. West Bengal – 10 (0.4%)
19. Karnataka – 60 (2.4%)
20. Kerala – 18 (0.7%)
21. Pondicherry – 35 (1.4%)
22. Other Country – 10 (0.4%)

Feedback Responses : 624 Responses :

How satisfied were you with the session content? (97.2%)

| | | | |
|-------------------------|-----|---|-------|
| Excellent (5 Points) | 458 | - | 73.4% |
| Satisfactory (4 Points) | 146 | - | 23.4% |
| Good (3 Points) | 20 | - | 3.2% |
| Poor (2 Points) | 0 | - | 0.0% |

Do you think the event met its goals? (96.1%)

| | | | |
|-------------------------|-----|---|-------|
| Excellent (5 Points) | 421 | - | 67.5% |
| Satisfactory (4 Points) | 179 | - | 28.7% |
| Good (3 Points) | 23 | - | 3.7% |
| Poor (2 Points) | 0 | - | 0.0% |

Overall, how would you rate the event? (98.1%)

| | | | |
|-------------------------|-----|---|-------|
| Excellent (5 Points) | 443 | - | 70.9% |
| Satisfactory (4 Points) | 169 | - | 27.1% |
| Good (3 Points) | 12 | - | 1.9% |
| Poor (2 Points) | 0 | - | 0.0% |

How would you rate the organization of this event? (96.2%)

| | | | |
|-------------------------|-----|---|-------|
| Excellent (5 Points) | 429 | - | 68.7% |
| Satisfactory (4 Points) | 169 | - | 27.1% |
| Good (3 Points) | 22 | - | 3.5% |
| Poor (2 Points) | 3 | - | 0.30% |

Photographs



Presentation by Mr. K. Mohanavelu



Presentation Slide

MOHAMED SATHAK A J COLLEGE OF ENGINEERING
34, Rajiv Gandhi Salai (OMR), Siruseri IT Park, Chennai - 603103

Department of Electrical and Electronics Engineering
Presents

Webinar

Biomedical Technologies & Product Development Cycle Challenges and Opportunities

Mr. K. MOHANAVELU
Joint Director, Scientist F
Head - Biomedical DEBEL, DRDO, MoD, Bangalore

13th June 2020 | 10.30 AM to 12:00 Noon

Registration Link : <https://forms.gle/mvMyX9gtkXvwAboT6>

E-Certificate will be issued for all active participants

Convener: Dr I. Manju Co ordinator: Mr. K.Vairaperumal +91-8122363907

+91-9940004500 / 044 - 27470024 msajce.office@gmail.com www.msajce-edu.in

Event Brochure

MOHAMED SATHAK A J COLLEGE OF ENGINEERING
34, Rajiv Gandhi Salai (OMR), Siruseri IT Park, Chennai - 603103

Department of Electrical and Electronics Engineering

YouTube Live WEBINAR

Biomedical Technologies & Product Development Cycle Challenges and Opportunities

State Responses

| | | | |
|-------------------|----|---------------|----|
| Andhra Pradesh | 3% | Bihar | 2% |
| Chattisgarh | 1% | Odisha | 1% |
| Chhatisgarh | 1% | Other Country | 1% |
| Delhi | 1% | Punjab | 2% |
| Gujarat | 1% | Rajasthan | 1% |
| Jammu and Kashmir | 1% | Tamil Nadu | 7% |
| Haryana | 1% | Telangana | 3% |
| Karnataka | 2% | Uttar Pradesh | 2% |
| Kerala | 1% | West Bengal | 1% |
| Madhya Pradesh | 1% | | |

Feedback Samples

- Thanks for conducting such a wonderful program.
- Fetched more information regarding the technological and innovation side. Really had a good time for professional view on sensors and some other medical techniques.
- Good and brainstrom event which gives the knowledge of biomedical engineering and platform.
- Very fantastic and informative speech done by DRDO biomedical specialist. Nice program. I expect to participate this kind of program in future also. All the best for all your endeavour. MSACE EEE ROCKZ ALWAYS.

How would you rate the organization of this Event? 96.2%

Convener : Dr. I. Manju
Co-Ordinator: Mr. K. Vairaperumal

Responses

- How satisfied were you with the session Content? 97.2%
- Do you think the event met its Goals? 96.1%
- Overall, how would you rate the Event? 98.1%

3K+ VIEWS

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Analysis Report

Feedback from the participants

- Mr.N.Ahamed Hussain Asif**
Assistant Professor & EEE Mohamed Sathak Engineering College, Kilakarai
- Feedback Given:** Very fantastic and informative speech fone by DRDO biomedical specialist.Nice program.I expect to paticipatein this kind of program in future also. All the best for all your endeavour. MSAJCE EEE ROCKZ ALWAYS.
- BOOPATHI R**
Research Scholar, Annamalai University
- Feedback Given:** Very Nice Webinar Sessions, Over All Sessions are very helpful, Useful & informative sessions. It's very useful to all researchers and faculties.
- Lavleen Kaur**
Assistant Professor, Electrical Engineering Department J.K. Institute of Engineering, Bilaspur, C.G
- Feedback Given:** Please conduct such wonderful sessions in the future and do inform us to avail the benefits of the knowledge shared by such intellects.
- Ms.E.Priyadarshini**
IV year- BME , SMK Fomra Institute of technology, Chennai
- Feedback Given:** This session gives the more information about the medical technology and product in current days. It will help the research students to gain knowledge.
- Ms.J Malarvizhi**
III rd year ECE, Jai shriram engineering college, Tirupur.
- Feedback Given:** Good and brainstorm event which gives the knowledge of biomedical engineering and platform.