




## DEPARTMENT OF BIOMEDICAL ENGINEERING

### Session Report

<b>Session Title</b>	Seminar on Data Analytics for final year and 3 <sup>rd</sup> year students		
<b>Date &amp; Time</b>	04/12/2023	FN	11:30AM to 1.00PM
<b>Name of the Resource Person</b>	<b>Mr. Deepak Karol</b> Co-founder & COO, Skillo Villa, Bangalore		
<b>Key Points Delivered</b>	<ol style="list-style-type: none"><li>1. Industry trend-Job market &amp; Packages for graduates</li><li>2. Masters in abroad</li><li>3. Popular courses for Biomedical Engineering students</li></ol>		
<b>Number of Students Present</b>	28		
<b>Snap shot of the event</b>			

The session was dealing with the industry trend in the job market. The package of graduates and necessity of masters were the key points dealt in the session. The popular courses for biomedical engineering students were discussed in the session.



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## DEPARTMENT OF BIOMEDICAL ENGINEERING

### Session Report

<b>Session Title</b>	<b>Biomedical Engineers Day</b>	
<b>Date &amp; Time</b>	06/12/2023	8:30AM to 4.00PM
<b>Name of the Resource Person</b>	<b>Mr. Senthil Kumar.S</b> Senior Director, Site leader- CT, GE Healthcare, Bangalore	
<b>Activities conducted</b>	Conducted Activities 1. BMI Health Check up 2. Fast track 3. Quiz	
<b>Number of Students Present</b>	103	
<b>Snap shot of the event</b>		
		



Department of Biomedical Engineering organized Biomedical Engineering day on 6th December 2023. The chief guest Mr. Senthil Kumar.S , Senior Director, Site leader- CT, GE Healthcare, Bangalore briefed out GE Healthcare in India, Revolution Aspire design and manufacturing in India, Key themes and challenges in Healthcare market, how to become industry ready aspirant. In the afternoon session various technical events were conducted and the certificates were issued to the winners. Also there were BMI, Vital parameter measurements stalls. All the students teaching and non teaching staff members got benefited.




### **Details of the Resource Person**



- Senthil Kumar is Sr. Director and Engineering Site Leader for CT in GE Healthcare India.
- He leads the engineering teams that deliver new products advancing the state of the art in computed tomography imaging, targeting reach of technology to masses.
- Senthil has over 23 years of industry experience including 12 years in Healthcare Imaging
- Over the years he has lead teams that deliver medical imaging solutions in Image guided therapy and computed tomography.
- Revolution Aspire Value CT Scanner, Zenition Mobile C-arm and Azurion cathlab are some of the key products that he and his team, was part of engineering development.
- He holds an electronics and instrumentation degree with distinction from Annamalai University.



## DEPARTMENT OF BIOMEDICAL ENGINEERING

<b>Session Title</b>	Alumni talk on Role of Biomedical Engineers in Hospital Management		
<b>Date &amp; Time</b>	30/12/2023	FN	11:30AM to 1.00PM
<b>Name of the Resource Person</b>	<b>Ms. K Divyadharsani</b> Biomedical Engineer Rajarajeswari Medical College & Hospital Alumni of BME batch 2023		
<b>Key Points Delivered</b>	<ol style="list-style-type: none"> <li>1. Handling of medical devices in hospitals</li> <li>2. Career opportunities of biomedical engineering</li> <li>3. Difference between biomedical engineering role in hospital</li> <li>4. Project idea in biomedical field</li> <li>5. Regulatory affairs for medical device and importance of course</li> </ol>		
<b>Number of Students Present</b>	50		
<b>Snap shot of the event</b>			
			

The session was dealing with the Handling of medical devices in hospitals , Career opportunities of biomedical engineering ,Difference between biomedical

engineering role in hospital , Project idea in biomedical field , Regulatory affairs for medical device and importance of course



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## DEPT. OF BIOMEDICAL ENGINEERING

### Organizes Alumni Talk on Role of Biomedical Engineers in **Hospital Management**



*Patron*

**Dr. A.C. Shanmugam**  
B.A. LLB, FIMSA, FRCPS (Glasgow, UK)  
Chairman, RRG1

*Co - Patron*

**Sri. A.C.S Arun Kumar**  
B.Tech (Hons), LMISTE., MIET.,(UK), LMCSI.,  
Vice Chairman, RRG1

**Dr. S.Vijayanand., M. Tech, Ph.D.**  
Executive Director, RRG1

**Dr. S.Jeyabalan., Ph.D**  
Special Officer, RRG1

**Dr.A.K.Mariappan**  
Rector, ACSCE

**Dr. Anandthirtha B Gudi**  
Principal

**Dr. S.Selvanandan**  
Vice Principal, ACSCE

**Dr.P.Bhuvanewari**  
Prof. & HOD, BME

**Mrs.Kaya N**  
Event Co-ordinator

*Resource Person*

**K.DIVYADHARSANI**

Biomedical Engineer  
Rajarajeswari Medical College & Hospital  
(Alumni of BME-Batch 2023)

**Date: 30<sup>th</sup> December 2023 Time: 11.30AM Venue: 3<sup>rd</sup> Floor Seminar Hall**






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## DEPARTMENT OF BIOMEDICAL ENGINEERING

<b>Session Title</b>	Alumni talk on How to be Industry Ready as a Biomedical Engineer		
<b>Date &amp; Time</b>	06/01/2024	FN	11:30AM to 1.00PM
<b>Name of the Resource Person</b>	<p align="center"><b>Ms. Anarghya K S (Freelancer)</b>          Process &amp; Production Lead, GE Health Care          Bangalore          Alumni of BME batch 2021</p>		
<b>Key Points Delivered</b>	<ol style="list-style-type: none"> <li>1. What to become after the completion of Biomedical Engineering</li> <li>2. Job titles for Biomedical Engineers</li> <li>3. Pre industry Courses via any platform</li> <li>4. Companies related to Biomedical</li> <li>5. Courses you need to do to be industry ready</li> </ol>		
<b>Number of Students Present</b>	50		
<b>Snap shot of the event</b>			
			



The session was dealing with insights on industry expectations and how to excel as a standout biomedical engineer. What to become after the completion of Biomedical Engineering , Job titles for Biomedical Engineers , Pre industry Courses via any platform , Companies related to Biomedical , Courses you need to do to be industry ready.



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## DEPARTMENT OF BIOMEDICAL ENGINEERING

*Organizes a Alumni Talk on*

### How to be Industry Ready as a Biomedical Engineer

*Resource Person*



### Ms. Anarghya K S

Process and Production Lead  
GE Healthcare  
Bangalore & Freelancer  
(Alumni of BME – Batch-2021)



**Dr. A.C. Shanmugam**  
B.A., U.B., FAIMSA, FRCP (Biogerms, UK)  
Chairman, RRG I



**Sri. A.C.S Arun Kumar**  
B.Tech (Mech), LMSTE, MEST, JUNE, LMCSL,  
Vice Chairman, RRG I



**Dr. S.Vijayanand., M. Tech, Ph.D.**  
Executive Director, RRG I

**Sri. C.N.Seetharaman., I.A.S.(Retd.)**  
Chief Executive Officer, RRG I

**Dr. S.Jeyabalan., Ph.D**  
Special Officer, RRG I

**Dr.A.K.Mariappan**  
Rector, RRG I

**Dr. Anandthirtha B Gudi**  
Principal, ACSCE

**Dr. S.Selvanandan**  
Vice Principal, ACSCE

**Dr.P.Bhuvaneswari**  
Prof. & HOD, BME

**Ms. Kavya N**  
Asst. Professor  
Co-Ordinator, BME

**Date: 06<sup>th</sup> Jan 2024 Time: 11:00AM Venue: 3<sup>rd</sup> Floor Seminar Hall**



## DEPARTMENT OF BIOMEDICAL ENGINEERING

<b>Session Title</b>	Workshop on Social Entrepreneurship
<b>Date &amp; Time</b>	25/01/2024 <span style="float: right;">9:00AM to 4.00PM</span>
<b>Name of the Resource Person</b>	<b>Mr. Abhinay Peeta</b> <b>Founder &amp; Managing Director</b> <b>MANATHARAM HUMAN WELFARE COUNCIL, Hyderabad</b>
<b>Key Points Delivered</b>	<ol style="list-style-type: none"> <li>1) Explanation about the social enterprise model</li> <li>2) How to Generate social enterprise ideas relevant for the social cause</li> <li>3) Introduction to access the social and financial potential of enterprise ideas</li> <li>4) To explore the advantages and challenges that social enterprises face in the marketplace</li> </ol>

	<p>5) Discussion on entrepreneurial approaches as possible strategies of financial sustainability</p> <p>7) Illustrations of examples and case studies for success and failures</p>
<b>Number of Students Present</b>	47

<b>Snap Shot of the event</b>		
		
		

The session was dealing with the preparation of how to start a business and how students can get funding from different organisations for their ideas. The second half of the session was very interactive, where students had to read the newspaper, pick out the problems that have been occurring and then found a solution to it. By doing this they understood many problems which are happening around us. They also did teamwork to bring out the solution to the caused problem. Overall it was a very useful and an interactive workshop as the students got to learn many things about the social entrepreneurship.





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## DEPT. OF BIOMEDICAL ENGINEERING

Organizing One Day Workshop On

### “Social Entrepreneurship”

*Patron*

**Dr. A.C. Shanmugam**

B.A. LL.B, FIMSA, FRCPS (Glasgow, UK)  
Chairman, RRG1

*Co - Patron*

**Sri. A.C.S Arun Kumar**

B.Tech (Hons), LMISTE., MIET., (UK), LMCSI.,  
Vice Chairman, RRG1



*Resource Person*

**Mr. Abhinay Peeta**

Founder & Managing Director  
MANATHARAM  
HUMAN WELFARE COUNCIL

**Dr. S.Vijayanand., M. Tech, Ph.D.**

Executive Director, RRG1

**Dr. S.Jeyabalan., Ph.D**

Special Officer, RRG1

**Dr.A.K.Mariappan**

Rector, ACSCE

**Dr. Anandthirtha B Gudi**

Principal

**Dr. S.Selvanandan**

Vice Principal

**Dr.P.Bhuvaneshwari**

Prof. & HOD, BME

**Mrs. Nagashree Pavan**

Co-ordinator

**Date: 25<sup>th</sup> January 2024 Time: 9.00AM - 4:00PM**

**Venue: 3<sup>rd</sup> Floor Seminar Hall**



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## DEPARTMENT OF BIOMEDICAL ENGINEERING

### Session Report

<b>Session Title</b>	Workshop on Biomedical System Design Using Arduino Uno
<b>Date &amp; Time</b>	5 <sup>th</sup> and 6 <sup>th</sup> Feb 2024 <span style="float: right;">9:00AM to 4.00PM</span>
<b>Name of the Resource Person</b>	<b>Ms.Avva Bhavitha Sriya</b> <b>Director, Maitra Medtech Technology Pvt Ltd.</b> <b>Incubated @ CPDMed TBI</b> <b>IISC Bangalore</b>
<b>Key Points Delivered</b>	<p><b><u>Day 1:</u></b></p> <ol style="list-style-type: none"> <li>1. How to identify the problems related to biomedical systems</li> <li>2. Introduction to Arduino Uno and other Controllers</li> <li>3. Data Sheet related to Arduino Uno</li> </ol> <p><b><u>Day 2:</u></b></p> <ol style="list-style-type: none"> <li>1. How can we inspire students to leverage emerging technologies in designing innovative biomedical systems, fostering a dynamic and forward-thinking approach that addresses current healthcare challenges.</li> <li>2. What are the key steps and considerations in the product development process that adhere to industry standards, ensuring the successful creation and deployment of high-quality products</li> <li>3. How can the effective implementation of the prototype phase in the product development life cycle be optimized to enhance innovation, identify potential challenges, and ultimately contribute to the successful progression of the overall product development process</li> </ol>



Snap Shot of the event

Day 1:



Day 2:





### **Day 1:**

The session addressed problem identification in the context of Biomedical systems and covered the process of system design, providing insights into Arduino Uno and other controllers. During the afternoon session, participants engaged in a hands-on session to initiate the design process

### **Day 2:**

The session focused on stimulating design thinking in students to foster an innovative approach towards building biomedical systems with emerging technologies. It provided insights into the process of product development according to industry standards and emphasized the implementation of the initial phase in the product development life cycle, namely, prototype development. Certificates were issued by the company during the valedictory session.



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## Department Of Biomedical Engineering



*Organizes*

Two Days Hands on Workshop on



## “Biomedical System Design Using Arduino Uno”



*Resource Person*



**Dr. A.C. Shanmugam**

*B.A. LLB, FIMSA, FRCPS (Glasgow, UK)*

**Founder Chairman**

RajaRajeswari Group of Institutions

**Ms. Avva Bhavitha Sriya**

*Director, Maitra Medtech Technology Pvt. Ltd.,*

*Incubated @CPDMeD TBI*

*IISc Bangalore*

**Sri. A.C.S Arun Kumar**

*B.Tech (Hons.), LMISTE., MIET.,(UK), LMCSI.,*

*MIEEE, MCSI, MISTE, Ceng (India)*

**President**

RajaRajeswari Group of Institutions

**Dr. S.Vijayanand, M.Tech., Ph.D**

*Executive Director, RRG I*

**Sri. C.N Seetharam, IAS (Retd.)**

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**Dr.S.Selvanandan**  
*Vice Principal, ACSCE*

**Dr.P.Bhuvaneswari**  
*Prof. & HOD, BME*

**Mr.Abhishek K**  
*Event Coordinator*  
*Asst. Professor, BME*

**Date: 5<sup>th</sup> - 6<sup>th</sup> Feb, 2024 Time: 9:00 AM - 4:00PM Venue: 3<sup>rd</sup> Floor Seminar Hall**





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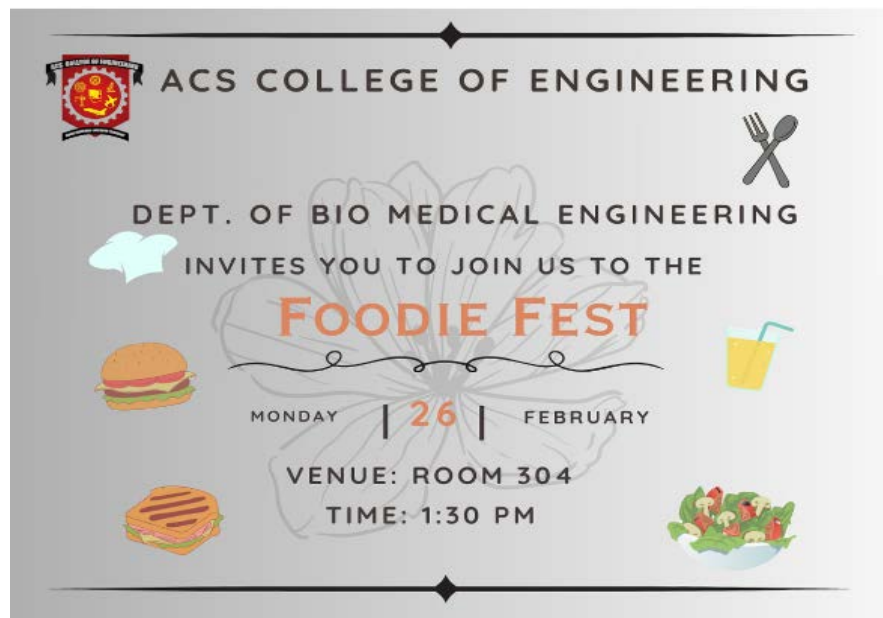
## DEPARTMENT OF BIOMEDICAL ENGINEERING

### Session Report

<b>Session Title</b>	Foodie Fest – As a part of Social Connect and Responsibility Curriculum(BSCK307)		
<b>Date &amp; Time</b>	26/02/2024	FN	1:30PM to 4:00PM
<b>Number of Students Present</b>	21		
<b>Snap shot of the event</b>	 <p>GPS Map Camera Kambipura, Karnataka, India VFR8+H74, Kambipura, Bengaluru, Karnataka 560060, India Lat 12.891516° Long 77.465699° 26/02/24 03:03 PM GMT +05:30</p>		
			



The Foodie Fest, was organized by the Biomedical Engineering Department, as a part of Social Connect and Responsibility Curriculum(BSCK307) aimed to celebrate diverse cuisines, cultural practices of the city, and indigenous ingredients used in cooking. Students were organized into groups to prepare and share various dishes such as Puttu (a dish from Kerala), Layalisham (a dessert from Qatar), Dhokla (spongy steamed cakes from Gujarat), Mushroom Biryani, Chapati Pizza, Cheese Rolls, Maggie (Instant Noodles), and Chats.





## DEPARTMENT OF BIOMEDICAL ENGINEERING

### REPORT OF RRMCH VISIT ON 14/02/2024

#### ACTIVITIES DONE:

- Students were formed into 3 groups.
- Each group had familiarized with the medical equipments such as ECG, Spirometer, Ventilator equipments, Ophthalmic equipments, Audiometer, Baby Incubator, Dialysis machine and its working principle.



## DEPARTMENT OF BIOMEDICAL ENGINEERING

### Session Report

<b>Session Title</b>	Channapatna Crafts Park Visit - As a part of Social Connect and Responsibility Curriculum(BSCK307)	
<b>Date &amp; Time</b>	17.01.2024	9:00AM to 4.00PM
<b>Number of Students Present</b>	21	

<b>Snap Shot of the event</b>		
		

As part of the VTU curriculum, students of Biomedical Engineering visited Channapatna Crafts Park. This heritage tour facilitated their connection with the local community, enabling them to delve into the area's rich history, customs, traditions, unique crafts, and the dedicated craftsmen preserving traditional skills.