ACS College of Engineering
Approved by AICTE New Delhi, Affiliated to VTU, Belagavi
(A Unit of RajaRajeswari Group of Institutions)
CET Code : E186 COMED-K : E003 PGCET : T918

Department of Biomedical Engineering

Alumni Talk

on

"Role of Biomedical Engineer at Corporate Hospital and Neonatal"

Topic: Role of Biomedical Engineer at Corporate Hospital and Neonatal

Date: 22.02.2025 (Saturday)

Time: 11.45 A.M. to 12.45 P.M.

Resource Person : Mr.Ayaan Abbas
Biomedical Engineer
Ovum Women & Child Specialist Hospital Bangalore

Programme Objective

The Alumni Talk would focus on the vital role of biomedical engineers in corporate hospitals, emphasizing their responsibility in maintaining and troubleshooting life-saving medical equipment, ensuring compliance with healthcare regulations, and supporting patient care. The speaker would discuss how biomedical engineers collaborate with medical staff to integrate and optimize technologies, ensuring smooth hospital operations. A special focus would be placed on neonatal programs, highlighting the engineer's role in maintaining specialized equipment in NICUs, such as incubators and ventilators. The impact of biomedical engineers on neonatal outcomes, such as improving equipment reliability and monitoring systems, would be discussed. Ultimately, the talk would emphasize how the expertise of biomedical engineers contributes to better healthcare delivery and enhanced patient outcomes.

Program Outcome

1. Introduction to Biomedical Engineering in Healthcare

- Definition and scope of biomedical engineering.
- Importance of biomedical engineers in modern hospitals.

2. Role in Corporate Hospitals

- Medical Equipment Management: Procurement, installation, calibration, and maintenance of medical devices.
- Regulatory Compliance: Ensuring hospital equipment meets safety and quality standards (ISO, NABH, FDA).
- Technology Integration: Implementing hospital management systems and telemedicine.
- Cost Optimization: Reducing hospital expenses through preventive maintenance and proper equipment utilization.
- Collaboration with Healthcare Teams: Working with doctors and nurses to enhance patient care through technology.

3. Role in Neonatal Care Units (NICU)

- Critical Neonatal Equipment: Incubators, ventilators, infusion pumps, phototherapy units, etc.
- Ensuring Device Accuracy: Regular calibration of NICU equipment to ensure safe and precise operation.
- Innovations in Neonatal Care: Use of AI, remote monitoring, and wearable devices for premature babies.
- Emergency Preparedness: Quick troubleshooting and repairs to avoid downtime in life-saving equipment.

4. Challenges and Future Trends

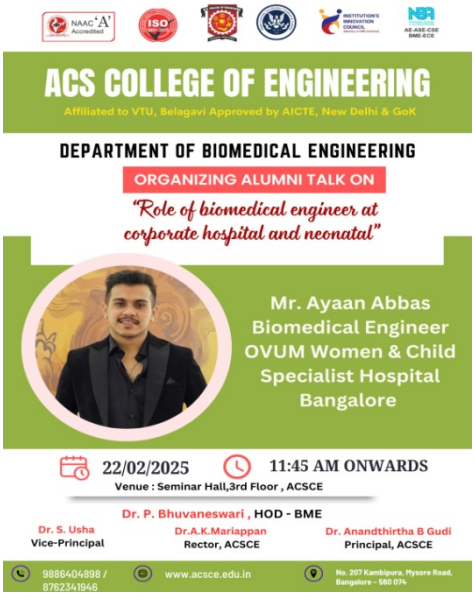
- Challenges: Budget constraints, technical failures, training hospital staff on new technologies.
- Future Trends: IoT in healthcare, AI-powered diagnostics, automation in hospitals, and telemedicine advancements

Participants: **4th & 6th students of BME Department + 2 faculties**

Event Co-ordinator:

Mrs.Kavya N, Assistant Professor – BME

Event Poster



Event Photos





Felicitating the Guest









Interaction with students





Students interaction during **Alumni Talk** : **Role of Biomedical Engineer at Corporate Hospital and Neonatal** the conducted for 4th & 6th semester students.

Event Co-ordinator

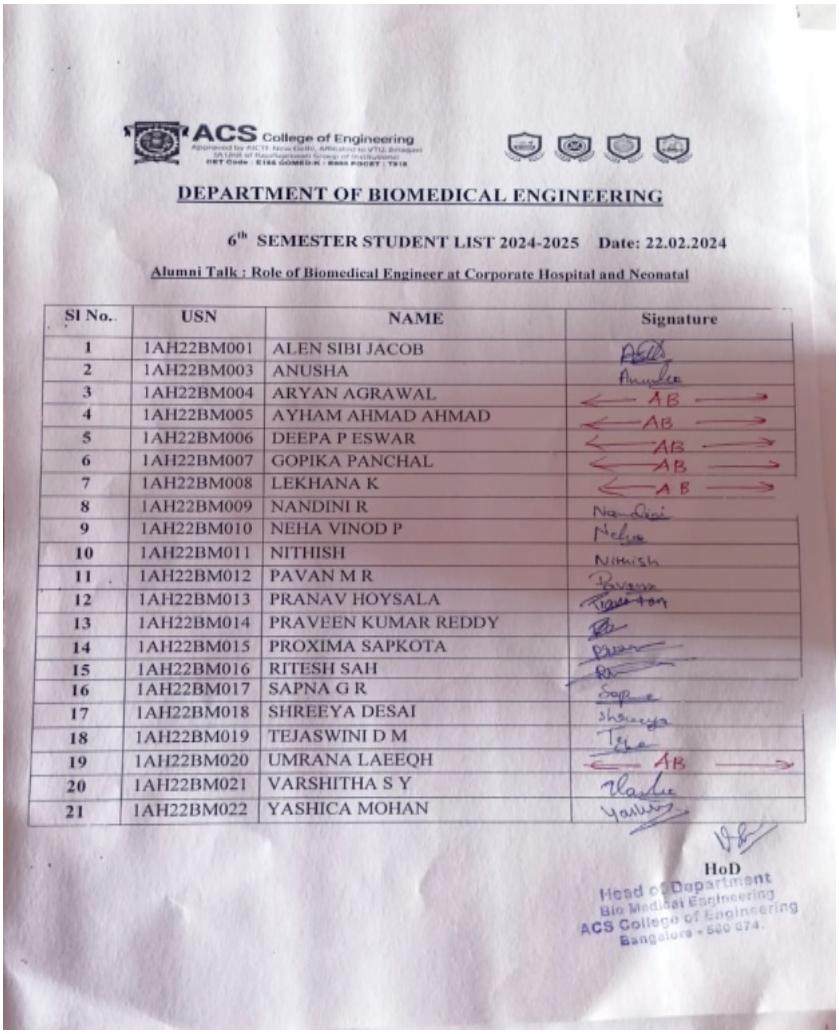
HoD

Head of Department
Bio Medical Engineering
ACS College of Engineering
Bangalore - 560 074.

Principal

PRINCIPAL
ACS COLLEGE OF ENGINEERING
Kambipura, Mysore Road, Kengeri Hob
Bangalore-560074

Student Attendance:



ACS College of Engineering

DEPARTMENT OF BIOMEDICAL ENGINEERING

6th SEMESTER STUDENT LIST 2024-2025 Date: 22.02.2024

Alumni Talk : Role of Biomedical Engineer at Corporate Hospital and Neonatal

Sl No.	USN	NAME	Signature
1	1AH22BM001	ALEN SIBI JACOB	
2	1AH22BM003	ANUSHA	
3	1AH22BM004	ARYAN AGRAWAL	AB
4	1AH22BM005	AYHAM AHMAD AHMAD	AB
5	1AH22BM006	DEEPA P ESWAR	AB
6	1AH22BM007	GOPIKA PANCHAL	AB
7	1AH22BM008	LEKHANA K	AB
8	1AH22BM009	NANDINI R	
9	1AH22BM010	NEHA VINOD P	
10	1AH22BM011	NITHISH	
11	1AH22BM012	PAVAN M R	
12	1AH22BM013	PRANAV HOYSALA	
13	1AH22BM014	PRAVEEN KUMAR REDDY	
14	1AH22BM015	PROXIMA SAPKOTA	
15	1AH22BM016	RITESH SAH	
16	1AH22BM017	SAPNA G R	
17	1AH22BM018	SHREEYA DESAI	
18	1AH22BM019	TEJASWINI D M	
19	1AH22BM020	UMRANA LAEEQH	AB
20	1AH22BM021	VARSHITHA S Y	
21	1AH22BM022	YASHICA MOHAN	

HoD
Head of Department
Bio Medical Engineering
ACS College of Engineering
Bangalore - 560 074

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CET Code : E184 COMED-K : E303 PGCET : T918

DEPARTMENT OF BIOMEDICAL ENGINEERING

4th SEMESTER STUDENT LIST 2024-25 Date : 22.02.2025

Alumni Talk : Role of Biomedical Engineer at Corporate Hospital and Neonatal

Sl.No	USN	Name	Signature
1	1AH23BM001	ALWIN RAJU	
2	1AH23BM002	ANILET ENITA M	
3	1AH23BM003	ANUSHA N	AB
4	1AH23BM004	BHOOMIKA	
5	1AH23BM005	CHAITRA GUBBI	
6	1AH23BM006	CHANDANA P	
7	1AH23BM007	CHANDANA R	
8	1AH23BM009	JEEVAN R	AB
9	1AH23BM010	KEVIN RUFUS KUMAR	
10	1AH23BM011	KUSUMA C V	
11	1AH23BM012	LISHA S	
12	1AH23BM013	M L TARUN RAJ	
13	1AH23BM014	MEGHNA	
14	1AH23BM015	MIDHUN KRISHNAN U	
15	1AH23BM016	MOHAMMED ABDUL HASEEB	
16	1AH23BM017	NAIOMI BENJAMIN	
17	1AH23BM018	NANDIKA B U	
18	1AH23BM019	PRANATHI K M	
19	1AH23BM020	SANJANA H S	
20	1AH23BM023	TANUSHA S	
21	1AH23BM024	VADDI MEGHANA	
22	1AH23BM025	VAISNAVI B	
23	1AH23BM027	VIDYA HEGDE	

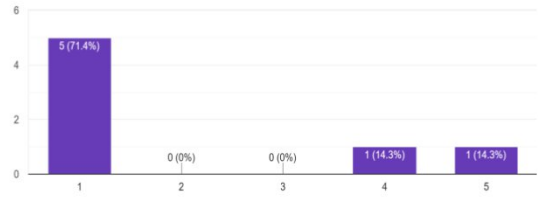
HoD

Head of Department
Dept. of Biomedical Engineering
ACS College of Engineering
Bangalore-560074

Feedback Details

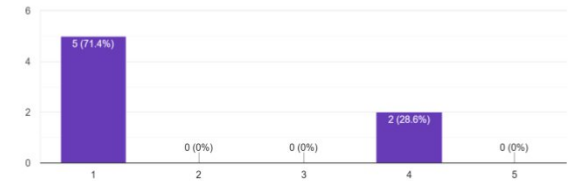
How would you rate the overall quality of the alumni talk on the role of a Biomedical Engineer?

7 responses



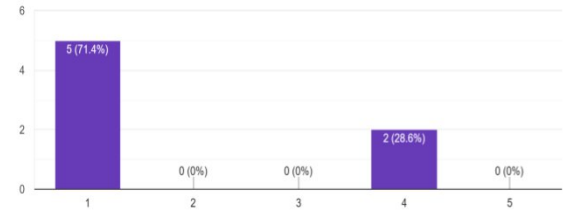
How well did the speaker explain the role of a Biomedical Engineer in a corporate hospital setting?

7 responses



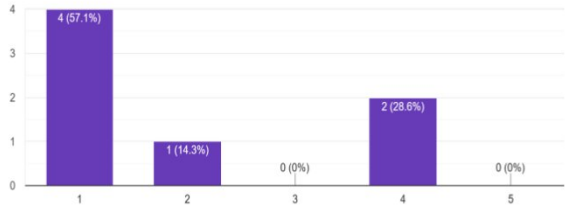
Did the alumni speaker provide relevant insights into the challenges and responsibilities faced by Biomedical Engineers in neonatal care?

7 responses



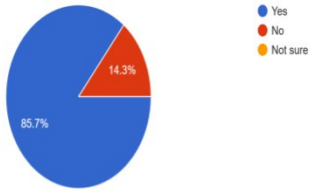
How clear and understandable was the presentation about the equipment and technology used in neonatal care?

7 responses



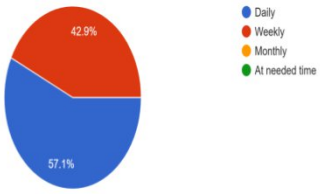
Do you think biomedical engineers in neonatal care need additional training compared to those in other hospital departments?

7 responses



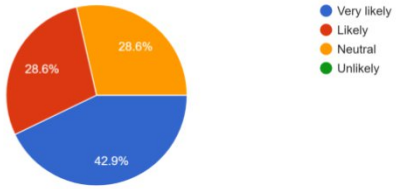
How often do you think biomedical engineers should perform preventive maintenance on neonatal equipment?

7 responses



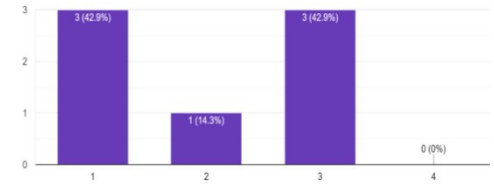
How likely are you to consider a career in biomedical engineering after learning about its role in both corporate hospitals and neonatal care?

7 responses



How would you rate the maintenance and servicing of medical equipment in corporate hospitals?

7 responses



How would you rate the hospital's response time for equipment failures or technical issues that impact patient care?

7 responses

