

Events

KPR Institute of Engineering and Technology

Consolidated Reports

Top Sheet

No	Event No.	Status	Name	Date Time	Venue	Dept.
1	BM/2024/001	Closed	INAUGURATION OF MEDICOSAPIENS AND BMESI FOR AY:2024-25	10-08-2024 02:30 PM	Raagam Hall	BM
2	BM/2024/002	Closed	CONCLAVE ON MEDICAL SYSTEMS 2024	10-08-2024 02:30 PM	Raagam Hall	BM
3	BM/2024/003	Closed	PREVENTING GASTRO AND LIVER ILLNESSES DOABLE PRACTICES	17-08-2024 10:30 AM	III BME Classroom	BM
4	BM/2024/004	Closed	IMMUNO ENGINEERING	16-11-2024 02:00 PM	KPR Knowledge Campus	BM
5	BM/2024/006	Closed	TEACHER'S DAY CELEBRATION	05-09-2024 03:00 PM	Gitam Hall	BM
6	BM/2024/007	Closed	IGNUZ'24	08-11-2024 08:00 AM	Raagam Hall	BM
7	BM/2024/008	Closed	GUEST LECTURE ON HUMAN ANATOMY AND PHYSIOLOGY	17-08-2024 10:30 AM	II BME CLASSROOM	BM
8	BM/2024/009	Closed	ENGINEERS DAY CELEBRATION	14-09-2024 11:00 AM	II BME Classroom	BM
9	BM/2024/010	Closed	Alumni Interaction	28-09-2024 02:00 PM	II BME	BM
10	BM/2024/014	Closed	MEDICAL DEVICES AND REGULATORY AFFAIRS	26-10-2024 11:00 AM	Biomechanics laboratory	BM
11	BM/2024/017	Closed	Imaging in Healthcare - Present and Future	24-10-2024 11:00 AM	KPR Knowledge Campus	BM
12	BM/2024/018	Closed	Medical Image Processing	23-01-2025 09:00 AM	Biomechanics Laboratory	BM
13	BM/2024/022	Closed	Point-of-Care Diagnostics and Portable Medical Devices	20-08-2024 02:00 PM	KPR Knowledge Campus	BM
14	BM/2024/023	Closed	TESTING AND CALIBRATION OF MEDICAL DEVICES	15-03-2025 09:00 AM	Devices and Integrated Circuits Laboratory	BM
15	BM/2024/030	Closed	SOLVE-A-THON	31-08-2024 11:00 AM	BIOMECHANICS LABORATORY	BM
16	BM/2024/031	Closed	DESIGN AND FABRICATION OF BIOMEDICAL CIRCUITS	11-11-2024 09:20 AM	III BME CLASSROOM	BM
17	BM/2024/032	Closed	The Power of Practical Experience: Alumni Insights on Applying Theory	19-10-2024 10:00 AM	III BME CLASSROOM	BM
18	BM/2024/033	Closed	Hackathon	07-11-2024 09:30 AM	Veena Hall	BM
19	BM/2024/034	Closed	Workshop on special needs for disabled children	07-11-2024 09:30 AM	Veena Hall	BM
20	BM/2024/035	Closed	Workshop on Design Thinking	07-11-2024 11:00 AM	Veena Hall	BM
21	BM/2024/036	Closed	Workshop on "Mobile app development"	07-11-2024 02:00 PM	Veena Hall	BM
22	BM/2024/037	Closed	Educational aids for special children	07-11-2024 09:00 AM	Veena Hall and Integrated Circuits Lab	BM

Events

KPR Institute of Engineering and Technology

No	Event No.	Status	Name	Date Time	Venue	Dept.
23	BM/2024/038	Closed	Exploring the Complex Anatomy of the Lungs: Structure, Function, and Clinical Insights	16-11-2024 02:00 PM	KPR Knowledge Campus	BM
24	BM/2024/071	Closed	Global Opportunities in Higher Education	29-11-2024 10:00 AM	KPR Knowledge Campus	BM
25	BM/2024/072	Closed	Alumni Induction 2025	01-02-2025 02:00 PM	Biomechanics Laboratory	BM
26	BM/2024/073	Closed	Emerging Trends and Innovations in Biomedical Engineering: From Diagnostics to Marketable Solutions	27-01-2025 09:00 AM	KPR Knowledge Campus	BM
27	BM/2024/074	Closed	Alumni Talk on "Establishing a Foundation for a Career in Healthcare"	22-02-2025 12:00 PM	II BME	BM
28	BM/2024/075	Closed	National Heart Valve Disease Awareness Day Quiz	22-02-2025 09:00 AM	KPR Knowledge Campus	BM
29	BM/2024/076	Closed	Reverse Engineering in Biomedical Devices: A Hands-On Workshop on Ventilators	22-03-2025 09:30 AM	Biomechanics Laboratory	BM
30	BM/2024/077	Closed	Med-Innovate: Disrupting Healthcare Ideas	03-03-2025 09:00 AM	KPR Knowledge Campus	BM
31	BM/2024/078	Closed	Poster Presentation	15-03-2025 09:00 AM	III BME Classroom	BM
32	BM/2024/079	Closed	Paper Presentation	14-03-2025 09:00 AM	I ECE A	BM
33	BM/2024/080	Closed	FIESTAA'25	14-03-2025 09:00 AM	Biomedical Department	BM
34	BM/2024/102	Closed	Innovations at the Crossroads: Emerging Technologies in Advanced Computing	22-04-2025 01:30 PM	BIOMECHANICS LABORATORY	BM
35	BM/2024/104	Closed	Application of AI in Healthcare Sector	08-05-2025 02:00 PM	II BME	BM
36	BM/2024/105	Closed	Tryengineering	10-05-2025 11:00 AM	DIC lab	BM
37	BM/2024/106	Closed	MEDICAL CODING FOR BIOMEDICAL ENGINEERS	18-10-2024 09:00 AM	II BME CLASSROOM	BM
38	BM/2024/107	Closed	DEEP LEARNING IN BIOMEDICAL IMAGING	15-04-2025 09:00 AM	II BME CLASSROOM	BM
39	BM/2024/108	Closed	Blue print to Bedside	03-05-2025 09:00 AM	II BME IIIBME CLASSROOM	BM
40	BM/2024/109	Closed	EXECUTIVE DEVELOPMENT PROGRAMME	12-02-2025 09:00 AM	RAGAM HALL	BM
41	BM/2024/110	Closed	Family meet'25	10-02-2025 08:06 AM	Darza luxury resorts	BM
42	BM/2024/111	Closed	Guest Lecture on Numpy and Pandas	21-05-2025 10:00 AM	Python Lab	BM
43	BM/2024/112	Closed	Core Training	27-06-2025 09:00 AM	KPR Knowledge Campus	BM
44	BM/2024/113	Closed	National quiz on hypertension	17-05-2025 06:00 PM	KPR Knowledge Campus	BM

Event No	BM/2024/001
Status	Closed
Name	INAUGURATION OF MEDICOSAPIENS AND BMESI FOR AY:2024-25
Date and Time	10-08-2024 02:30 PM to 02:30 PM
Mode	On Campus
Type	Association Activity
Level	Dept. Level
Organized For	Others
Related SDG	4: Quality Education, 5: Gender Equality
Department	BM
Asso. Department	BMESI (BioMedical)
Venue	Raagam Hall
Industry Participants	7
Faculty Internal Participants	12
Students Internal Participants	200

Staffs Involved

No	Full Name	Role
1	BME18 - Priya Darshini B	Convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Chief Guest	Dr Palanivelu C	Chairman	frontoffice@geminstitute.in	GEM Hospital and Research Centre

Event Description

The event will feature a ceremonial launch, followed by insightful talks from esteemed guests, including leaders in the biomedical field, faculty members, and representatives from the association. Attendees will gain insight into the vision and objectives of these student-led organizations, which aim to foster academic excellence, promote interdisciplinary collaboration, and bridge the gap between medical sciences and engineering.

Overview of the mission, goals, and upcoming initiatives planned by the student chapters.

Actual Outcome and Report of the Event

The event "Inauguration of MedicoSapiens and BMESI for AY: 2024-25" was successfully held, marking the official start of the academic year's activities for both the MedicoSapiens student association and the Biomedical Engineering Society of India (BMESI) chapter.

The inauguration included keynote speech on biomedical innovations, and discussions on the role of biomedical engineering in healthcare. The event highlighted the importance of interdisciplinary collaboration in advancing biomedical research and technology.

The key outcomes was the emphasis on student participation in upcoming conferences, workshops, and projects to foster innovation and cooperation among scientists and engineers. The event served as a platform for students to connect with experts in the field, setting the stage for a year of active engagement in biomedical engineering initiatives.

POSTER



WEBIMG



IMG1



IMG2



Events

Event No	BM/2024/002
Status	Closed
Name	CONCLAVE ON MEDICAL SYSTEMS 2024
Date and Time	10-08-2024 02:30 PM to 04:35 PM
Mode	On Campus
Type	Expert Talk
Level	Dept. Level
Organized For	Students
Related SDG	3: Good Health and Well-being, 4: Quality Education, 5: Gender Equality, 9: Industry, Innovation and Infrastructure
Department	BM
Asso. Department	BMESI (BioMedical)
Venue	Raagam Hall
Industry Participants	7
Students Internal Participants	207

Staffs Involved

No	Full Name	Role
1	BME23 - Sudarvizhi D	Coordinator
2	BME20 - Krishna Kumar R	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Chief Guest	PALANIVELU	CHAIRMAN	info@geminstitute.in	GEM HOSPITALS, COIMBATORE

Event Description

Conclave aims to bridge the gap between the hospitals and medical industries. Providing significant benefits to students by facilitating exposure to diverse healthcare models and practices. It also brings more insights about the innovations in the field of medicine and healthcare systems.

Medical system is a vertical track offered to super specialize the skillsets of students in order to broaden their opportunities of core placements and to pursue higher studies abroad. The medical systems have the following eight sub disciplines wherewith students can choose any six subject to pursue their honors degree in the area of medical systems which includes;

- v Urologic and Nephrological systems
- v Gynecologic and obstetric systems
- v Orthopedics systems
- v Ophthalmologic systems
- v Neurologic systems
- v Chemotherapy techniques
- v Pulmonology systems
- v Pediatric systems

The above-mentioned disciplines will be handled by the concerned doctors from renowned hospitals. They act as a key resource persons in syllabus framing and will be actively involved in assessments to validate the performance of the students. Hence in medical systems vertical the doctors turned to be professors. This innovative initiative will bring in more exposure to the students through experiential learning and through real time patient case studies and field visits.

Actual Outcome and Report of the Event

The Conclave on Medical Systems 2024 and the Department Association Inauguration Medico sapiens and BMESI was held at KPR Institute of Engineering and Technology at Raagam hall on August 10th, 2024 by 2.30pm. The event began with the traditional Tamil Thai Vazhthu, followed by a glimpse of the KPR Anthem. The ceremonial lighting of the lamp was carried out by our Chairman, Principal, Head of the Department and by our the distinguished chief guests, marking the official commencement of the event.

Dr. D. Sudarvizhi, Medical Systems Lead, delivered the Welcome Address, setting an insightful tone for the day's proceedings. The renowned doctors who have worked for the making of Medical systems were honoured by our visionary Chairman, Dr. K.P. Ramasamy. The distinguished guests who were honoured:

- v Dr. K. Eswaramoorthy, Chief Executive Officer of Masonic Hospital Coimbatore
- v Dr. Nandagopal Velayuthaswamy, Pulmonologist at the Tuberculosis & Respiratory Medicine Institute of Lung Care & Research, Hindusthan Hospital Coimbatore
- v Dr. S. Sunetha, Medical Director at Ranjan Medical Centre and Hospitals Coimbatore
- v Dr. R. Ramya, Consultant Neurologist at Aadhaar Multispecialty Medical Centre, Tiruppur
- v Dr. K.T. Manisenthikumar, Chief Operating Officer of Royal Care Super Speciality Hospitals, Coimbatore
- v Dr. Ram Rammohan, Head of the Division of Laboratory Services at Aravind Eye Hospital, Coimbatore

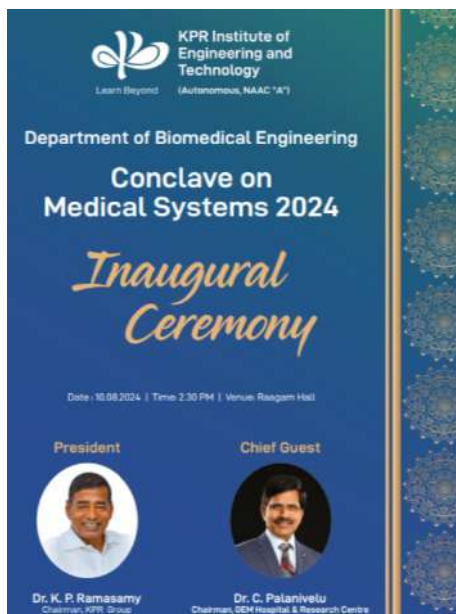
Following this, Ms. B. Priya Darshini, Association Faculty Advisor, announced the new office bearers of the Medico Sapiens (student association), and BMESI (professional society) followed by the Felicitation Address was delivered by Dr. D. Saravanan, Principal of KPRIET. He spoke about the vision of our Chairman, Dr. K.P. Ramasamy, in transforming the educational focus from 'Science in Engineering' to 'Engineering in Science,' emphasizing the importance of this shift for student welfare and growth in the field of engineering.

The Presidential Address was given by Dr. K.P. Ramasamy was particularly impactful as he discussed the recent release of the biography "Guts", written by our chief guest, Dr. C. Palanivelu, Chairman of GEM Hospitals. Dr. Ramasamy highlighted the remarkable journey of Dr. Palanivelu, his struggles, and his numerous achievements that his life story is a powerful source of inspiration for students.

The chief guest was introduced by Ms. Lakshitha S. Shankar, President of the BMESI-Students Chapter. Dr. C. Palanivelu then delivered an engaging and informative Chief Guest Address. He shared insights into the advancements in laparoscopy technology, the use of fluorescence in identifying cancer cells, and the ongoing research in chemotherapy. He also discussed the invention of the TROCAR and its benefits, emphasizing his continuous efforts to evolve with emerging medical technologies to enhance patient experience and safety. Furthermore, Dr. Palanivelu spoke about the production of cost-effective laparoscopic equipment, making advanced surgical procedures accessible even to rural populations. His address deeply motivated the budding biomedical engineers in the audience, encouraging us to contribute to innovative and effective inventions.

The event also featured the release of the Medical Systems Track by dignitaries such as Chairman, Chief guest, Principal and Head of the department, which outlined key areas of focus for biomedical engineers, particularly in research and innovation. This release served as a roadmap for students to explore and contribute to the future of medical systems. Ms. Nishanthini G, President of Medico Sapiens, delivered the Vote of Thanks, expressing gratitude to all who contributed to the success of the event. The event concluded with the National Anthem, followed by a Technical Interaction session between doctors and students. During this session, students and professionals brainstormed new inventions in the field of biomedical engineering, discussed the importance of novelty in product development, and explored the curriculum project patterns. The doctors answered every student's question in an extraordinary way, leaving the participants inspired and eager to innovate.

POSTER



WEBIMG



IMG1



IMG2



Event No	BM/2024/003		
Status	Closed		
Name	PREVENTING GASTRO AND LIVER ILLNESSES DOABLE PRACTICES		
Date and Time	17-08-2024 10:30 AM to 10:30 AM		
Mode	On Campus		
Type	Guest Lecture		
Level	Dept. Level		
Organized For	Students		
Related SDG	3: Good Health and Well-being, 4: Quality Education, 9: Industry, Innovation and Infrastructure		
Department	BM		
Asso. Department	IIPC, ISTE		
Venue	III BME Classroom		
Faculty Internal Participants	2		
Students Internal Participants	55		

Staffs Involved

No	Full Name	Role
1	BME20 - Krishna Kumar R	Coordinator
2	BM006 - Bharath V	Coordinator

Events

KPR Institute of Engineering and Technology

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Soundappan	Consultant and Surgeon	coo@royalcarehospitals.in	Royal Care Super Speciality Hospital, Coimbatore

Event Description

The Department of Biomedical Engineering in association with Industry Institute Partnership Cell (IIPC) and Indian Society for Technical Education (ISTE) is planning to conduct a Guest lecture on 17.08.2024 at 10.30am at III BME classroom for II and III BME Students. Dr. S.Soundappan, Consultant and Surgeon is delivering the lecture on 'Preventing Gastro and Liver Illnesses - Doable Practices'.

Actual Outcome and Report of the Event

The Students have gained knowledge on Liver and Gut illness and doable activities to prevent these diseases. The Department of Biomedical Engineering in association with Indian Society for Technical Education Student Chapter (ISTE) and Industry Institute Partnership Cell (IIPC) organized a Guest Lecture on Preventing Gastro and Liver Illness - Doable practices by Dr.S.Soundappan, Consultant - Gastro Minimally Invasive and Liver Transplant Surgery, Royal Care Super Speciality Hospital, Coimbatore on 17.08.2024 at 10.30 AM for II BME students. The Session was very helpful and the Doctor had shared insightful knowledge and doable preventative steps to avoid Liver diseases. The Students had an interactive session with the Guest and the feedback were collected from the Students.

POSTER



WEBIMG



IMG1



IMG2



Event No	BM/2024/004
Status	Closed
Name	IMMUNO ENGINEERING
Date and Time	16-11-2024 02:00 PM to 03:00 PM
Mode	Hybrid
Type	Guest Lecture
Level	Dept. Level
Organized For	Others
Related SDG	3: Good Health and Well-being, 4: Quality Education
Department	BM
Asso. Department	BMESI (BioMedical)
Online Medium	Google Meet
Meeting Link	https://meet.google.com/bth-vxzq-abq
Other Participants	75

Staffs Involved

No	Full Name	Role
1	BME21 - RAJASINGAM N	Convenor
2	BM006 - BHARATH V	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Dr. D. geeta Anasuya	Professor		KMCH Institute of Health Science and Research

Event Description

Wxpert talk on Exploring the complex anatomy of the lungs : Structure, Function and Clinical Insights

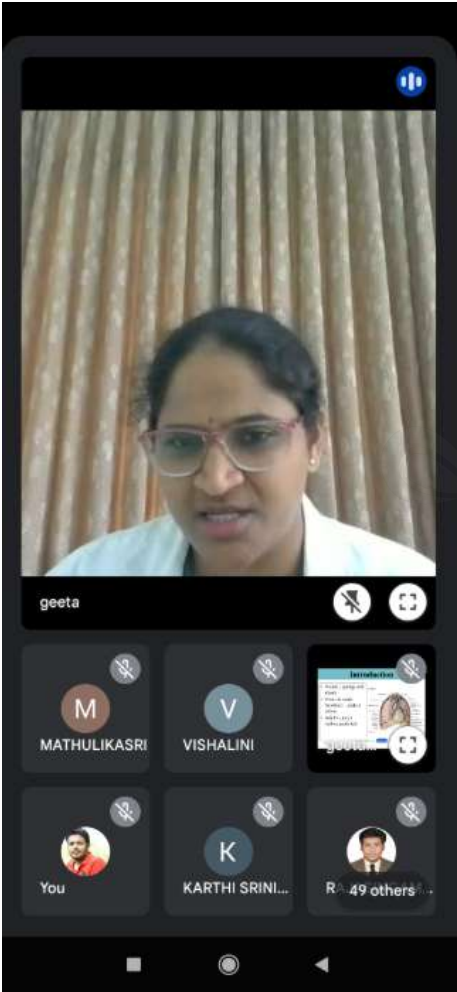
Actual Outcome and Report of the Event

INDEPTH KNOWLEDGE TO THE STUDENTS

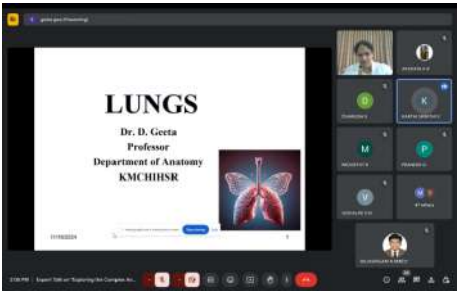
POSTER



IMG1



IMG2



Event No	BM/2024/006
Status	Closed
Name	TEACHER'S DAY CELEBRATION
Date and Time	05-09-2024 03:00 PM to 04:00 PM
Mode	On Campus
Type	Celebration
Level	Dept. Level
Organized For	Others
Related SDG	5: Gender Equality
Department	BM
Involved Subject Hours	Hour 6, Hour 7
Venue	Gitam Hall
Faculty Internal Participants	9
Students Internal Participants	124
Other Participants	4

Staffs Involved

No	Full Name	Role
1	BME18 - Priya Darshini B	Coordinator
2	BME13 - Gayathri T	Coordinator

Event Description

Department of Biomedical Engineering is planning to celebrate Teacher's Day at Gitam Hall from 3.00 to 4.00 pm. The events are to be conducted for the faculty members by the students.

Actual Outcome and Report of the Event

Department of Biomedical Engineering celebrated Teacher's Day at Gitam Hall from 03:00 pm to 04:00 pm. The event started by welcoming the gathering, then with dance performance by students, fun games and video for faculty members, and ended by a token of love from the students.

POSTER



WEBIMG





Event No	BM/2024/007
Status	Closed
Name	IGNUZ'24
Date and Time	08-11-2024 08:00 AM to 04:30 PM
Mode	Hybrid
Type	Competition
Level	National
Organized For	Others
Related SDG	3: Good Health and Well-being, 4: Quality Education, 5: Gender Equality, 9: Industry, Innovation and Infrastructure
Department	BM
Asso. Department	BMESI (BioMedical), IEEE
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4, Hour 5, Hour 6, Hour 7
Venue	Raagam Hall
Students External Participants	200

Staffs Involved

No	Full Name	Role
1	BM001 - ALLWYN GNANADAS A	Convenor
2	BME18 - PRIYA DARSHINI B	Co-convenor
3	BM006 - BHARATH V	Coordinator
4	BME21 - RAJASINGAM N	Coordinator

Event Description

Events

KPR Institute of Engineering and Technology

We are excited to invite you to IGNUZ '24, a National Level Technical Symposium hosted by the Department of Biomedical Engineering in association with IEEE KPRIET EMBS SBC and BMESI at KPR Institute of Engineering and Technology.

SYMPOSIUM

TECHNICAL EVENTS

- Tech Quest: "Showcase Tomorrow's Innovations Today!"
Team size: 1-3 members
- Sketch Sphere: "Designing Dreams, One Model at a Time!"
Team Size: 1-3 members
- Prompt Scape: "Quick Minds, Brilliant Solutions!"
Team Size: 1-2 members
- Paper Pioneers: "Pioneering Solutions for a Smarter Tomorrow!"
Team Size : 2- 4 members

NON TECHNICAL EVENTS

- Engineering Connections: "Connecting Ideas, One Bridge at a Time!"
Team Size: 2-4 members
- Glide the Sphere: "Balance, Focus, Fun!"
Team Size: 2-4 members
- Memory Mastery: "Challenge Your Memory, Test Your Wits!"
Team Size : 2- 4 members
- Pop to Claim: "Pop into Fun and Competition!"
Individual Participation

Actual Outcome and Report of the Event

IGNUZ '24, a technical symposium, was hosted by the Department of Biomedical Engineering in collaboration with IEEE KPRIET EMBS SBC and BMESI. Aimed at fostering innovation, technical knowledge, and collaborative skills among students, this event brought together participants from across the nation to engage in an array of technical and non-technical competitions.

IGNUZ '24 was organized to engage participants with a range of activities that covered both technical and non-technical skills. Students across multiple engineering domains enthusiastically participated, contributing to an inclusive and knowledge-rich environment.

Participant Feedback: Attendees appreciated the diversity of events and the opportunity to enhance their knowledge in a collaborative environment.

Skill Development: The technical events allowed students to apply theoretical knowledge to practical challenges, fostering a deeper understanding of biomedical engineering principles.

Networking: The event facilitated connections with like-minded peers and industry experts, encouraging future collaborations.

POSTER



WEBIMG



IMG1



IMG2



Event No	BM/2024/008
Status	Closed
Name	GUEST LECTURE ON HUMAN ANATOMY AND PHYSIOLOGY
Date and Time	17-08-2024 10:30 AM to 11:30 AM
Mode	Hybrid
Type	Guest Lecture
Level	Dept. Level
Organized For	Others
Related SDG	3: Good Health and Well-being, 4: Quality Education
Department	BM
Venue	II BME CLASSROOM
Industry Participants	3
Faculty Internal Participants	3
Students Internal Participants	75

Staffs Involved

No	Full Name	Role
1	BM006 - BHARATH V	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Dr. Soundappan	Consultant		Royalcare super speciality hospital

Actual Outcome and Report of the Event

Internship, Field Visit

POSTER



IMG1



IMG2



Event No	BM/2024/009
Status	Closed
Name	ENGINEERS DAY CELEBRATION
Date and Time	14-09-2024 11:00 AM to 12:00 PM
Mode	On Campus
Type	Guest Lecture
Level	Dept. Level
Organized For	Students
Related SDG	4: Quality Education, 9: Industry, Innovation and Infrastructure
Department	BM
Asso. Department	BMESI (BioMedical)
Involved Subject Hours	Hour 3, Hour 4
Venue	II BME Classroom
Faculty Internal Participants	4
Students Internal Participants	56

Staffs Involved

Events

KPR Institute of Engineering and Technology

No	Full Name	Role
1	BME13 - Gayathri T	Coordinator
2	BME18 - Priya Darshini B	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Er. Mohammed Arif	Project Manager	gayathri.t@kpriet.ac.in	L&T; Technologies and Services

Event Description

Department of Biomedical Engineering and BMESI has planned to organize an invited lecture on "Spectrum of Innovation and Career Potential in Biomedical Engineering". The lecture will be delivered by Er. Mohammed Arif, Project Manager, L&T Technologies and Services, Coimbatore on 14.09.2024 at 11.00 am.

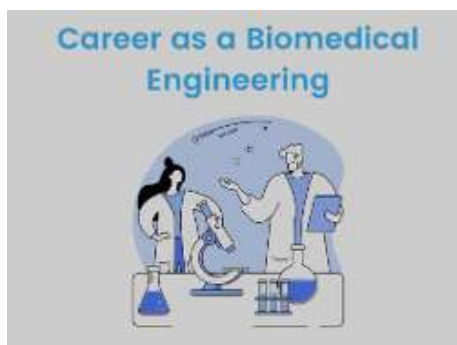
Actual Outcome and Report of the Event

Department of Biomedical Engineering and BMESI organized an invited lecture on "Spectrum of Innovation and Career Potential in Biomedical Engineering". The lecture was delivered by Er. Mohammed Arif, Project Manager, L&T Technologies and Services, Coimbatore on 14.09.2024 at 11.00 am. Totally 56 participants from the II, III and IV year BME attended the session. The resource person interacted with the students regarding the career opportunities available in the industries and gave insights about the preparation for interviews.

POSTER



WEBIMG



IMG1





Event No	BM/2024/010
Status	Closed
Name	Alumni Interaction
Date and Time	28-09-2024 02:00 PM to 04:00 PM
Mode	On Campus
Type	Alumni Activity
Level	Dept. Level
Organized For	Students
Related SDG	4: Quality Education, 9: Industry, Innovation and Infrastructure
Department	BM
Asso. Department	BMESI (BioMedical)
Venue	II BME
Faculty Internal Participants	6
Students Internal Participants	60

Staffs Involved

No	Full Name	Role
1	BME21 - Rajasingam N	Convenor
2	BME18 - Priya Darshini B	Co-convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Guest of Honour	Alumni	Batch 2017-21, 2018-22, 2019-23, 2020-24		KPRIET

Event Description

Alumni Interaction

Actual Outcome and Report of the Event

- Career Guidance
- Collaboration Opportunities
- Inspiration and Motivation
- Skill Sharing
- Networking Opportunities

POSTER



WEBIMG



IMG1



IMG2



Event No	BM/2024/014
Status	Closed
Name	MEDICAL DEVICES AND REGULATORY AFFAIRS
Date and Time	26-10-2024 11:00 AM to 01:00 PM
Mode	Hybrid
Type	Guest Lecture
Level	Dept. Level
Organized For	Others
Related SDG	3: Good Health and Well-being, 4: Quality Education
Department	BM
Asso. Department	BMESI (BioMedical)
Venue	Biomechanics laboratory
Other Participants	24

Staffs Involved

No	Full Name	Role
1	BME20 - KRISHNA KUMAR R	Convenor

Event Description

Department of Biomedical Engineering in association with BMESI has planned to conduct a lecture on Medical Device and Regulatory Affairs to the students of Biomedical Engineering on 26.10.2024 at 11.00 AM at Biomechanics Laboratory

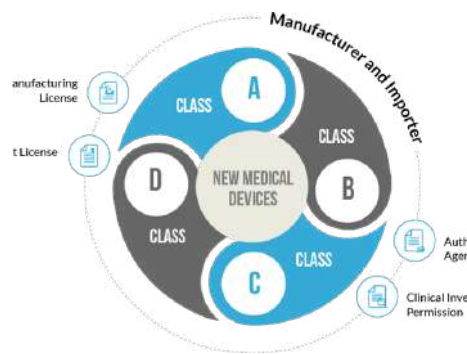
Actual Outcome and Report of the Event

Students have understood about the importance of Medical device regulation and ISO 13485 contents. The Department of Biomedical Engineering conducted a lecture on Medical Device and Regulatory Affairs. Mr. R. Krishna Kumar, Assistant Professor-I/BM had delivered the topic at III BME Classroom. The session provided the knowledge on Medical devices and its regulatory importance. The faculty had also highlighted ISO 13485 and the contents and clues of the regulation. The students from different streams have attended the lecture and gained insights on the same. The session was ended with Questions and Answers and the students provided feedback on the lecture for continuous improvement.

POSTER



WEBIMG



IMG1



IMG2



Event No	BM/2024/017
Status	Closed
Name	Imaging in Healthcare - Present and Future
Date and Time	24-10-2024 11:00 AM to 12:00 PM
Mode	On Campus
Type	Guest Lecture
Level	Dept. Level
Organized For	Students
Related SDG	3: Good Health and Well-being, 4: Quality Education
Department	BM
Involved Subject Hours	Hour 3, Hour 4
Faculty Internal Participants	9
Students Internal Participants	159

Staffs Involved

No	Full Name	Role
1	BME23 - SUDARVIZHI D	Coordinator

Resource Persons

Table with 6 columns: No, Type, Name, Designation, Email, Organization. Row 1: 1, Resource Person, Dr.N.Senthilkumar, Consultant Radiologist, senthilkumarn@gmail.com, Royal care Super specialty Hospital

POSTER

Poster for an expert lecture on 'Imaging in Healthcare: Present and Future' organized by the Department of Biomedical Engineering at KPR Institute of Engineering and Technology. The resource person is Dr. N. Senthilkumar, Consultant Radiologist at Royalcare Super Speciality Hospitals, Coimbatore. The event is on Oct 24, 2024, from 10:00AM to 12:30PM in Veena Hall.

IMG1



IMG2



WEBIMG



Event No	BM/2024/018
Status	Closed
Name	Medical Image Processing
Date and Time	23-01-2025 09:00 AM to 12:00 PM
Mode	On Campus
Type	Expert Talk
Level	Dept. Level
Organized For	Students
Related SDG	4: Quality Education
Department	BM
Involved Subject Hours	Hour 1, Hour 2, Hour 3
Venue	Biomechanics Laboratory
Other Participants	55

Staffs Involved

No	Full Name	Role
1	BME21 - Dr. RAJASINGAM N	Coordinator
2	EC079 - Dr. TAMILSELVAN K S	Convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Dr. Tobias Preckel	Professor	tobias.preckel@hs-pforzheim.de	Pforzheim Medical Engineering, University of Applied Sciences

Event Description

Department of Biomedical Engineering organize an expert talk by Dr. Tobias Preckel, Professor of Medical Engineering at Pforzheim University of Applied Sciences, Germany, on the topic of “Medical Image Processing.” The event will take place on January 23, 2025, at the Biomechanics Laboratory.

Actual Outcome and Report of the Event

- Understand the latest advancements and techniques in medical image processing
- Apply image processing techniques in medical robotics

POSTER



WEBIMG



IMG1



IMG2



Event No	BM/2024/022	
Status	Closed	
Name	Point-of-Care Diagnostics and Portable Medical Devices	
Date and Time	20-08-2024 02:00 PM to 04:00 PM	
Mode	On Campus	
Type	Competition	
Level	Dept. Level	
Organized For	Others	
Related SDG	4: Quality Education	
Department	BM	
Industry Participants	1	
Other Participants	75	

Staffs Involved

No	Full Name	Role
1	BM006 - Mr. BHARATH V	Convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	P.I NITHISH VIKKRAM	REGULATORY AFFAIRS SPECIALIST	nithishvikkram.pi@gmail.com	WIPRO SOLUTIONS

Actual Outcome and Report of the Event

Quality education, Placement opportunities

POSTER



IMG1



IMG2



Event No	BM/2024/023
Status	Closed
Name	TESTING AND CALIBRATION OF MEDICAL DEVICES
Date and Time	15-03-2025 09:00 AM to 01:00 PM
Mode	On Campus
Type	Workshop
Level	National
Organized For	Students
Related SDG	3: Good Health and Well-being, 4: Quality Education, 9: Industry, Innovation and Infrastructure
Department	BM
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4
Venue	Devices and Integrated Circuits Laboratory
Students External Participants	96

Staffs Involved

No	Full Name	Role
1	BME21 - RAJASINGAM N	Convenor
2	BME26 - NITISH KUMAR	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Senthil Kumar R	R&D; Manager	bmsmadras@gmail.com	Bharat Medical Systems
2	Resource Person	Lithyashree V	Product Specialist	lithyashree0201@gmail.com	Prashan Medical Technologies

Event Description

The Department of Biomedical Engineering proudly presents a Workshop on Testing and Calibration of Medical Devices under the theme "Learn, Innovate, and Master Cutting-Edge Biomedical Technologies". This hands-on workshop aims to equip participants with essential knowledge and practical skills in the testing, calibration, and quality assurance of medical devices.

Actual Outcome and Report of the Event

- Practical demonstrations on calibration techniques
- Hands-on training with advanced biomedical equipment
- Industry insights from expert professionals

WEBIMG



IMG1



IMG2



POSTER



Event No	BM/2024/030	
Status	Closed	
Name	SOLVE-A-THON	
Date and Time	31-08-2024 11:00 AM to 12:00 PM	
Mode	On Campus	
Type	Hackathon	
Level	Institute	
Organized For	Students	
Related SDG	17: Partnerships to achieve the Goal, 3: Good Health and Well-being, 4: Quality Education, 8: Decent Work and Economic Growth	
Department	BM	
Venue	BIOMECHANICS LABORATORY	
Students Internal Participants	26	

Staffs Involved

No	Full Name	Role
1	BME18 - Priya Darshini B	Convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Jury	R KRISHNA KUMAR	ASSISTANT PROFESSOR	KRISHNAKUMAR.R@KPRIET.AC.IN	KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY

Event Description

DEPARTMENT OF BIOMEDICAL ENGINEERING IN ASSOCIATION WITH MEDICOSAPIENS PLANNED TO CONDUCT SOLVE-A-THON FOR STUDENTS OF KPRIET ON 31.08.2024 AT 11AM

Actual Outcome and Report of the Event

Coding and Circuit Knowledge with relating to real-life problems has enhanced to the Students by this competition. Department of Biomedical Engineering conducted Solve-A-Thon event for Students of all branches of KPRIET. The Event started with delivery of instruction and the Questions with equal weightage to all the teams were provided. The teams were given one hour to complete the competition and Jury reviewed their work and evaluated based on four criteria. The final winner is announced immediately and awarded cash prize to the winner team.

POSTER



WEBIMG



IMG1



IMG2



Event No	BM/2024/031
Status	Closed
Name	DESIGN AND FABRICATION OF BIOMEDICAL CIRCUITS
Date and Time	11-11-2024 09:20 AM to 04:00 PM
Mode	On Campus
Type	One Credit Course (OCC)
Level	Dept. Level
Organized For	Students
Related SDG	4: Quality Education
Department	BM
Venue	III BME CLASSROOM
Industry Participants	3
Faculty Internal Participants	3
Students Internal Participants	75
Other Participants	75

Staffs Involved

No	Full Name	Role
1	BM006 - BHARATH V	Convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	S. RAJA	PRODUCT DEVELOPMENT ENGINEER	gururraja@gmail.com	SILICON SYSTEMS

Event Description

INDUSTRY ORIENTED ONE CREDIT COURSE ON DESIGN AND FABRICATION OF BIOMEDICAL CIRCUITS

Actual Outcome and Report of the Event

-

POSTER



IMG1



IMG2



Event No	BM/2024/032
Status	Closed
Name	The Power of Practical Experience: Alumni Insights on Applying Theory
Date and Time	19-10-2024 10:00 AM to 11:00 AM
Mode	On Campus
Type	Alumni Activity
Level	Dept. Level
Organized For	Students
Related SDG	4: Quality Education
Department	BM
Involved Subject Hours	Hour 2
Venue	III BME CLASSROOM
Industry Participants	2
Faculty Internal Participants	2
Students Internal Participants	35

Staffs Involved

No	Full Name	Role
1	BM006 - BHARATH V	Convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	B. BHUVANESWARI	TECHNICAL ANALYST	20bm006@kpriet.ac.in	ZIFO RnD SOLUTIONS

Event Description

ALUMNI TALK ABOUT The Power of Practical Experience: Alumni Insights on Applying Theory

Actual Outcome and Report of the Event

Students will gain insights into how theoretical knowledge is applied in real-world industry settings, helping them understand the relevance of their academic studies.

POSTER



IMG1



IMG2



Event No	BM/2024/033
Status	Closed
Name	Hackathon
Date and Time	07-11-2024 09:30 AM to 03:45 PM
Mode	On Campus
Type	Hackathon
Level	National
Organized For	Students
Related SDG	10: Reduced Inequality, 4: Quality Education
Department	BM
Asso. Department	BMESI (BioMedical), IEEE
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4, Hour 5, Hour 6, Hour 7
Venue	Veena Hall
Faculty External Participants	41

Staffs Involved

No	Full Name	Role
1	BM001 - ALLWYN GNANADAS A	Convenor
2	BME19 - ARUNKUMAR P	Coordinator
3	BME20 - KRISHNA KUMAR R	Co-convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Chief Guest	Ms.Nalini	Principal		Amrit center for special needs
2	Chief Guest	Mr.Shankar Subbaiah	Assistive Technology / ICT and Accessibility Consultant		Agate Infotek, Chennai

Actual Outcome and Report of the Event

Day 1: Workshop

The symposium began with a workshop on November 7, 2024, featuring keynote speaker Smt. Nalini Jayaprakash, Principal of the Amrit Centre for Special Needs in Coimbatore. Known for her dedication to children with special needs, she discussed strategies to foster independence and life skills in children with disabilities. Her session was well-received, as she shared practical approaches, including assistive devices to enhance communication and mobility. Participants found her insights motivational, gaining valuable understanding on how to create inclusive environments for children with disabilities. Following her session, Prof. Arun Kumar from KPRIET led an interactive session on "Design Thinking." This session introduced attendees to the core stages of design thinking—empathizing, defining, ideating, prototyping, and testing. Prof. Arun encouraged active engagement by inviting participants to share their thoughts on real-world challenges, reinforcing the relevance of design thinking in problem-solving.

The day concluded with a hands-on session on "Mobile App Development" led by Mr. S. Ganaprakash, a mobile application development expert. This session covered the essentials of app creation for Android, iOS, and cross-platform environments like Flutter. Participants explored UI/UX principles, frameworks, and backend tools like Firebase, laying a solid foundation for future app developers. The session was highly appreciated for providing practical insights and technical knowledge.

Day 2: Hackathon

The hackathon kicked off on November 8 at Raagam Hall, starting with an inaugural ceremony at 9:00 a.m. This segment of IGNUZ'24 encouraged participants to apply their skills to real-time challenges. The day included various technical and creative contests, such as a CAD modeling competition ("Sketch Sphere") and a paper presentation ("Paper Pioneer"), both of which tested participants' technical skills and innovation. Networking sessions throughout the day facilitated knowledge exchange among engineering students and mentors.

The participants were engaged in creative activities such as "Bridge Building" (Engineering Connections) and memory-based games, which emphasized teamwork and strategic thinking.

Day 3: Hackathon and Valedictory

The final day of the event, November 9, focused on completing and presenting projects. Participants demonstrated significant progress, and their work was evaluated by an esteemed jury Mr. Shankar Subbaih S, expertise in Assistive Technology, ICT, and Accessibility and a consultant with Agate Infotek in Chennai. Projects were assessed on creativity, technical depth, and practical application, making this a valuable learning experience for all participants. The valedictory ceremony took place at the DIC Lab, formally closing IGNUZ'24. The Principal of KPRIET Dr. D. Saravanan honored the winners and awarded cash prizes to outstanding teams in recognition of their dedication and achievements. The top three teams were awarded cash prizes: the first prize winner received ₹10,000, the second prize winner received ₹7,000, and the third prize winner received ₹5,000.

POSTER



Event No	BM/2024/034
Status	Closed
Name	Workshop on special needs for disabled children
Date and Time	07-11-2024 09:30 AM to 11:00 AM
Mode	On Campus
Type	Workshop
Level	National
Organized For	Students
Related SDG	4: Quality Education
Department	BM
Asso. Department	BMESI (BioMedical), IEEE
Involved Subject Hours	Hour 1, Hour 2
Venue	Veena Hall
Students External Participants	66

Staffs Involved

No	Full Name	Role
1	BM001 - ALLWYN GNANADAS A	Convenor
2	14254 - BHARATH V	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Mrs. Nalini Jayaprakash	Principal		Amrit centre for special needs

Actual Outcome and Report of the Event

The speaker, Smt. Nalini Jayaprakash, Principal of the Amrit Centre for Special Needs in Coimbatore, shared her extensive experience and insights on special needs education. Smt. Nalini, known for her dedication to enhancing the lives of children with special needs, spoke on the theme "Special Needs for Disabled Children." Her presentation commenced around 10 a.m. and lasted till 12.15 p.m. She covered several essential topics, starting with training methods designed to empower children with special needs by helping them develop critical life skills, independence, and confidence. She emphasised the importance of using assisting devices for the specific needs of each child, from basic aids to devices that support communication and mobility, enabling them to participate more fully in daily life. In addition to discussing technical devices, Smt. Nalini spoke on effective care techniques, offering advice on strategies for caring for children with different abilities to promote both their physical and emotional well-being. A particular focus was placed on encouraging physical activities that help children with special needs develop self-sufficiency and improve their overall health. Smt. Nalini addressing attendees' questions during an interactive oral Q&A session. Participants found her real-life examples and practical tips inspiring, laying a great foundation for upcoming hackathon events.

POSTER



Event No	BM/2024/035
Status	Closed
Name	Workshop on Design Thinking
Date and Time	07-11-2024 11:00 AM to 11:30 AM
Mode	On Campus
Type	Workshop
Level	National
Organized For	Students
Related SDG	4: Quality Education
Department	BM
Asso. Department	IEEE
Involved Subject Hours	Hour 3, Hour 4
Venue	Veena Hall
Faculty External Participants	66

Staffs Involved

No	Full Name	Role
1	BM001 - ALLWYN GNANADAS A	Convenor
2	BME19 - ARUNKUMAR P	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Chief Guest	Dr.Arunkumar	AP (III)		KPRIET

Event Description

Pre-Event Writeup: IGNUZ'24 Symposium on Education for Children with Special Needs

The Department of Biomedical Engineering at KPRIET, in collaboration with IEEE KPRIET EMBS Student Branch Chapter and the Biomedical Engineering Society of India, is set to host IGNUZ'24, a national-level symposium scheduled for November 7th to 9th, 2024. The event aims to raise awareness about the significance of education for children with special needs and explore innovative tools and strategies to create effective solutions for their unique challenges.

The symposium will attract around 75 participants, including external delegates, engineering students, and professors, all eager to broaden their knowledge and refine their approaches to supporting children with diverse abilities. IGNUZ'24 serves as a platform for fostering collaboration, sharing best practices, and inspiring the next generation of engineers to design impactful solutions tailored to the needs of differently-abled children.

Actual Outcome and Report of the Event

Participants gained a comprehensive understanding of the key stages of design thinking—empathising, defining, ideating, prototyping, and testing. The session fostered active participation, allowing attendees to share insights and perspectives on each stage of the design-thinking process.

WEBIMG



IMG1



IMG2



Table with 2 columns: Field (Event No, Status, Name, Date and Time, Mode, Type, Level, Organized For, Related SDG, Department, Asso. Department, Involved Subject Hours, Venue, Students External Participants) and Value (BM/2024/036, Closed, Workshop on "Mobile app development", 07-11-2024 | 02:00 PM to 03:25 PM, On Campus, Workshop, National, Students, 4: Quality Education, BM, IEEE, Hour 5, Hour 6, Veena Hall, 66).

Staffs Involved

Table with 3 columns: No, Full Name, Role. Row 1: 1, BM001 - ALLWYN GNANADAS A, Convenor.

Table with 3 columns: No, Full Name, Role. Row 1: 2, BME21 - RAJASINGAM N, Coordinator

Resource Persons

Table with 6 columns: No, Type, Name, Designation, Email, Organization. Row 1: 1, Resource Person, Mr.Gnanaprakash, Senior Software Engineer, , LTIMindtree (L&T;) Limited

Actual Outcome and Report of the Event

The workshop, titled "Mobile App Development," was conducted by Mr. S. Ganaprakash, a seasoned Android and hybrid mobile application developer with over nine years of experience in creating robust mobile applications. Skilled in Java, Kotlin, and hybrid frameworks like Cordova, Ionic, and Flutter, he has a solid background in implementing modern application architectures, including MVVM, MVC, and MVP. His expertise spans UI/UX principles, the creation of reusable SDK components, and the integration of various tools such as Firebase, Google Maps APIs, and Bluetooth libraries for IoT functionalities. The session took place from 2:30 p.m. to 3:30 p.m. This informative session focused on the key components of mobile app development, covering both native and hybrid app development frameworks. Participants were introduced to various programming tools, design fundamentals, and development architectures essential for building robust mobile applications. Mr. Ganaprakash began with an overview of native app development, distinguishing between platforms such as Android, iOS, and cross-platform development. He highlighted the primary languages used for each platform—Kotlin and Java for Android, Swift for iOS, and tools like Flutter and React Native for cross-platform applications. Development environments like Android Studio, Xcode, and VS Code were discussed as the primary IDEs for mobile app coding.

POSTER



IMG1



IMG2



Event No	BM/2024/037
Status	Closed
Name	Educational aids for special children
Date and Time	07-11-2024 09:00 AM to 04:10 PM
Mode	On Campus
Type	Hackathon
Level	National
Organized For	Others
Related SDG	10: Reduced Inequality, 4: Quality Education, 5: Gender Equality
Department	BM
Asso. Department	EMPS
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4, Hour 5, Hour 6, Hour 7
Venue	Veenal Hall and Integrated Circuits Lab
Faculty External Participants	66
Students External Participants	4

Staffs Involved

No	Full Name	Role
1	BM001 - ALLWYN GNANADAS A	Convenor
2	BME20 - KRISHNA KUMAR R	Co-convenor
3	BME18 - PRIYA DARSHINI B	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Chief Guest	Mr.Shankar Subbaiah	Assistive Technology / ICT and Accessibility Consultant		Agate Infotek, Chennai

Event Description

The hackathon on November 7-9 focused on developing innovative educational aids for special children, encouraging participants to design solutions that enhance interactive learning and real-time tracking. With workshops on the first day, the hackathon brought together tech enthusiasts to create apps and tools for smart exercise aids and engaging learning experiences. The event aimed to provide practical solutions to improve the educational experience for special children, combining creativity and technology.

Actual Outcome and Report of the Event

The event provided hands-on experience in designing apps and tools that support real-time tracking and personalized learning, demonstrating the potential of technology to create inclusive educational environments.

WEBIMG



IMG1



IMG2



Table with 2 columns: Field (Event No, Status, Name, Date and Time, Mode, Type, Level, Organized For, Related SDG, Department, Involved Subject Hours, Online Medium, Meeting Link, Other Participants) and Value.

Staffs Involved

Table with 3 columns: No, Full Name, Role. Row 1: 1, BME21 - RAJASINGAM N, Convenor.

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Dr. D. Geeta Anasuya	Professor, Department of Anatomy	geetagee1@gmail.com	KMCH Institute of Health Sciences and Research, Coimbatore

Event Description

The Department of Biomedical Engineering organized an expert talk titled "Exploring the Complex Anatomy of the Lungs: Structure, Function, and Clinical Insights" delivered by Dr. D. Geeta Anasuya, Professor, Department of Anatomy, KMCH Institute of Health Sciences and Research, Coimbatore. The talk was highly engaging, fostering an interactive learning environment where students and faculty had the opportunity to deepen their understanding of this critical organ system.

Actual Outcome and Report of the Event

Participants gained a detailed understanding of lung anatomy, including the macroscopic and microscopic structures such as lobes, bronchi, alveoli, and their spatial relationship.

The session elucidated the mechanisms of gas exchange, the role of the respiratory membrane, and the dynamics of oxygen and carbon dioxide transport.

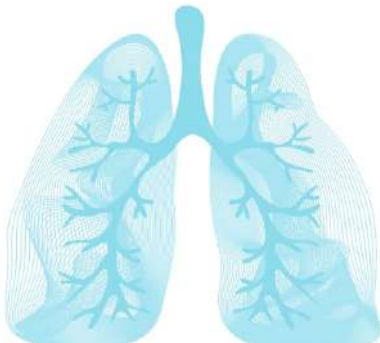
The talk bridged basic anatomical knowledge with clinical practice, helping attendees connect theoretical understanding with practical implications in healthcare settings.

Engaging discussions and Q&A sessions allowed participants to clarify doubts and apply knowledge to hypothetical scenarios.

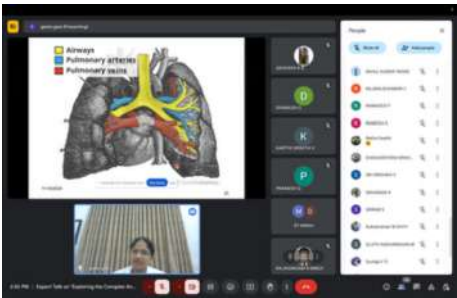
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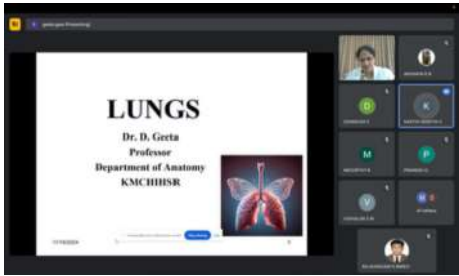
WEBIMG



IMG1



IMG2



Event No	BM/2024/071
Status	Closed
Name	Global Opportunities in Higher Education
Date and Time	29-11-2024 10:00 AM to 11:00 AM
Mode	Online
Type	Orientation
Level	Institute
Organized For	Students
Related SDG	4: Quality Education
Department	BM
Asso. Department	CAC
Online Medium	Google Meet
Meeting Link	https://meet.google.com/wud-wnxc-cop
Other Participants	58

Staffs Involved

No	Full Name	Role
1	BME21 - Dr. RAJASINGAM N	Convenor
2	BME07 - Dr. SREELATHA P	Co-convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Sonali Melwani	Head of Partnerships - Key Accounts, South Asia		Edvoy
2	Resource Person	Mohammed Nowfal	Priority Partner Manger		Edvoy
3	Resource Person	Sharon	Senior Executive - Partnership South Asia		Edvoy

Event Description

Department of Biomedical Engineering in association with Career Advancement Cell organise an orientation titled as "Global Opportunities in Higher Education" on 29.11.2024.

Actual Outcome and Report of the Event

- Identify international academic trends and opportunities.
- Explore scholarships, exchange programs, and funding options.
- Develop an action plan for pursuing global education goals.

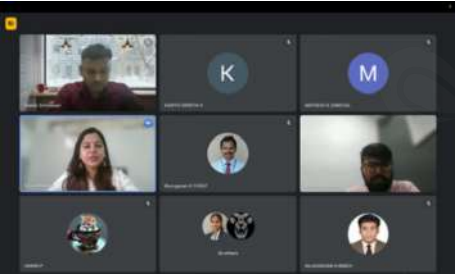
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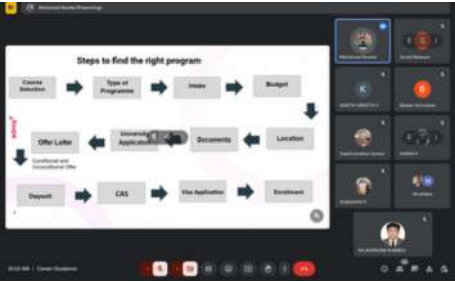
WEBIMG



IMG1



IMG2



Event No	BM/2024/072
Status	Closed
Name	Alumni Induction 2025
Date and Time	01-02-2025 02:00 PM to 04:30 PM
Mode	On Campus
Type	Alumni Activity
Level	Dept. Level
Organized For	Others
Related SDG	17: Partnerships to achieve the Goal, 4: Quality Education, 9: Industry, Innovation and Infrastructure
Department	BM
Venue	Biomechanics Laboratory
Other Participants	57

Staffs Involved

No	Full Name	Role
1	EC079 - Dr. TAMILSELVAN K S	Convenor
2	BME21 - Dr. RAJASINGAM N	Co-convenor

Event Description

Department of Biomedical Engineering cordially invites you to the Alumni Induction Program. Join us as we warmly welcome the Graduating class of 2024 into the esteemed circle of our alumni. Let's celebrate their achievements, share experiences, and strengthen the bonds of our alumni community.

Actual Outcome and Report of the Event

- Establishes connections among new alumni, fostering a sense of belonging and engagement with the institution.
- Provides alumni with access to mentorship, job placements, and professional growth through networking.
- Encourages alumni to contribute to the institution's reputation through testimonials, referrals, and collaborations.

POSTER



WEBIMG



IMG1



IMG2



Event No	BM/2024/073
Status	Closed
Name	Emerging Trends and Innovations in Biomedical Engineering: From Diagnostics to Marketable Solutions
Date and Time	27-01-2025 09:00 AM to 04:00 PM
Mode	Hybrid
Type	FDP
Level	International
Organized For	Teaching
Related SDG	4: Quality Education
Department	BM
Online Medium	Zoom
Meeting Link	https://zoom.us/j/97249099943?pwd=kbGbe7YcDX3EuBUrytYMy76ZY5YuSe.1
Faculty External Participants	14
Other Participants	5

Staffs Involved

No	Full Name	Role
1	BM001 - Dr. ALLWYN GNANADAS A	Convenor
2	BME19 - Dr. ARUNKUMAR P	Convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Prof. Dr. Tobias Preckel	Professor		Pforzheim University of Applied Sciences.
2	Resource Person	Ms. Kanimozhi	Assistant Professor		KPRIET
3	Resource Person	A.Allwyn Gnanadas	Assistant Professor - III	allwyn@kpriet.ac.in	KPRIET

Table with 6 columns: No, Type, Name, Designation, Email, Organization. It lists 6 resource persons from KPRIET, including Dr. P. Sreelatha, Dr. K. Murugan, Dr. S. Finney Daniel Shadrach, Dr. K.S. Tamilselvan, Dr. N. Rajasingam, and Dr. P. Arunkumar.

Event Description

This Faculty Development Program focuses on emerging trends in biomedical engineering, including advancements in diagnostics, medical imaging, and personalized medicine. Led by experienced faculty and an esteemed German professor, the sessions emphasize practical insights, research translation, and interdisciplinary collaboration.

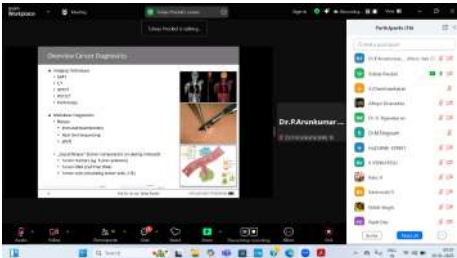
Actual Outcome and Report of the Event

The Faculty Development Program (FDP) on "Emerging Trends and Innovations in Biomedical Engineering: From Diagnostics to Marketable Solutions" was conducted from January 27 to January 31, 2025. The program aimed to explore advancements in biomedical diagnostics, cutting-edge innovations, and strategies for translating research into market-ready solutions.

WEBIMG



IMG1



IMG2



Event No	BM/2024/074
Status	Closed
Name	Alumni Talk on "Establishing a Foundation for a Career in Healthcare"
Date and Time	22-02-2025 12:00 PM to 01:00 PM
Mode	On Campus
Type	Alumni Activity
Level	Dept. Level
Organized For	Students
Related SDG	3: Good Health and Well-being, 4: Quality Education
Department	BM
Asso. Department	OAR
Involved Subject Hours	Hour 4
Venue	II BME
Other Participants	75

Staffs Involved

No	Full Name	Role
1	BME21 - Dr. RAJASINGAM N	Convenor
2	BM001 - Dr. ALLWYN GNANADAS A	Co-convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	G Prasanth	Biomedical Engineer	prasanthvijay1212@gmail.com	Royal Care Multispeciality Hospital

Event Description

The Department of Biomedical Engineering pleased to invite you to an engaging Alumni Talk on Establishing a Foundation for a Career in Healthcare at II BME Class room on 22.02.2025 at 12.00 pm.

Actual Outcome and Report of the Event

Participants gained insights into various career paths in healthcare, including clinical and non-clinical roles. Participants connected with experienced professionals and alumni for mentorship and career guidance. Real-world experiences shared by alumni provided practical knowledge on navigating the healthcare field.

POSTER



WEBIMG



IMG1



IMG2



Table with 2 columns: Field (Event No, Status, Name, Date and Time, Mode, Type, Level, Organized For, Related SDG, Department, Asso. Department, Involved Subject Hours, Students External Participants) and Value (BM/2024/075, Closed, National Heart Valve Disease Awareness Day Quiz, 22-02-2025 | 09:00 AM to 05:00 PM, Online, Quiz, National, Students, 3: Good Health and Well-being, 4: Quality Education, BM, IEEE, Hour 1, Hour 2, Hour 3, Hour 4, Hour 5, Hour 6, Hour 7, 66).

Staffs Involved

Table with 3 columns: No, Full Name, Role. Row 1: 1, BM001 - Dr. ALLWYN GNANADAS A, Convenor.

Event Description

Events

KPR Institute of Engineering and Technology

A quiz to create awareness on the importance of heart valve. This is conducted on the National Heart valve day - 22/02/2025

Actual Outcome and Report of the Event

The attendees were provided with a comprehensive awareness session on the significance of heart valves and their crucial role in the circulatory system. As part of this initiative, they were engaged in an interactive learning experience that included a basic quiz on heart valve functions. This quiz served as an educational tool to reinforce key concepts about the anatomy, types, and functions of heart valves, as well as common disorders associated with them. By actively participating in the quiz, attendees were able to enhance their understanding of the topic in an engaging and informative manner.

POSTER



WEBIMG



IMG1



Event No	BM/2024/076
Status	Closed
Name	Reverse Engineering in Biomedical Devices: A Hands-On Workshop on Ventilators
Date and Time	22-03-2025 09:30 AM to 04:00 PM
Mode	On Campus
Type	Workshop
Level	State
Organized For	Students
Related SDG	17: Partnerships to achieve the Goal, 3: Good Health and Well-being, 4: Quality Education
Department	BM
Asso. Department	IEEE
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4, Hour 5, Hour 6, Hour 7
Venue	Biomechanics Laboratory
Registration Link	https://forms.gle/NxJm18MhLkUq7K448
Details Link	https://kpriet.ac.in/happenings/3225/reverse-engineering-in-biomedical-devices-a-hands-on-workshop-on-ventilators
Students External Participants	34

Staffs Involved

No	Full Name	Role
1	BM001 - Dr. ALLWYN GNANADAS A	Convenor
2	BME19 - Dr. ARUNKUMAR P	Co-convenor

Event Description

This is an IEEE EMBS-sponsored workshop to teach the students the entirety of the ventilator, starting from the basic components to the functionality. This will be a hands-on exercise where the students will individually work on the equipment.

Actual Outcome and Report of the Event

The students learned the basics of ventilators, the theory aspects, the simulation and the real time hands on experience as well in this workshop

POSTER



WEBIMG



Event No	BM/2024/077
Status	Closed
Name	Med-Innovate: Disrupting Healthcare Ideas
Date and Time	03-03-2025 09:00 AM to 06:30 PM
Mode	Online
Type	Presentation
Level	National
Organized For	Students
Related SDG	9: Industry, Innovation and Infrastructure
Department	BM
Asso. Department	IEEE
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4, Hour 5, Hour 6, Hour 7
Students External Participants	109
Other Participants	21

Staffs Involved

No	Full Name	Role
1	BM001 - Dr. ALLWYN GNANADAS A	Convenor
2	BME21 - Dr. RAJASINGAM N	Co-convenor

Event Description

Join us as we celebrate IEEE EMBS DAY 2025 with an exciting challenge that brings together the brightest minds to redefine the future of healthcare! This year, we invite innovative thinkers and problem-solvers to showcase their AI-driven healthcare solutions in a unique 3-slide PowerPoint presentation competition.

POSTER



WEBIMG



Event No	BM/2024/078
Status	Closed
Name	Poster Presentation
Date and Time	15-03-2025 09:00 AM to 01:00 PM
Mode	On Campus
Type	Symposium
Level	Dept. Level
Organized For	Students
Related SDG	4: Quality Education
Department	BM
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4
Venue	III BME Classroom
Industry Participants	1
Faculty External Participants	2
Students External Participants	18
Other Participants	2

Staffs Involved

No	Full Name	Role
1	BME19 - ARUNKUMAR P	Coordinator

Event Description

The Poster Presentation Event at Fiestaa 25 in Biomedical Engineering is an exciting platform for students and researchers to showcase their innovative ideas and cutting-edge research. Participants will present visually engaging posters on topics like medical devices, biomechanics, bioinformatics, and healthcare advancements. This event encourages knowledge exchange, critical discussions, and networking among peers and experts in the field. Judges will evaluate the posters based on clarity, innovation, and impact on biomedical sciences. Join us to witness groundbreaking research and be part of the future of biomedical engineering!

Actual Outcome and Report of the Event

The poster presentation effectively communicated key research findings to a diverse audience. Attendees engaged with the content through questions and feedback, indicating strong interest and understanding. The session enhanced the presenter's communication skills and provided valuable networking opportunities.

POSTER



WEBIMG



IMG1



IMG2



Event No	BM/2024/079
Status	Closed
Name	Paper Presentation
Date and Time	14-03-2025 09:00 AM to 02:00 PM
Mode	On Campus
Type	Competition
Level	National
Organized For	Students
Related SDG	4: Quality Education
Department	BM
Asso. Department	BMESI (BioMedical)
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4, Hour 5
Venue	I ECE A
Students External Participants	220

Staffs Involved

No	Full Name	Role
1	BME07 - SREELATHA P	Convenor
2	BME28 - PINKI DEY	Co-convenor

Event Description

This platform offers students, researchers, and professionals a unique opportunity to showcase their innovative ideas, research findings, and technological advancements in this rapidly evolving discipline.

Highlights of the Event:

Cutting-Edge Topics: Explore themes such as medical imaging, bioinformatics, prosthetics, tissue engineering, and more.

Expert Panel: Present your work to a distinguished panel of academicians and industry leaders.

Networking Opportunities: Connect with peers, mentors, and professionals from across the country.

Awards and Recognition: Compete for prestigious awards and gain recognition for your contributions to the field.

This event aims to foster creativity, collaboration, and knowledge-sharing among participants, paving the way for advancements in healthcare and technology.

Actual Outcome and Report of the Event

The Biomedical Engineering Department successfully conducted an engaging and intellectually stimulating paper presentation competition as part of its annual event, FIESTA. The event witnessed enthusiastic participation from students across various departments, showcasing innovative ideas, cutting-edge research, and creative problem-solving skills in the field of biomedical engineering.

A panel of esteemed judges evaluated the presentations based on originality, relevance, clarity, and practical application. After a rigorous assessment, three outstanding participants emerged as winners, earning accolades and prizes for their remarkable contributions:

The event not only celebrated academic excellence but also fostered collaboration and knowledge sharing among aspiring biomedical engineers. It served as a platform to inspire innovation and encourage students to contribute meaningfully to the advancement of healthcare and technology.

POSTER



WEBIMG



Event No	BM/2024/080
Status	Closed
Name	FIESTAA'25
Date and Time	14-03-2025 09:00 AM to 01:00 PM
Mode	On Campus
Type	Competition
Level	National
Organized For	Students
Related SDG	4: Quality Education, 9: Industry, Innovation and Infrastructure
Department	BM
Asso. Department	BMESI (BioMedical)
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4
Venue	Biomedical Department
Students External Participants	320

Staffs Involved

No	Full Name	Role
1	BME27 - KANIMOZHI S	Coordinator
2	EC079 - TAMILSELVAN K S	Coordinator

Event Description

Events

KPR Institute of Engineering and Technology



FIESSTAA'25 is a vibrant and highly anticipated cultural event hosted annually at KPRIET. FIESSTAA'25 promises an exciting lineup of six competitive events, each designed to showcase the talents and creativity of participants. The event provides a platform for students to engage in intellectual discussions, exhibit innovative projects, and enhance their skills through workshops and presentations.

Day 1 (14-03-2025) Events:

Project Presentation - A competition for students to present their technical or creative projects, offering them the opportunity to demonstrate their problem-solving skills and project development.

Paper Presentation - A formal platform for participants to present their research findings or ideas, fostering academic discourse and knowledge-sharing.

Biosprint - A dynamic event focusing on bio-related topics, encouraging participants to present their thoughts, solutions, or innovations in the biological sciences.

Day 2 (15-03-2025) Events:

Poster Presentation - A creative and visual display of innovative ideas, where participants showcase their research, projects, or social topics through visually appealing posters.

Medthinker - A thought-provoking event where participants present medical or health-related innovations, challenges, or solutions, sparking discussions about advancements in healthcare.

Workshop - A hands-on session focusing on skill development in various fields, offering participants the chance to learn from experts in a practical environment.

POSTER



WEBIMG



IMG1



IMG2



Event No	BM/2024/102
Status	Closed
Name	Innovations at the Crossroads: Emerging Technologies in Advanced Computing
Date and Time	22-04-2025 01:30 PM to 03:00 PM
Mode	On Campus
Type	Expert Talk
Level	Dept. Level
Organized For	Students
Related SDG	4: Quality Education, 9: Industry, Innovation and Infrastructure
Department	BM
Asso. Department	CDC
Involved Subject Hours	Hour 5, Hour 6
Venue	BIOMECHANICS LABORATORY
Other Participants	33

Staffs Involved

No	Full Name	Role
1	BME21 - RAJASINGAM N	Convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Mr. Senthilraj Balakrishnan	AI & Data Science Solutions-Lead, Advanced Computing Solutions Group	b.senthilraj@hp.com	Hewlett Packard Inc

Event Description

Department of Biomedical Engineering organises an enlightening session on Emerging Technologies in Advanced Computing led by Mr. Senthilraj Balakrishnan, a distinguished leader in AI and Data Science at Hewlett Packard Inc. This talk will explore the latest breakthroughs and transformative innovations at the intersection of artificial intelligence, data science, and next-generation computing architectures. Gain insights into how these emerging technologies are shaping industries, redefining possibilities, and paving the way for future advancements. Ideal for professionals, researchers, and students keen on staying ahead in the dynamic world of advanced computing

Actual Outcome and Report of the Event

Participants gained a comprehensive understanding of emerging trends in AI, data science, and advanced computing infrastructures. Exposure to real-world use cases and industry applications encouraged participants to explore and enhance their technical competencies. Students received valuable career advice regarding skills in demand, tools, certifications, and areas of future growth in advanced computing fields.

Events

KPR Institute of Engineering and Technology



POSTER



WEBIMG



IMG1



IMG2



Event No	BM/2024/104
Status	Closed
Name	Application of AI in Healthcare Sector
Date and Time	08-05-2025 02:00 PM to 04:00 PM
Mode	On Campus
Type	Expert Talk
Level	Dept. Level
Organized For	Students
Related SDG	3: Good Health and Well-being, 4: Quality Education
Department	BM
Asso. Department	Yi ?Yuva Club
Involved Subject Hours	Hour 5, Hour 6, Hour 7
Venue	II BME
Industry Participants	1
Faculty External Participants	1
Students External Participants	1
Other Participants	1

Staffs Involved

No	Full Name	Role
1	BME19 - ARUNKUMAR P	Convenor
2	CE080 - LOGESWARAN S	Convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Dr Vamsi	Consultant Gastroenterologist		VGM Hospitals

Event Description

Join us for an insightful session on the Application of AI in the Healthcare Sector by Dr. Vamsi, a renowned consultant gastroenterologist. The event will explore how AI is revolutionizing diagnostics, treatment planning, and patient care. Dr. Vamsi will share real-world experiences and future prospects of AI in clinical practice. This engaging talk is scheduled for May 8, 2025, at 2:00 PM.

Actual Outcome and Report of the Event

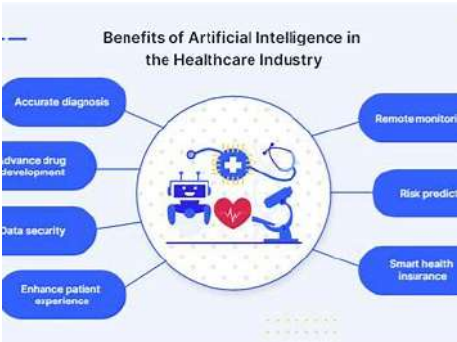
A guest lecture session was organized on 8th May 2025 for the second-year Biomedical Engineering students, aiming to provide valuable insights into the advancements and emerging trends in the biomedical and data science fields. The event featured two eminent speakers who shared their expertise and highlighted the intersection of healthcare and technology. Key highlights of his talk included:

- Nanobots and their role in targeted drug delivery
- Wearable health monitors for continuous patient tracking
- 3D Bioprinting for organ and tissue fabrication
- AI-assisted diagnostics improving accuracy and speed in medical decisions

POSTER



WEBIMG



IMG1



Event No	BM/2024/105
Status	Closed
Name	Tryengineering
Date and Time	10-05-2025 11:00 AM to 01:00 PM
Mode	On Campus
Type	Workshop
Level	Institute
Organized For	Students
Related SDG	4: Quality Education
Department	BM
Asso. Department	IEEE
Involved Subject Hours	Hour 3, Hour 4, Hour 5
Venue	DIC lab
Other Participants	12

Staffs Involved

Table with 3 columns: No, Full Name, Role. Row 1: 1, BM001 - ALLWYN GNANADAS A, Convenor

Event Description

? Ready to Ignite Your Engineering Journey?
Join us for Try Engineering 2025, proudly presented by IEEE EMBS KPRIET SBC !
This is your chance to dive into the world of innovation with a high-energy, hands-on experience that blends discovery, design, and real-time experimentation.
? Date: May 10, 2025
? Venue: DIC Lab
? No registration fee!
Who can join?
All KPRIETians, from any department or year! No experience needed – just a spark of interest and a drive to explore.
Whether you're a budding inventor or just want to understand how engineering shapes the world around you, Try Engineering 2025 is your platform to experiment, collaborate, and innovate.
? Limited slots available – secure your spot now!
Let's build, break, learn, and lead - together. See you there! ?

Actual Outcome and Report of the Event

The students learnt engineering by practice and witnessed the magic behind reverb the simple electronics

Table with 2 columns: Field, Value. Fields include Event No, Status, Name, Date and Time, Mode, Type, Level, Organized For, Related SDG, Department, Involved Subject Hours, Venue, Industry Participants.

Staffs Involved

Table with 3 columns: No, Full Name, Role. Row 1: 1, BME23 - SUDARVIZHI D, Convenor

Resource Persons

Table with 6 columns: No, Type, Name, Designation, Email, Organization. Row 1: 1, Resource Person, Mr.K.Gowtham Kumar, Data Engineer, smtechsols@gmail.com, SM Tech Solutions, coimbatore

Event Description

MEDICAL CODING FOR BIOMEDICAL ENGINEERS Organized by Dr.D.Sudarvizhi and conducted by the Industry expert Mr.K.Gowtham kumar Data Engineer SM Tech solutions Coimbatore. He covered all the hands on training on the nuances of medical coding and online key searching assessments inside the class.

Actual Outcome and Report of the Event

The total students are 71.
While biomedical engineers don't directly engage in medical coding, their skills and knowledge can be beneficial in related fields. Medical coding involves translating medical records into standardized codes for billing and insurance purposes, while biomedical engineers focus on the design, development, and maintenance of medical devices and technologies.
Here's a more detailed breakdown:
Medical Coding:
Role:
Medical coders analyze medical reports, diagnoses, procedures, and prescriptions to assign specific codes for billing and insurance claims.
Importance:
Accurate coding is crucial for proper reimbursement and efficient healthcare operations.
Skills:
Requires a strong understanding of medical terminology, anatomy, physiology, and coding guidelines (e.g., ICD-10, CPT).
Biomedical Engineering:
Role: Biomedical engineers apply engineering principles to design and develop solutions for healthcare problems, including medical devices, biomaterials, and imaging technologies.
Focus: Improving healthcare outcomes through technological advancements.
Skills: Requires expertise in engineering disciplines, physics, chemistry, biology, and computer science.

Event No	BM/2024/107
Status	Closed
Name	DEEP LEARNING IN BIOMEDICAL IMAGING
Date and Time	15-04-2025 09:00 AM to 04:20 PM
Mode	On Campus
Type	One Credit Course (OCC)
Level	Dept. Level
Organized For	Students
Related SDG	3: Good Health and Well-being, 4: Quality Education
Department	BM
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4, Hour 5, Hour 6, Hour 7
Venue	II BME CLASSROOM
Industry Participants	2

Staffs Involved

No	Full Name	Role
1	BME23 - SUDARVIZHI D	Convenor
2	BME19 - ARUNKUMAR P	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Mr.K.Gowtham kumar	Data Engineer	smtechsols@gmail.com	SM Tech sols coimbatore
2	Resource Person	Ms Madhushree natraj	Data Analyst	smtechsols@gmail.com	SM Tech solutions

Event Description

DEEP LEARNING IN BIOMEDICAL IMAGING Organized by Dr.D.Sudarvizhi Associate Professor / BME and the industry experts were Mr.K.Gowtham kumar Data Engineer SM Tech sols cbe and Ms.Madhushree Natraj Data Analyst SM Tech sols coimbatore.

Actual Outcome and Report of the Event

- 1. Image ClassificationDetecting diseases (e.g., pneumonia from chest X-rays, tumors from MRI).
Tools: CNNs (Convolutional Neural Networks), ResNet, EfficientNet.
- 2. Image SegmentationSeparating anatomical structures or pathological regions (e.g., tumor boundaries).
Tools: U-Net, Mask R-CNN, DeepLab.
- 3. Image RegistrationAligning images taken at different times or from different angles/modalities.
Tools: VoxelMorph, spatial transformer networks.
- 4. Object DetectionIdentifying regions of interest (e.g., polyps, nodules).
Tools: YOLO, Faster R-CNN.
- 5. Image ReconstructionEnhancing image quality, reducing noise, or reconstructing from raw data.
Tools: Deep convolutional autoencoders, GANs.
- 6. Disease Prediction/DiagnosisEnd-to-end models for diagnosis support.
Tools: Ensemble networks, hybrid DL and radiomics approaches.

Table with 2 columns: Field (Event No, Status, Name, Date and Time, Mode, Type, Level, Organized For, Related SDG, Department, Involved Subject Hours, Venue, Industry Participants, Other Participants) and Value (BM/2024/108, Closed, Blue print to Bedside, 03-05-2025 | 09:00 AM to 04:18 PM, On Campus, Guest Lecture, Dept. Level, Students, 3: Good Health and Well-being, 4: Quality Education, 5: Gender Equality, 6: Clean Water and Sanitation, BM, Hour 2, Hour 3, Hour 4, II BME IIIBME CLASSROOM, 2, 155).

Staffs Involved

Table with 3 columns: No, Full Name, Role. Rows include coordinators BME23 - SUDARVIZHI D and 21BM018 - KANIMOZHI J.

Event No	BM/2024/109
Status	Closed
Name	EXECUTIVE DEVELOPMENT PROGRAMME
Date and Time	12-02-2025 09:00 AM to 04:20 PM
Mode	On Campus
Type	Orientation
Level	Dept. Level
Organized For	Others
Related SDG	1: No Poverty, 2: Zero Hunger, 3: Good Health and Well-being, 4: Quality Education, 5: Gender Equality, 8: Decent Work and Economic Growth, 9: Industry, Innovation and Infrastructure
Department	BM
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4, Hour 5, Hour 6, Hour 7
Venue	RAGAM HALL
Industry Participants	283

Staffs Involved

No	Full Name	Role
1	BME23 - SUDARVIZHI D	Convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Chief Guest	Dr.Ravikumar	Secretary	ravikumarcpc@gmail.com	cpc cbe

Event No	BM/2024/110
Status	Closed
Name	Family meet'25
Date and Time	10-02-2025 08:06 AM to 06:06 PM
Mode	Off Campus
Type	Sports
Level	Institute
Organized For	KPRIET
Related SDG	15: Life on Land, 16: Peace and Justice Strong Institutions, 3: Good Health and Well-being, 6: Clean Water and Sanitation
Department	BM
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4, Hour 5, Hour 6, Hour 7
Venue	Darza luxury resorts
Other Participants	789

Staffs Involved

No	Full Name	Role
1	BME23 - SUDARVIZHI D	Convenor

Event No	BM/2024/111
Status	Closed
Name	Guest Lecture on Numpy and Pandas
Date and Time	21-05-2025 10:00 AM to 04:00 PM
Mode	On Campus
Type	Guest Lecture
Level	Dept. Level
Organized For	Students
Related SDG	4: Quality Education, 9: Industry, Innovation and Infrastructure
Department	BM
Involved Subject Hours	Hour 5, Hour 6, Hour 7
Venue	Python Lab
Other Participants	74

Staffs Involved

No	Full Name	Role
1	BME27 - KANIMOZHI S	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Pavithran R	Project Manager		Robert Bosch India Private Limited

Event Description

Department of Biomedical Engineering organizing the guest lecture on numpy and pandas. The lecture is given by pavithran

POSTER



WEBIMG



IMG1



Event No	BM/2024/112
Status	Closed
Name	Core Training
Date and Time	27-06-2025 09:00 AM to 04:00 PM
Mode	On Campus
Type	STTP
Level	Dept. Level
Organized For	Students
Related SDG	4: Quality Education
Department	BM
Involved Subject Hours	Hour 1, Hour 2, Hour 3, Hour 4, Hour 5, Hour 6, Hour 7
Other Participants	30

Staffs Involved

No	Full Name	Role
1	BME07 - SREELATHA P	Convenor

Event Description

CORE TRAINING

Actual Outcome and Report of the Event

INSIGHT ON SIGNALS AND SYSTEMS CORE TOPICS

Event No	BM/2024/113
Status	Closed
Name	National quiz on hypertension
Date and Time	17-05-2025 06:00 PM to 09:00 PM
Mode	Online
Type	Quiz
Level	National
Organized For	Students
Related SDG	3: Good Health and Well-being, 4: Quality Education
Department	BM
Asso. Department	IEEE
Students External Participants	250
Other Participants	250

Staffs Involved

No	Full Name	Role
1	BM001 - ALLWYN GNANADAS A	Convenor
2	BME29 - KRISHNA KUMAR R	Co-convenor

Event Description

As part of the World Hypertension Day, IEEE Engineering in Medicine and Biology Society (EMBS) Student Chapter at KPR Institute of Engineering and Technology organized a National-Level Quiz Competition on Hypertension.

Actual Outcome and Report of the Event

As part of the World Hypertension Day, IEEE Engineering in Medicine and Biology Society (EMBS) Student Chapter at KPR Institute of Engineering and Technology organized a National-Level Quiz Competition on Hypertension. The event was conducted with the objective of increasing awareness and promoting a deeper understanding of hypertension often referred to as the "silent killer" among undergraduate and postgraduate students from biomedical and allied health sciences backgrounds.

The quiz was held in two competitive rounds, conducted entirely online to ensure maximum outreach and participation across the country. The first round took place on the interactive platform Quizizz, and comprised 25 objective-type questions that tested participants on fundamental concepts, including the pathophysiology of hypertension, diagnostic criteria, global health guidelines, dietary recommendations, and current preventive strategies.

The event garnered an overwhelming response with 250+ registrations from students representing multiple institutions across India. Out of these, the top 54 scorers were shortlisted for Round 2, which presented a more technical and clinically oriented set of questions. This final round challenged participants to apply biomedical concepts in analyzing scenarios related to blood pressure regulation, pharmacological interventions, and emerging technologies in hypertension management.

The quiz not only served as a knowledge-enhancing platform but also aligned with the objectives of World Hypertension Day 2025 by reinforcing the theme, "Measure Your Blood Pressure Accurately, Control It, Live Longer."

At the end of the competition, 11 winners were selected based on their overall performance across both rounds. These top scorers demonstrated exceptional knowledge, technical understanding, and quick analytical thinking in the field of hypertension and biomedical science. Their achievement was recognized with certificates and accolades, marking them as standout participants among over 250 contenders from across the nation.

Overall, the event was a resounding success and reflected the enthusiastic participation and academic curiosity of students nationwide, while effectively contributing to community health education and biomedical awareness.

POSTER



*** End of Statement ***

