

B M E NEWSLETTER

VOL 2, DEC 2021 ISSUE



EDITOR IN CHIEF
DR. D. GANESH KUMAR
HOD/BIO MEDICAL ENGINEERING

HOD Message

Dr.D.GaneshKumar

Head of the Department

Department Of Biomedical Engineer



"We are Engineers for Doctors"

Biomedical Engineering is one of the premier Engineering disciplines among technocrats since it merges Healthcare Technology with Electronics and Software technologies including Artificial Intelligence, Machine Learning, Robotics in Medicine, Bioinformatics, Prosthetic Engineering etc to serve better to the human community with advance and continuously upgrading technologies. In KPRIET, we nourish our students with advance laboratories like Biosignal processing, Diagnostics and Therapeutic Equipment, Human Anatomy and Physiology, Biomedical Instrumentation to learn by practicing.

Hospital training and internship are arranged with leading multispeciality hospitals and biomedical industries to facilitate the students for better career. Research activities are vibrant with publications and patents in the recent trends.

Editorial Member

CHIEF PATRON

Sri. K. P. Ramasamy, Chairman, KPRIET

PATRON

Dr. Akila Muthuramalingam, Principal, KPRIET

PRESIDENT

Dr. D. Ganeshkumar, HoD, KPRIET

FACULTY COORDINATOR

Ms. S. Saranya Devi (AP/BME)

SECRETARY

Saravanakumar.S
IV-BME

TREASURER

Keerthana.M
III-BME

CHIEF EDITOR

Shwetha.A.K
II-BME

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Prepared by
S Saranya Devi, AP/BME
Newsletter coordinator

VISION

Be at the forefront in providing multidisciplinary education in engineering, technology and biological sciences, thereby providing our students, the future engineering professionals with the skills required to develop avant-garde devices and technologies to assist medical professionals in providing exceptional healthcare.

MISSION

The Mission of the Department is to

- ❖ Establish new teaching paradigms to converge biomedical engineering education to unveil creativity and innovation in clinical health care.
- ❖ Build an integrated team of biomedical engineering community to nurture cutting-edge technologies through research and development.
- ❖ Collaborate and promote partnership with healthcare industry to enrich employability skills and be in phase with their progress.
- ❖ Impart moral values, inculcate ethical behaviour and practice life-learning.

Webinar



Engineering and Technology
IIT BHU (INDIAN INSTITUTE OF TECHNOLOGY)

IBSC
INDIAN INSTITUTE OF BIOMEDICAL SCIENCES

DEPARTMENT OF BIOMEDICAL ENGINEERING AND
CAREER ADVANCEMENT CELL
organizes
a webinar on
"Crack GATE - Tips & Tricks"

Date and time: 23.01.2021, 11:00 AM



ANJU ELIZABETH THOMAS
Research Associate, Evaluoserve Pvt.
Ltd., Gurgaon

Google meet ID: meet.google.com/nju-wmwu-bwu

Faculty coordinator name
Ms. Rajeshwari R AP/BME
9592188445

Crack GATE - Tips & Tricks

Coordinator : **Rajeshwari R AP (Sr.G) / BME**



Ms. ANJU ELIZABETH THOMAS
M.Tech in Biomedical Engineering IIT(BHU),



23.1.2021 (Saturday)



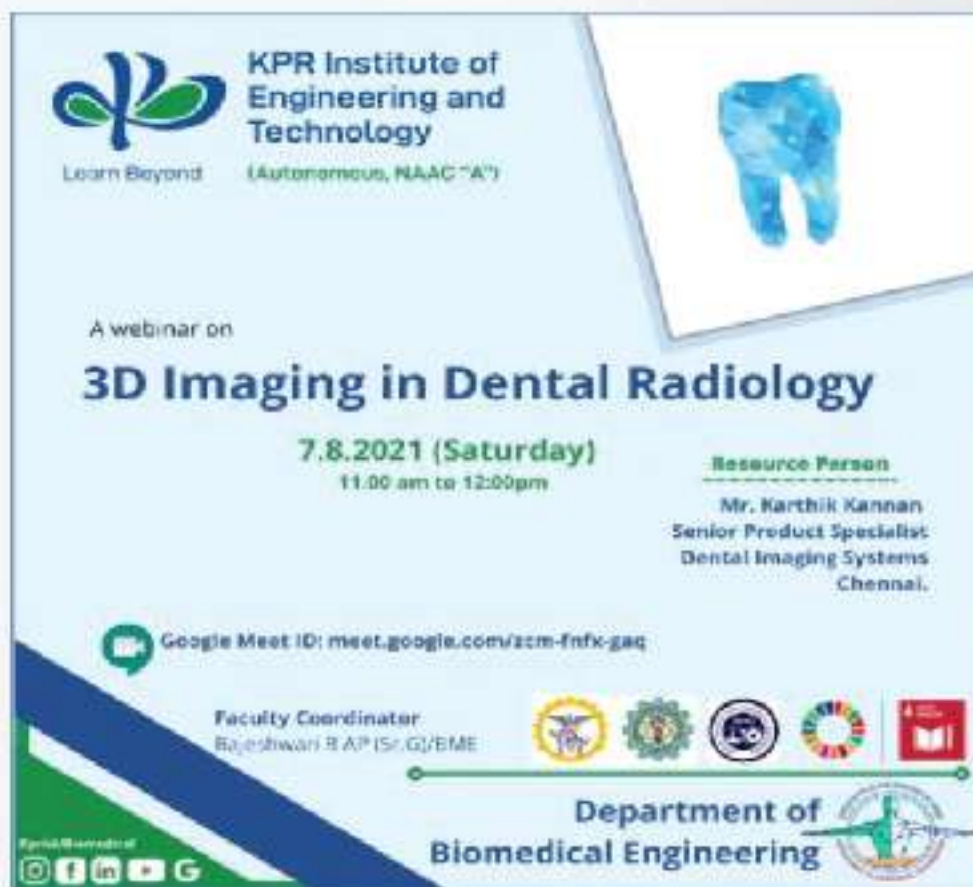
52



The resource person , explained the GATE syllabus both old and new and also briefed about the important topics to be focused in all domains. she also gave an insight on time management and standard books to be followed.

Webinar

3



KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")

A webinar on
3D Imaging in Dental Radiology
7.8.2021 (Saturday)
11.00 am to 12:00pm

Resource Person
Mr. Karthik Kannan
Senior Product Specialist
Dental Imaging Systems
Chennai.

Google Meet ID: meet.google.com/zcm-fnfx-gaq

Faculty Coordinator:
Rajeshwari B AP (Sr.G)/BME

Department of Biomedical Engineering

Logos: KPR Institute of Engineering and Technology, various accreditation bodies, and social media icons.


Brain Computer Interface

Coordinator : Dr. T. Gayathri, AP (SI.G), BME

 **Mr. R.Jishnu, Technical Lead, Pantech Elearning**

 **23.08.2021**

 **81**

 **The session aimed at understanding the methods to interface the brain signal with the external device.**

The session started with the basics of EEG signals, placement of the electrodes and the different brain waves.

The acquisition of the EEG signals using Brain Sense and the transmission of the signals were explained clearly with the demonstration.

Various software for interpretation of brain waves such as NeuroView, Neuro Experimenter and Brain Wave Visualizer were also clearly explained.

Webinar

DEPARTMENT OF BIOMEDICAL ENGINEERING
in collaboration with
KPR MEDICAL CENTRE
Organizes a Webinar on
BRAIN COMPUTER INTERFACE
23 Aug 2021 | Monday, 2:30-3:30 pm.

Meeting ID:
897 2773 0097
Passcode:
060329

Resource person
Mr Jishnu R
Team Lead - Pantech eLearning


Faculty coordinator
Dr. T. Gayathri, AP (SI.G), BME

Convener
Dr. P. Seelatha, Associate Prof/BME

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous NAAC 'B')

Brain Computer Interface

Coordinator :Dr. T. Gayathri, AP (SI.G), BME

 Mr. R.Jishnu, Technical Lead, Pantech Elearning

 23.08.2021

 81

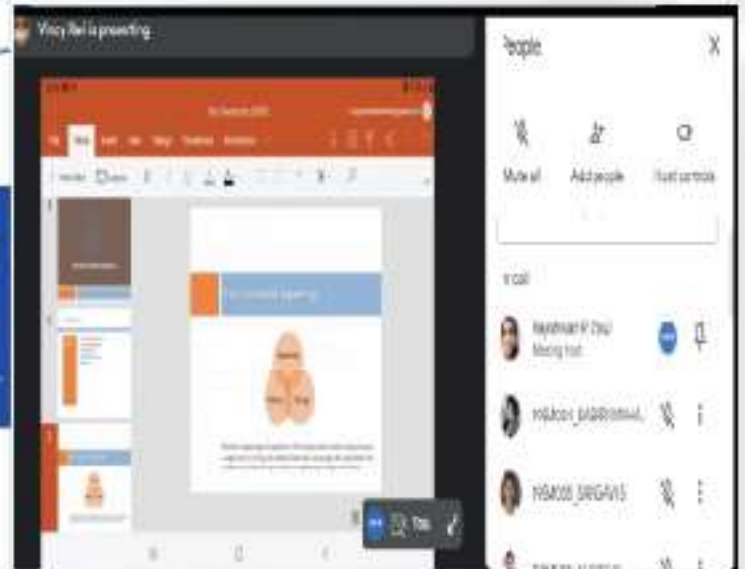


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Opportunities for Biomedical Engineering in MNC's Coordinator : Rajeshwari R AP (Sr.G) / BME



ER. Vincy Ravi
Lead Engineer
Regulatory Affairs, HCL Technologies, Chennai.



25.9.2021



30



Government Opportunities for Biomedical Engineers.

Certification needed for Medical Device Regulatory personal to get an opportunity in MNC.

The need for extra certification for Biomedical Engineers.

Role of Biomedical Engineers as Design Engineer

Certification by TuV.

Webinar

6

KPN Institute of Engineering and Technology
Coimbatore
Advanced Road Assets Collaborator

IBSC
INSTITUTE OF BIOMEDICAL SCIENCE

Department of Biomedical Engineering
Organizes
a webinar on

Design & Development of a Cost-effective Gait Recognition System

 **MR. ARUMUGARAJA M.**
Freelancer & Researcher
PSG College of Technology, Coimbatore

Date: 09.10.2021 (Saturday)
Time: 6.00PM - 7.00PM

Faculty Coordinators:
Saranya Devi S. AP/BME

Online Mode
Google Meet Link:
<https://meet.google.com/wmz-vde-fx>

Design & Development of a cost-effective Gait Recognition System

Coordinator : Saranya Devi S AP /BME



Mr. Arumugaraja M.,
Freelancer & Researcher
PSG College of Technology, Coimbatore.



09.10.2021



2 faculty members and 41 students



The program aimed at introducing and enhancing the knowledge on designing and developing the cost-effective products that can be used by physicians.

He has also covered the basics of choosing materials, testing the materials for the purpose, designing the products, finally ended up with developing the prototype

Webinar


KPR Institute of Engineering and Technology
 Learn Beyond (Autonomous, NAAC 'A')


Department of Biomedical Engineering

Organizes a Webinar on

TECHNOLOGICAL CHALLENGES IN DEVELOPING WEARABLE MEDICAL DEVICES


Dr. Priya L.
 Associate Professor
 Department of Biomedical Engineering
 Sri Ramakrishna Engineering College,
 Coimbatore.

22nd NOV
 2021 2:00 PM - 3:30 PM

Registration Link
<https://docs.google.com/forms/d/1DwUj49KJ5j1R08NAACMH0F5BhK1KDF6u3R2uWwWkMwq0t4nq>

Faculty Coordinators
Ms.S.Saranyadevi AP /MAT

[f](#) [in](#) [v](#) [i](#) [g](#) [p](#) [t](#) [e](#) [s](#)

<https://meet.google.com/dmo-cofp-vvi>



01 Jan 08:01:43 AM - 04 Jan 08:01:43 AM - 08:01:43 AM - 08:01:43 AM - 08:01:43 AM - 08:01:43 AM - 08:01:43 AM - 08:01:43 AM

Technological Challenges in Developing Wearable Medical Devices

Coordinator : Ms. Saranya Devi S., AP/BME



Technological Challenges in Developing Wearable Medical Devices



22.11.2021



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The program aimed at introducing the knowledge on technological challenges faced by the biomedical engineers while developing wearable devices. And also the resource person has provided her insights on the following key points.

1. Areas where wearable technologies can be used.
2. Manufacturers of wearable devices
3. Technological Challenges
4. Project Ideas

Webinar

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KPR Institute of Engineering and Technology

DEPARTMENT OF BIOMEDICAL ENGINEERING

INDUSTRY INSTITUTE PARTNERSHIP CELL

Dr. K. Rajasekaran, K

Organizer

GUEST LECTURE

on

ELECTRONICS IN BIOMEDICAL ENGINEERING

Dr. K. Rajasekaran
Professor I BME

25 | 03.00PM
04.00PM

NOVEMBER 2021


VENUE: I BME

Faculty Coordinator
Allwyn Gnanadas. A AP(sr.g) BME

f in Instagram G

Electronics in Biomedical Engineering

Coordinator : Allwyn Gnanadas. A AP(sr.g)/BME

 Dr.K.Rajasekaran

 25.11.2021

 63



The session began with a formal introduction about the guest. Followed by the introduction Dr.K.Rajasekaran sir delivered his lecture. He started with the basics, the role of resistance – how it is being used in basic circuits, complicated respiration rate and direct blood flow measurement circuits. A total of 63 students of 1st BME attended the session and got benefitted

Publications

Book Publication

Name of the Faculty

John Amose Assistant professor/ Dept of BME , KPRIET

“Comparative performance analysis of kernel functions in SVM in the diagnosis of pneumonia using lung sounds”

Conference (IEEE) Saudi Arabia section,
August 2021.

Dr.P.Manimegalai,
Mr. John Amose,
Ms. Narmatha C ,
Mr. M. S. Pradeep raj

Name of the Faculty

Dr. Sreelatha P., Associate Professor, Department of BME, KPRIET.

“Improved Clustering Using Deep Learning Model on Water Resource Engineering ”

Bioscience Biotechnology Research Communication,
Vol. 14, No. 07, (2021)

Sreelatha. P,
J. Faritha Banu,
T. Ch. Anil Kumar,
D. Sugumar,
Shailendra Kumar Rawat,
Ahmad Jawad Niazi

Book Publication

Name of the Faculty

Dr. Sreelatha P., Associate Professor, Department of BME, KPRIET.

"Smart And Effective Environment Monitoring Using Internet of Things"

Bioscience Biotechnology Research Communication,
Vol. 14, No. 07, (2021)

Sreelatha. P,
Mudassir Khan,
D. Sugumar,
Paritala JhansiRani,
Manikandan Ganesan,
Prashant Kumar.

Name of the Faculty

Saranya Devi Subramaniam,Assistant Professor/ Dept of BME , KPRIET

" An efficient convolutional neural network for acute pain recognition using HRV features"

Proceedings of the International e-Conference on Intelligent
Systems and Signal Processing,
vol. 1370, pp. 119-132

Saranya Devi Subramaniam ,
Brindha Dass

Book Publication

Name of the Faculty

Saranya Devi Subramaniam, Assistant professor/ Dept of BME , KPRIET

" Automatic Pain Severity Level Classification using the convolutional neural network"

Annals of R.S.C.B., vol. 25, no. 4, pp. 20878-20885.

Saranya Devi Subramaniam,
Brindha Dass

Name of the Faculty

Dr. Sreelatha P., Associate Professor, Department of Biomedical Engineering, KPRIET.

"Comparison and extension of high performance adders for hybrid and error tolerant applications"

J Ambient Intell Human Comput (2021).

Jothin, R.,
Vasanthanayaki, C.,
Sreelatha, P.

Academic Prowess

COGNITION SHARED BY WITS

BME

- Ms.D.Sudarvizhi, acted as a resource person in the webinar titled "Challenges and Opportunities COVID-19". The event was organized by by Vivekanandha College of Technology for Women on 13th May 2021.
- Ms.D.Sudarvizhi acted as a resource person in the webinar titled "Wearable Technology In Health Care Systems". The event was organized by by Nandha Engineering College on 15th May 2021.
- Ms.R.Rajeshwari acted as a resource person in the webinar titled "Awareness program for IOT platform and its application". The event was organized by by SMS Institute of Engineering and Technology on 09th June 2021.
- Dr.P.Sreelatha presented the activities of BME Department in the BMESI Executive Committee meeting on 6th July 2021

RESEARCH VERVE

BME

- M.Swathy "Analysis of breast cancer visuals implemented by beam former & composites on fabric antenna test beds", Materials Today: Proceedings, 2021, ISSN 2214-7853.
- P.Sreelatha "Predict the severity level and early prediction of COVID 19 using CEDCNN classifier for Big Data", International journal of grid and Distributed computing Vol. 14, No.1, 2021.
- John Amose "A Systematic Review on Automatic Detection of Respiratory Diseases using Lung Sounds", Proceeding ISSN: 0011-9342 | Year 2021.

Academic Prowess

FACULTY ACHIEVEMENT NPTEL

S. No.	Name of the faculty	Name of the Course	Status of Examination
1.	Dr. Ganesh Kumar D	Design Thinking – A Primer	Elite
2.	Dr. Sreelatha P	Design Thinking – A Primer	Elite Gold + Topper
3.	Ms. M.Swathy	Foundations of Cognitive Robotics	Elite
4.	Ms. R. Rajeshwari	Accreditation and Outcome based learning	Elite
5.	Ms. R. Rajeshwari	Cell Culture Technologies	Elite
6.	Ms. Saranya Devi S	Data Science for Engineers	Completed
7.	Mr. Allwyn Gnanadas	Design of internet of things	Elite

Faculty Contribution - FDP/ Seminar

Name of the Faculty : Mrs. Rajeswari R

FDP : Advances in Medical Informatics

Venue : Department of Biomedical Engineering
Manipal Institute of Technology, Manipal

Date : 16-20 August 2021

Name of the Faculty : Mr. Allwyn Gnanadas A

FDP : Advances in Medical Informatics

Venue : Department of Biomedical Engineering
Manipal Institute of Technology, Manipal

Date : 16-20 August 2021

Name of the Faculty : Ms. Swathy M

FDP : Advances in Medical Informatics

Venue : Department of Biomedical Engineering
Manipal Institute of Technology, Manipal

Date : 16-20 August 2021

Name of the Faculty : Ms. Swathy M

FDP : INTELLIGENT INTERACTIVE MEDICAL SERVICES

Venue : CHRIST (DEEMED TO BE UNIVERSITY)

Date : 02-06 August 2021

Faculty Contribution - FDP/ Seminar

Name of the Faculty : Ms. Saranya Devi S

FDP : Advances in Medical Informatics

Venue : Department of Biomedical Engineering
Manipal Institute of Technology, Manipal

Date : 16-20 August 2021

Name of the Faculty : Ms. Saranya Devi S

FDP : Artificial Intelligence in Diabetes and
Heart Diseases: A Technology Driven
Progress in healthcare

Venue : Sri Shakthi Institute of Engineering and
Technology, Coimbatore

Date : 22-23 September 2021

Name of the Faculty : Ms. Saranya Devi S

FDP : Heart Rate Variability-Monitoring,
Analysis and diagnosis

Venue : Model Engineering College

Date : 25-29 October 2021

Faculty Contribution - FDP/ Seminar

Name of the Faculty : Ms. Priya Darshini B

FDP : Artificial Intelligence in Diabetes and Heart Diseases: A Technology Driven Progress in healthcare

Venue : Sri Shakthi Institute of Engineering and Technology, Coimbatore

Date : 22-23 September 2021

Name of the Faculty : Ms. Priya Darshini B

FDP : Advance Machine Learning Techniques

Venue : Design Tech

Date : 24-25 September 2021

Name of the Faculty : Ms. Priya Darshini B

FDP : PALS-VLAB

Venue : National Institute of Technology, Karnataka Surathkal

Date : 6 – 8 September 2021

Name of the Faculty : Ms. Priya Darshini B

FDP : image procrssing and computer vision

Venue : AICTE-ATAL

Date : 29-3 december 2021



Bio-Active Nano Fertilizers

Team Head : Dr. E. Ranjith Kumar

Faculty Team : 1) Dr. H. Shankar, AP(Sl.G.) / Physics
2) Dr. Suriya Uma Devi. S, AP(Sr.G.) /Maths
3) Dr. Subramanian. M, AP / Maths
4) Ms. Priya Darshini. B, AP / BME

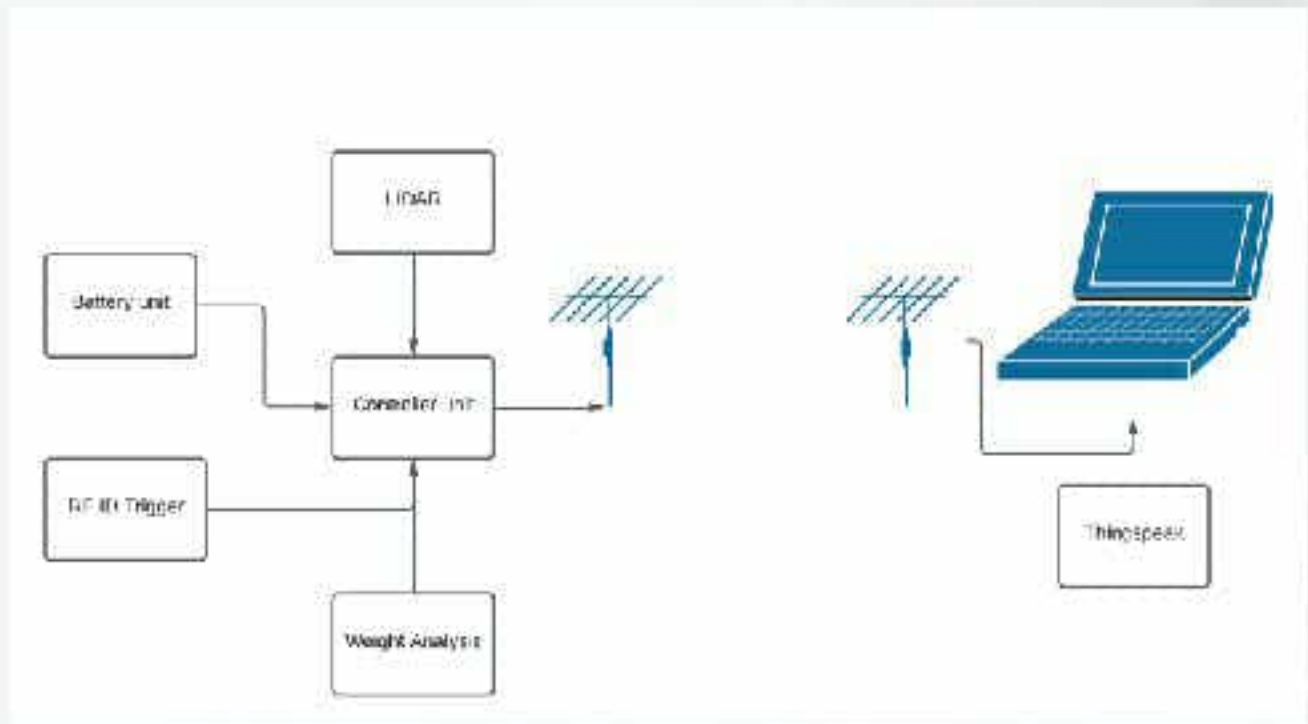


Automatic Restroom Cleaning System

Team Head : Dr. D. Ganesh Kumar, HOD/BME

Faculty Team :

- 1) Rajeshwari R/BME
- 2) Dr B Jaishankar/ECE
- 3) Mr. T Jagadesh/ECE
- 4) Mr. S N Dinesh/MECH



Automated BMI machine

Team Head : A.Allwyn Gnanadas

Faculty Team : 1) Dr.T.Gayathri / BME
2) Dr.S.Ananth / Physics
3) Mr.T.Venkatesh / ECE
4) Ms.S.Brindha / English



Control Logic for managing Interconnected Electrical Appliances

Team Head : Dr. Sreelatha P, AsP / BME

Faculty Team : 1)Ms. Swathy M / BME

2) Ms. Sharmila K/English

3) Dr. Myvizhi M / Maths

4) Dr. Parimala V / EEE



Name of the event : MoU Signing / BME

Date : 16-03-2021

Event Details :

This MoU enables student to improve their knowledge, joint research - particularly in the fields of Biomedical engineering, teacher education, value added courses and short term programmes. This collaboration also explores the possibility of offering specialized programmes in the field of Biomedical engineering. this MoU has been initiated by the department of BME



Name of the event : MoU Signing / BME

The signing of Memorandum of Understanding was held between the Department of Biomedical Engineering, KPRIET and Vital Bio-systems in the our beloved Chief Executive Dr.A.M.Natarajan and Principal Dr.M.Akila.The Memorandum of Understanding facilitates in teaching the students about service and calibration of medical equipments, regular guest lectures from the industry experts, internship/inplant training and job opportunities from the industry.The Memorandum of Understanding facilitates in teaching the students about service and calibration of medical equipments, regular guest lectures from the industry experts, internship/inplant training and job opportunities from the industry.The Memorandum of Understanding facilitates in teaching the students about service and calibration of medical equipments, regular guest lectures from the industry experts, internship/inplant training and job opportunities from the industry.The Memorandum of Understanding facilitates in teaching the students about service and calibration of medical equipments, regular guest lectures from the industry experts, internship/inplant training and job opportunities from the industry.The Memorandum of Understanding facilitates in teaching the students about service and calibration of medical equipments, regular guest lectures from the industry experts, internship/inplant training and job opportunities from the industry.

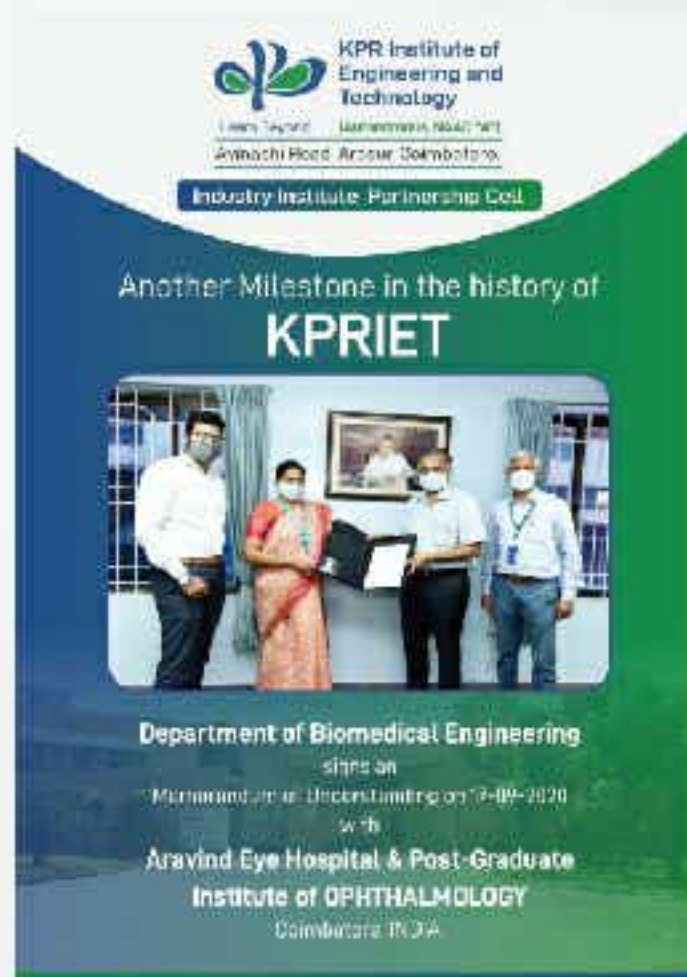


Name of the event : MoU Signing / BME

Date : 22-Oct-2021

Event Details :

In a view to enhance the hospital experience for BME students, gain hands on experience in learning the operations of hospital equipment, and learn to apply the theoretical knowledge in developing new research avenues and equipment this Institute Hospital partnership was initiated. This MoU was initiated by Dr.P.Sreelatha, encouraged and supported by Dr.D. Ganeshkumar HOD-BME. The MoU was agreed for a duration of three years. GEM Hospital shall also provide support for curriculum development, guest lectures, projects, R&D support, concessional treatment etc., for the students and faculties of KPRIET



Name of the event : MoU Signing / BME

Date : 17-Sep-2020

Event Details :

In a view to enhance the hospital experience for BME students, gain hands on experience in learning the operations of hospital equipment, learn to apply the theoretical knowledge in developing new research avenues and equipment this MoU has been initiated by the department of BME. Aravind Eye Hospital shall also provide experienced distinguished faculties for delivering latest technologies to students.



Name of the event : MoU Signing / BME

Date : 22nd September 2021

Event Details :

A Memorandum of Understanding was signed between Department of Biomedical Engineering, KPR Institute of Engineering and Technology (KPRIET), Coimbatore and Helix Private Limited, Bangalore on 22nd September 2021 at the Legend Hall, KPRIET Campus.

Mr Nanda Kumar Y R, Director of Helix private limited, Bangalore and Dr. M. Akila Principal, KPRIET were the signatories. This MoU was signed to offer hands-on skill based training on Calibration and Testing of Medical Equipment, Internship Opportunities and Placement opportunities for the students.



Name of the event : MoU Signing / BME

Date : 23-July-2021

Event Details :

In a view to enhance the hospital experience for students, gain hands on experience in learning the operations of hospital equipment, and learn to apply the theoretical knowledge in developing new research avenues and equipment this Institute Hospital partnership was initiated. This MoU has been encouraged and supported by Dr.D.Ganeshkumar HOD. The MoU was agreed for a duration of three years. Ganga Hospital shall also provide support for curriculum development, guest lectures, projects, R&D support etc., for the students and faculties of KPRIET.

Department Endeavors



EYE CAMP ARAVIND EYE HOSPITAL

Event No.	:	ISR/1
Date	:	06.10.2021
Venue	:	KPRIET
Level of the Event	:	State
Type of Event	:	ISR
Title of the Event	:	Free Eye Camp
In Association with	:	Aravind Eye hospital & Young Friends CC , Coimbatore
Resource Person 1	:	-
Resource Person 2	:	-
Convener	:	Dr. Sreelatha P, AsP / BME

No. of External Participant (Count)	:	
Faculty	:	-
Research Scholars	:	-
Students	:	-

Others : 183

No. of Internal Participant (Count)	:	
Faculty	:	-
Research Scholars	:	-
Students	:	-

Department Endeavors



EYE CAMP ARAVIND EYE HOSPITAL

Department of Biomedical Engineering organized a free eye camp in collaboration with Aravind Eye Hospital, Young Friends CC and Thulasi Pharmacy, Coimbatore for the residents, staff and house-keeping teams of Srivatsa Gardens. The camp was inaugurated by Dr. C.Subramaniam, President, Srivatsa gardens. All EC members of the community and YFCC were present and volunteered for the event. About 183 members have participated in this eye camp. The general parameters height, weight, BMI Blood sugar was checked in the first phase. During the eye camp, screening was done for blood pressure, myopia, hyperopia, diabetics, retinal wellness, lens and all other eye related issues. Participants with Cataract were advised to visit hospital for further treatment. Breakfast and Lunch were arranged for all the participants.

DEPARTMENT INITIATIVE

Importance of Biomedical Engineer in Medical Industry during COVID-19

Date: 24th March 2021

Resource Person: **Mr. Deepath Sathivel**
 CFO and Founder
 Prashan Medical Technologies, Coimbatore

The Department of Biomedical engineering in association with Continuing Education Programme organized a webinar titled 'Importance of biomedical engineer in medical industry during COVID-19' on 24th March 2021. The resource person of the event was Mr. Deepath Sathivel, CEO and Founder, Prashan Medical Technologies, Coimbatore. 30 students of second year biomedical engineering participated in the event. The webinar focused on the various career opportunities available in the skilled industry. It also highlighted the role of Biomedical Engineers during the outbreak.



JANATA Curfew- Corona Newind for Better Health

Date: 27th March 2021

Resource Person: **Mr. M. Swathy, AP**
 Department of Biomedica, Engineering (RPRICT)
 Coimbatore

The Department of Biomedical Engineering and the Department Students Association of 'Medico Sapient' organized an Awareness program titled 'Janata Curfew - Corona Newind for Better Health' on 27th March, 2021. About 54 participants actively took part in the program. The session aimed at highlighting the importance of maintaining the Standard Operating Procedures to safeguard ourselves from the COVID 19 pandemic and also focused on improving n.e.e standards and fight against any pandemic in future.



BME



Introduction to Bio-Signal Acquisition and Processing using LabVIEW

Date: 12th & 13th February 2021

Resource Person: **Mr. Rajasekaran V**
 Academic Technical Consultant/Innovative
 Engineers Technologists, Coimbatore

The Department of BME organized a two day workshop titled 'Introduction to Bio-Signal Acquisition and Processing using LabVIEW' on 12th and 13th of February 2021 at Centre for Signal Processing. Mr. V. Rajasekaran conducted the workshop in 8 sessions, 4 each day. On the first day he introduced LabVIEW, the concept of virtual instrumentation to the 8 biomedical students. In the following sessions he gave demo on how to design interfaces, usage of objects and substructures.

DEPARTMENT INITIATIVE



Endometrial Cancer- Early Detection Saves Life

Date: 4th February 2021

Resource Person: Dr.S. Malini, M.B.B.S.,MS(O&G),D.L.S.,
Deputy Medical Secretary, Kavin Hospital, Dindigul.

The Department of BME organized a webinar titled 'Endometrial Cancer- Early Detection Saves life' on 04th February, 2021 via google meet. The resource person of the event was Dr.S. Malini, Deputy Medical Secretary & Consultant Obstetrician and Gynaecologist. The webinar focused on the risk of IVF and its potential in reducing ovarian cancer; vaccine available and its limits, pathogenesis of cancer, inherited ovarian Cancer and the ways to prevent it, menopause and its influence in cancer of uterus.



Emerging trends of Ultrasound imaging in Smart Healthcare Systems

Date: 6th March 2021

Resource Person: Ms. Hemapreetha,
Clinical Ultrasound Product Specialist,
BPL Medical Technologies, Cochin.

The Department of BME organized a webinar titled 'Emerging trends of Ultrasound imaging in Smart Healthcare Systems' on 6th March 2021. The resource person of the event was Ms. Hemapreetha, Clinical Ultrasound Product Specialist. The webinar focused on the basic working operations of Ultrasounds and its imaging modalities. The Resource person also illustrated the Modern 3D Ultrasound imaging usage in gynaecology with practical applications.

Department Endeavors

Faculty as Resource Person



COM
DEPARTMENT
BIOMEDICAL E.

Two-Week online FACULTY DEVELOPMENT PROGRAM ON
DIGITAL TRANSFORMATION IN HEALTH

[Week - 1]



02.08.2021

Monday



**Digital Transformation in
Respiratory Sound Analysis**

Mr. John Amose

Assistant Professor



Patrician Institution's Innovation Council &
Department of Computer Application (Shift I)
in association with

Rajapalyam Rajus' College Institution's Innovation Council

Organizes a webinar on

IMPORTANCE OF IPR IN ACADEMIA

Resource Person

Mr. John Amose,

Assistant Professor (Sr. G),
Department of Biomedical Engineering,
KPR Institute of Engineering and Technology,
Coimbatore.



Platform: Google Meet

Date: 14th Sep 2021

Time: 3.30 P.M to 4.30 P.M

CERTIFICATE WILL BE PROVIDED

Department Endeavors

Faculty as Resource Person



The Institution of Engineers (India)
Tiruchirappalli Local Centre
84-EL Main office road, Tiruchirappalli – 620 014



"100 Years of Relentless Journey towards Engineering Advancement for Nation Building"
30-09-2021

Topic : Medical Waste Management and its Social Impact

Division : Environmental Engineering

Speaker : Mrs. Rajeshwari.R,
Assistant Professor, Senior Grade,
Bio medical engineering,
KPR Institute of Engineering & Technology,
Coimbatore.

Meeting ID: 899 8409 9876
Passcode: 899302

You tube Link
<https://youtu.be/H1aurZ3i32w>

Tuesday, 05th October 2021 -- 18.30 hrs (India)

Join Zoom Meeting
<https://us02web.zoom.us/j/89984099876?pwd=OTBuM0VhbnJhbnR5S0N0TlR5S0J0Q0Q0T09>

All are cordially invited to attend the online lecture talk. Non-members are also welcome

Dr. M. Ramakrishna P.E., Chairman
Mob. - 9442227446-9880800025

Dr. N. Sankaranarayanan P.E., Hon. Joint Secretary
Mob. 9842781790

Dr. Navin Ash Kumar MBE., Hon. Joint Secretary
Mob. - 9720103800-9483210175

Dr. A. Anand MBE., Honorary Secretary
Mob.9771718400-9442226476







JOHN AMOSE
Assistant Professor (S-C)
KPR Institute of Engineering and
Technology, Coimbatore, Tamil Nadu

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Department Endeavors

CSIR
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Organizes

CSIR sponsored One Day National Level Seminar

In Neurorehabilitation for Stroke Attack Disorders Using Visual Pantom Landolt Sy in Adaptable Intelligent System Using Reinforcement Learning – Critical – A Fiction Appl (CTNBIA/S'21)

November 13th, 2021



Mrs. D. Sagarika
Team Professor (Sr. G)
IITB / IITR

Issue Rehabilitation and
social assisting approach
in Brain disorders

11:00AM



Dr. R. Ranga
Consultant Neurologist
Assistant Multi-specialty Hospital,
Sri Kumaran Hospital and Therapeutic
Medical Foundation (TMF) Hospital

Impact of COVID and how
system software and other
networks for patient?

11:35AM - 01:00PM



Mr. Sidharth Nair
Founder
Shiva Bioedwige,
Bengaluru

Topic - Drugs and Neuro-
medication

02:00PM - 04:15

Registration Link: <https://forms.gle/fiy7>

REGISTRATION

CULT




Office of the Controller General of Patents, Designs & Trade Marks
Department of Intellectual Property & Promotion,
Ministry of Intellectual Property,
Government of India




Application Details


APP. NUMBER	IP/2021/17
APPLICATION TYPE	REGULAR APPLICATION
DATE OF FILING	17/05/2021
APPLICANT NAME	1. Rajeshwari E 2. Raja Kapila 3. Dr. Shreshth Kumar 4. Dr. Ruchita Kohar 5. Dr. S. Prangak 6. Anil Kumar 7. Chhaya Nayak 8. Anand Kumar 9. Anil Kumar 10. Jeral Mohammed Amin
TITLE OF INVENTION	TELEHEALTH SYSTEM FOR MEDICAL IMAGE VIEWING BY USING ARTIFICIAL INTELLIGENCE NEURAL NETWORK
TOO OF INVENTION	COMPUTER SOFTWARE
IP ADDRESS (Per Record)	ip@rajeshtech.co.uk
ADDITIONAL EMAIL (s) Per Record	pinkati1@gmail.com
IP ADDRESS (Online)	
ISSUE DATE	
REQUEST FOR EXAMINATION DATE	-
PUBLICATION DATE (US 11A)	22/07/2021



KPR Institute of Engineering and Technology



DEPARTMENT OF BIOMEDICAL ENGINEERING



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or

TIPS TO CRACK GATE EXAM FOR BIOMEDICAL ENGINEERS

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Dr. Mohammed Mas
Alumni - BME 2017-21

23rd OCT 2021 9.00 AM

Faculty Coordinators
Johel Amose AP(Sr.G)BME
A. Allwyn Gnanades AP(Sr.G) BME



KPR Institute of Engineering and Technology



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ALUMNI



29th OCT 2021 11.00 AM

Ms. Patricia Nancy S
Alumni - BME 2017-21

Faculty Coordinators
A. Allwyn Gnanades AP(Sr.G) BME



Student Internship

S.no	Roll no	Name of the student	Company/Organization with location.	Date		No. of days
				From	To	
1	20BM001	AHAMED SHERIEF M F	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
2	20BM002	ARUN S R	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
3	20BM003	ARUNAGIRI K	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
4	20BM004	BHARATHI PRABHA J	STAAN Biomed Engineering Pvt Ltd	01.12.21	15.12.21	14
5	20BM005	BHOOBALAN A B	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
6	20BM006	BHUVANESWARI B	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
7	20BM007	DEEPAK D	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
8	20BM008	GAYATHIRI G	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
9	20BM009	GAYATHRI K S	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
10	20BM010	GOWTHAM P	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
11	20BM011	HAMSHAVARTHINI S	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
12	20BM012	IGIRIVA B	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
13	20BM013	IMRANKHAN R	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
14	20BM014	INDIERA M	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
15	20BM015	ISABELLA S	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
16	20BM016	JAGATH S	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
17	20BM017	JASPER JESU JACOB A	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
18	20BM018	JOSELYNE SNEKA I T	Sunshiv Electronic Solutions	29.11.21	11.12.21	14
19	20BM019	KANIGA T V	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
20	20BM020	KAVIYA P	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
21	20BM021	KEERTHIVASAN M	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
22	20BM022	KESAVARANI G	Sunshiv Electronic Solutions	29.11.21	11.12.21	14
23	20BM023	KOHILNILA E	Sunshiv Electronic Solutions	29.11.21	11.12.21	14
24	20BM024	KOKILA S	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
25	20BM025	KOWSHIKA R	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
26	20BM026	LOHITHA R	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
27	20BM027	LOKESHAN R	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
28	20BM028	MADHAN KUMAR U	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
29	20BM029	MEIYARASAN V	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
30	20BM030	MERCY V	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
31	20BM031	NAVEEN K	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
32	20BM032	NEHA NESNAS B	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
33	20BM033	NISHA M	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
34	20BM034	PAVITHRA S	Sunshiv Electronic Solutions	29.11.21	11.12.21	14

Student Internship

36

S.no	Roll no	Name of the student	Company/Organization with location.	Date		No. of days
				From	To	
35	20BM035	PREETHIKA G	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
36	20BM036	PRIYADHARSHINI A	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
37	20BM037	PRIYANGA S	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
38	20BM039	RAMYA E	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
39	20BM040	RIDANA SRI S	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
40	20BM041	RITHANYA K V	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
41	20BM042	RUTH S	STAAN Biomed Engineering Pvt Ltd	01.12.21	15.12.21	14
42	20BM043	SACHIN V	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
43	20BM044	SANGAMITHRA S	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
44	20BM045	SATHIYA PRIYA N	Sunshiv Electronic Solutions	29.11.21	11.12.21	14
45	20BM046	SATWIKA S R	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
46	20BM047	SENTISENLA I JAMIR	Sunshiv Electronic Solutions	29.11.21	11.12.21	14
47	20BM048	SHRUTHI M G	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
48	20BM049	SOWMITHA A	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
49	20BM050	SRIYA B	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
50	20BM051	SUDALAIMANI B	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
51	20BM052	SUREKA P	Sunshiv Electronic Solutions	29.11.21	11.12.21	14
52	20BM053	SURENDHAR S	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
53	20BM054	SURUTHISRI B	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
54	20BM055	SUSMITHA B	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
55	20BM056	SHWETHA A K	Sunshiv Electronic Solutions	29.11.21	11.12.21	14
56	20BM057	VANITHASHREE P	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
57	20BM058	VIGNESH S	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
58	20BM059	VIJAYASEKARAN K	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
59	20BM060	VIJAYASHARATHY D	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
60	20BM061	VISHNU K	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
61	20BM062	VYTHEESWAR P	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
62	21BML01	ABINESH S	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
63	21BML02	JAICHAND S	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
64	21BML03	KAILAYAN D	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
65	21BML04	PRAGADEESWARAN V	Medsby Healthcare & Engineering Solutions	08.12.21	24.12.21	14
66	21BML05	PRAVIN KUMAR S	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14
67	21BML06	SANJAYKUMAR C	M/s. Prashan Medical Technologies	01.12.21	15.12.21	14

S.no	Roll no	Name of the student	Company/Organization with location.	Date		No. of days
				From	To	
1	19BM008	Deepan Chaikkaravarthy .N	Masonic Medical Centre , Coimbatore	22/11/21	04/12/21	14
2	19BM012	Gokulapriya .S	Masonic Medical Centre , Coimbatore	22/11/21	04/12/21	14
3	19BM014	Gowri .K	Masonic Medical Centre , Coimbatore	22/11/21	04/12/21	14
4	19BM016	Iniya .G.G	Masonic Medical Centre , Coimbatore	22/11/21	04/12/21	14
5	19BM020	Kaleeshwari .R	Masonic Medical Centre, Coimbatore	22/11/21	04/12/21	14
6	19BM021	Keerthana .M	Masonic Medical Centre , Coimbatore	22/11/21	04/12/21	14
7	19BM032	Rajakeerthi .R	Masonic Medical Centre, Coimbatore	22/11/21	04/12/21	14
8	19BM039	Sushmitha .S	Masonic Medical Centre , Coimbatore	22/11/21	04/12/21	14
9	19BM006	Anusuya JS	Ganga Hospital, Coimbatore	22/11/21	04/12/21	14
10	19BM033	Raksha R	Ganga Hospital, Coimbatore	22/11/21	04/12/21	14
11	19BM046	Yasika M	Ganga Hospital, Coimbatore	22/11/21	04/12/21	14
12	19BM003	Alan Winston MA	Ganga Hospital, Coimbatore	22/11/21	04/12/21	14
13	19BM015	Hariharan R	Ganga Hospital, Coimbatore	22/11/21	04/12/21	14
14	19BM043	Tamizhan P	GEM Hospital, Coimbatore	22/11/21	04/12/21	14
15	19BM031	Ragu Prasanth	GEM Hospital, Coimbatore	22/11/21	04/12/21	14
16	19BM022	Kishore S	GEM Hospital, Coimbatore	22/11/21	04/12/21	14
17	19BM001	Aaditi .M	Aravind Eye Hospital, Coimbatore	01/12/21	14/12/21	14
18	19BM018	Jayashri .N	Aravind Eye Hospital, Coimbatore	01/12/21	14/12/21	14
19	19BM036	Soniya .N	Aravind Eye Hospital, Coimbatore	01/12/21	14/12/21	14
20	19BM037	Subash Chakaravarthi .M	Aravind Eye Hospital, Coimbatore	01/12/21	14/12/21	14
21	19BM004	Anush S	Aravind Eye Hospital, Coimbatore	01/12/21	14/12/21	14
22	19BM038	Subasri T	Kongunadu Hospital, Coimbatore	22/11/21	04/12/21	14
23	19BM023	Lokaswar P	Kongunadu Hospital, Coimbatore	22/11/21	04/12/21	14
24	19BM044	Vaarsha P	Kongunadu Hospital, Coimbatore	22/11/21	04/12/21	14
25	19BM007	Brindha V	KG Hospital, Coimbatore	22/11/21	04/12/21	14
26	19BM019	Jayashri K	KG Hospital, Coimbatore	22/11/21	04/12/21	14
27	19BM024	Mirdula Devi R	KG Hospital, Coimbatore	22/11/21	04/12/21	14
28	19BM030	Priyadharshini V	KG Hospital, Coimbatore	22/11/21	04/12/21	14
29	19BM040	Suweatha G	KG Hospital, Coimbatore	22/11/21	04/12/21	14
30	19BM042	Tamilselvan A	Revathi Medical Centre ,Tirupur	22/11/21	04/12/21	14
31	19BM034	Sabari Maharaja	Revathi Medical Centre ,Tirupur	25/11/21	09/12/21	14
32	19BM010	Gokul B	Revathi Medical Centre ,Tirupur	25/11/21	09/12/21	14
33	19BM029	Nithin	Revathi Medical Centre ,Tirupur	25/11/21	09/12/21	14
34	19BM028	Nikhil manikandan M	Revathi Medical Centre ,Tirupur	25/11/21	09/12/21	14
35	19BM013	Gokul Kannan	Revathi Medical Centre ,Tirupur	25/11/21	09/12/21	14
36	19BM027	Naveen	Revathi Medical Centre ,Tirupur	25/11/21	09/12/21	14
37	19BM011	Gokul Nath K S	Revathi Medical Centre ,Tirupur	25/11/21	09/12/21	14
38	19BM006	Bharath Kumar	Imed multispeciality hospital	25/11/21	09/12/21	14
39	19BM041	Tamilan C	Anbu Multi Specialty Hospital Kumbakonam	25/11/21	09/12/21	14

STUDENT ACHIEVEMENT NPTEL

S.No	Name of the faculty	Name of the Course	Status of Examination
1.	IGIRIVA.B	Bio Medical Nano Tech	ELITE SILVER
2.	KAVYA.P	Bio Medical Nano Tech	ELITE
3.	VANITHA SHREE.P	Bio Medical Nano Tech	ELITE
4.	PRIYANGA.S	Bio Medical Nano Tech	ELITE
5.	RAMYA.E	Bio Medical Nano Tech	ELITE
6.	JOSELYNE SNEKA	Bio Medical Nano Tech	ELITE
7.	JASPER JESU JACOB	Bio Medical Nano Tech	ELITE
8.	KOHILNILA.E	Bio Medical Nano Tech	ELITE
9.	SHRUTHI SRI.B	Bio Medical Nano Tech	ELITE
10.	SRIYA.B	Bio Medical Nano Tech	COMPLETED
11.	SUREKA.P	Bio Medical Nano Tech	COMPLETED
12.	KOWSHIKA.	Bio Medical Nano Tech	COMPLETED
13.	SOWMITHA.B	Bio Medical Nano Tech	COMPLETED
14.	RUTH.S	Bio Medical Nano Tech	COMPLETED
15.	VIJAY SHARATHY	Bio Medical Nano Tech	COMPLETED
16.	VYTHEESWAR.P	Bio Medical Nano Tech	COMPLETED
17.	PREETHIKA.G	Bio Medical Nano Tech	COMPLETED

ACHIEVEMENTS

STUDENT ACHIEVEMENT NPTEL

S. No	Name of the faculty	Name of the Course	Status of Examination
1.	Ms. Lingatharani N	Foundations of cognitive robotics	Completed Successfully
2.	Ms. Elakya R	Foundations of cognitive robotics	Completed Successfully
3.	Ms. Namithaa J	Foundations of cognitive robotics	Elite
4.	Ms. Sandhiya N	Foundations of cognitive robotics	Elite
5.	Ms. Haririthanya S	Foundations of cognitive robotics	Elite
6.	Ms. Aswini Ramamoorthy	Foundations of cognitive robotics	Completed Successfully
7.	Ms. Subasri G	Foundations of cognitive robotics	Completed Successfully
8.	Ms. Hema G	Foundations of cognitive robotics	Elite
9.	Ms. Mathivadhana M	Foundations of cognitive robotics	Completed Successfully
10.	Mr. Harish Raghavender S	Foundations of cognitive robotics	Completed Successfully
11.	Mr. Karthik D	Foundations of cognitive robotics	Completed Successfully
12.	Ms. Harsha S	Foundations of cognitive robotics	Elite
13.	Ms. Naveena J	Foundations of cognitive robotics	Completed Successfully
14.	Ms. Pavithra R	Foundations of cognitive robotics	Elite

Placements Achievements



Hanirathaya S.
IV BME



Mridula J.
IV DME

For getting placed in

jaro education®

Salary: 6 LPA

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ENGINEERING



Anvika S.
IV BME



Hanisha S.
IV BME



Anagatharasi H.
IV BME



Ananya J.
IV BME



Anvika B.
IV BME



Anvika S.
IV BME

For getting placed in



Salary: 3.5 LPA



Gauri N.
IV BME



Devashree P.
IV DME



Saksham D.
IV BME



Meekshika P.
IV BME



Harish C. Manoj.
IV DME



Mridula J.
IV BME



Dhruv P.
IV BME



Pratyaksha S.
IV BME



Anvika S.
IV BME

For getting placed in



Salary: 3 - 4 LPA

Placements Achievements

41



Congratulations!



Aswini S
IV BME

Priyadarshini K
IV BME

Varshini S
IV BME

For getting placed in



AVASOFT
SHAPING NEXT

Salary: 3.4 LPA



Congratulations!



Haririthanya S
IV BME

Mridula J
IV BME

For getting placed in



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Anshu S
IV BME

Harsha S
IV BME

Meghatharshini
IV BME

Mridula J
IV BME

Pavithra K
IV BME

Varshini S
IV BME

For getting placed in



wipro

Salary: 3.5 LPA

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CONGRATULATES



AKSHAY C DHANIQ D KARTHIK S NAVFNA J

ADARSHINI P VARSHINI S SARAVANAN M

getting placed in VVDN Techno



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BIOMEDICAL ENGINEERING

Congratulations



Aswini S
IV BME
for getting placed in



TATA
CONSULTANCY SERVICES

Salary: 4 LPA

