

# MedBEAT

## Dr. N.G.P INSTITUTE OF TECHNOLOGY

(Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi, Accredited by NBA, NAAC & Recognized by UGC)

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### DEPARTMENT OF BIOMEDICAL ENGINEERING

[Email: biomedicaloffice@drngpit.ac.in](mailto:biomedicaloffice@drngpit.ac.in)



#### VISION

To produce quality biomedical engineers with strong **technical knowledge** and excellence in **engineering design** for providing solutions to **healthcare problems**.

#### MISSION

- MD 1** : Integrating engineering and life sciences for the development of **innovative biomedical products**.
- MD 2** : Imparting **quality education** through innovative Teaching - Learning methodologies.
- MD 3** : Collaborating with **healthcare industries** for education, training, research and development.
- MD 4** : Establishing **state-of-the-art facilities** to enhance the technical skills.
- MD 5** : Providing sustainable solutions for challenges in **global healthcare** with ethical, social and moral values.

#### PEO

- PEO 1** : Have **successful career** in Biomedical Engineering and other relevant disciplines.
- PEO 2** : Design **devices, systems and processes** for improving healthcare industries.
- PEO 3** : Engage in **lifelong learning activities** to become a member of globalized engineering teams with ethical values and standards.

**Dr. Nalla G Palaniswami**

Chairman

**Dr. Thavamani D Palaniswami**

Secretary

**Dr. O. T. Buvaneswaran**

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**Dr. K. Porkumaran**

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**Ms. R. Sowmitha**

IV Year

**Ms. Shrisha Sathiskumar**

III Year

**Ms .E. Sowmya shri**

**Ms .P. Sreeniveatha**

II Year

## FACULTY STRENGTH

Description	Strength
<b>Professor</b>	<b>1</b>
<b>Assistant Professor</b>	<b>16</b>
<b>Ph.D. Holders</b>	<b>4</b>

## STUDENTS STRENGTH

Description	Boys	Girls	Total
IV Year	26	28	54
III Year	28	27	55
II Year(A)	32	27	59
II Year (B)	27	29	57
I Year (A)	21	31	52
I Year (B)	25	26	51
<b>Total</b>	<b>159</b>	<b>168</b>	<b>328</b>

## STUDENTS PARTICIPATION

Description	II Year	III year	IV Year	Total
Internship	<b>23</b>	<b>0</b>	<b>0</b>	<b>23</b>

## DEPARTMENT ACHIEVEMENTS

- Department has organized International Virtual Conference, jointly with Center for Graduate Studies (CGS), UTP, Malaysia on "Artificial Intelligence for Smart Community" from 17<sup>th</sup> -18<sup>th</sup> December 2020.
- Dr. S. Prabakar and Dr. K. Porkumaran has received fund of Rs.16,82000 from AICTE for RPS programme.
- Dr. C. Ramkumar has received fund of Rs.6,31,062 from AICTE for "Center for Value Based Education towards Entrepreneurship Development" programme.

## STUDENT ACHIEVEMENTS

- Sukenthan S. S has participated Idea Presentation, Organised by department of computer science and Engineering of KPR Institute of Engineering and Technology and won 1<sup>st</sup> prize .

# ACADEMIC ACHIEVEMENTS

## NOV/DEC 2020 RESULT - TOPPERS IV YEAR



Mr.C.S.Manoj  
GPA:9.1



Ms V.Jhone Shalini  
GPA:8.79



Ms K.Dhivya  
GPA:8.75

## III YEAR



Mr.J.ShankaraRaman  
GPA:8.46



Mr.M.Bharath  
GPA:8.32



Mr.R.Vigneswar  
GPA:8.28

## II YEAR

### BME-A



Ms.I.Kaaviya  
GPA:9.0



Ms.N.Mamthakamali  
GPA:8.92



Mr.S.Arjuna  
GPA:8.76

### BME-B



Ms.K.Nandhini  
GPA:9.20



Ms.P.Sreeniveatha  
GPA:9.0



Ms.S.Yogitha  
GPA:8.76

# ACTIVITIES ORGANIZED



**YOUTH POWERED WEBINAR SERIES**  
Resource Person:Mr.S.Sudharsan  
CEO,Skill wish.  
Date:24.10.2020



**INTERNATIONAL WEBINAR SERIES**  
Resource Person:Mr.Manikandan Paneerselvam  
Cloud Security Specialist Pacific Life Charleston,  
West Virginia,United States .  
Date:15.10.2020



**INDUSTRY EMPOWERED WEBINAR**  
Resource person Mr.S.Atheena malagi pandian  
Founder and Managing Director  
AtheenaPandian PvtLtd,Chennai.  
Date: 9.11.2020



**Industry Empowered Webinar cum training**  
Resource Person:Mr.Boopathi Sakhivel  
Founder,CEO &Biomedical Engineer Authorised  
Provider for Schiller Healthcare Prashan  
Medical Technologies  
Date : 6.11.2020



**INTERNATIONAL WEBINAR SERIES**  
Resource person:Mr.Ravi Kalimuthu  
General manager ,Synergy Solutions  
KUWAIT.  
Date:30.10.2020

## PARTICIPATION IN VARIOUS EVENTS BY STUDENT & FACULTY

- ✓ Dr. S. Prabakar attended a Certificate training programme on “Digital Teaching Techniques” organized by ICT Academy from 3<sup>rd</sup> to 8<sup>th</sup> August 2020.
- ✓ Dr. B. Vidhya attended programme on “The value of IEEE publications in Research and Career Development” organized by IEEE on 20<sup>th</sup> July 2020
- ✓ Mr. S. Logesh kumar attended ATAL FDP on “Computer sciences and biology” organized by Rajasthan Technical University, Kota from 24.8.2020 to 28.8.2020.
- ✓ Dr. N. Rajasingam attended a Virtual workshop on “Emerging Research Avenues in Biomedical Engineering”, organized by PSG College of Technology from 18.8.2020 to 19.8.2020.
- ✓ Mr. S. Vigneshwaran attended the six days short term training programme on “Data Analytics in Biomedical Engineering”, organized by Karpagam Academy of Higher Education, Coimbatore, on November 2020.
- ✓ Mrs. R. Saranya attended an International Workshop on “Energy Technology and Sensor and Systems”, organized by IIITDM, Kancheepuram from 28.7.2020 to 30.7.2020
- ✓ Ms. K. Chamundeshwari attended online FDP on “Recent Trends in Biomedical Engineering”, organized by Karunya Institute of Technology and Sciences from 13.07.2020 to 17.07.2020
- ✓ Ms. M. Smitha attended a AICTE sponsored short term training programme (STTP) on “Biosensors, Medical Imaging and Signal Processing technique for Disease Diagnosis”, organized by Department of Biomedical Engineering, PSNA college of engineering and technology from 14<sup>th</sup> to 19<sup>th</sup> December 2020.
- ✓ Mr. J. Siva Shankara Raman and Ms. D. Janani has participated in “Peer Group Empowerment Programme” organized by Department of Biomedical Engineering of Dr. NGP Institute of technology, in association with MHRD Institution Innovation Council

## PUBLICATIONS BY STUDENT & FACULTY

- ✓ Dr. C. Ramkumar published a paper on “Standing wheelchair with voice recognition system”, July 2020, vol 7(12), in Journal of critical reviews.
- ✓ Dr. C. Ramkumar published a paper on “Intelligent medicine box for Medication Management based on IOT”, July 2020, vol.13, no:3, pp 2321-2327, in International journal of Future Generation Communication and Networking.
- ✓ Dr. C. Ramkumar published a paper on “Prioritised Congestion for Detention and Avoidance by Tadar Algorithm Toalemorite Throughput in wireless Sensor Networks”, August 2020, vol.1163, in Advantages in smart system Technologies. Advances in Intelligent System and Computing.
- ✓ K.S. Pavithara and L. Dharashini published paper on “Non Invasive Knee Implant Measurement using Knee wear”, proceeding by International Journal of Multidisciplinary Educational research, ISSN :2277-788, volume 9, Issue:4(5), pp.54-61,