

Dr. N.G.P INSTITUTE OF TECHNOLOGY

(Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi, Accredited by NAAC & Recognized by UGC)
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DEPARTMENT OF BIOMEDICAL ENGINEERING

www.drngpit.ac.in/biomedical



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

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Mr. S. Logesh Kumar

Ms. M. R. Ranjana

IV Year

Ms. J. Jeslin Libisha

III Year

Mr. G. S. Hariprasath

II Year

FACULTY STRENGTH

Description	Strength
Professor	2
Assistant Professor	12
Visiting Faculty	1
Ph.D. Holders	3
Ph.D. Pursuing	8

STUDENTS STRENGTH

Description	Boys	Girls	Total
IV Year	13	41	54
III Year	19	40	59
II Year	20	40	60
I Year	27	31	59
Total	79	152	233

DEPARTMENT ACHIEVEMENTS

- Capsule based gastric rhythm analyzer is selected as finalist out of 2740 projects in the Indian Innovation Challenge 2016, Received the cash prize of Rs 50,000 and Rs 5 Lakhs for product development from Texas Instruments, DST and IISc, Bangalore.
- Dr. S. Prabakar has appointed as a member of syllabus framing committee, Anna University for framing the syllabus for regulation 2017.
- Dr. K. R. Mohana Priya, Visiting faculty has completed her Ph.D Viva Voce on 11.08.2017
- Dr. C. Ram Kumar, Assistant Professor has completed his Ph.D Viva Voce on 01.12.2017.
- Received best SEEE student chapter award for the year 2017.
- Received Rs. 6,06,400 from PMKVY-AICTE for Skill development course in Healthcare sector.
- Out of 5049 ideas, 6 ideas has been shortlisted for Phase II and 4 ideas has been shortlisted for Quarter finals in IICDC 2017 by Texas instruments and received the components for module development.
- FORGE factory organizes TNSI 2017 project competition in which 2 teams selected for Idea camp worth of Rs 30,000/- is sponsored by Govt. of TN and 2 teams selected for boot camp worth of Rs. 60,000/-

STUDENT ACHIEVEMENTS

- Gokul M, Durgadevi N, Ramya Shanmuga Vadivu V and Bhuvaneshwari R of IV Year selected as a finalist and received cash prize of Rs.50,000/-
- Durga Nadhini S of III Year has won 1st prize in paper presentation at Avinashilingam University on 12.07.2017.
- Marwana Sayad and Preethi U of II Year has won 1st prize in paper presentation at Avinashilingam University on 12.07.2017.
- 8 Students secured prizes in various events in Tech Fest held on 21.12.2017.
- Salmaan Rasheed B, Sathya Sooraj B and Poornesh M of III Year has been shortlisted for Idea camp 2 and Boot camp in TNSI 2017 by Forge Factory, Coimbatore.
- Rakshana B, Sai Swathi B and Saranya B of III Year has been shortlisted for Idea camp 1 in TNSI 2017 by Forge Factory, Coimbatore.
- Archana P, Sangavi M and Archana Elango of IV year has been shortlisted for Boot camp in TNSI 2017 by Forge Factory, Coimbatore.
- Dinesh R, Meena L, Sathya T, Selton E, Gokul M, Durgadevi N, Bhuvaneshwari R, Sukita B of IV Year and Guruprasanth S , Nivetha K , Tamil Selvan S , Shalini N , Preethi T and Swathi Subramani of III year has shortlisted for Phase II in IICDC 2017 by Texas Instruments.
- Madhumitha R, Mathunithaa U S, Nagalakshmi S, Karthika S of III Year and Govardhan B, Vignesh V R of II Year has cleared Phase 1 in IICDC 2017 by Texas Instruments.
- Rakshana B, Sai Swathi B and Saranya B of III Year has won 2nd prize in project presentation held at Sri Ramakrishna Engineering College on 29.12.2017
- Salmaan Rasheed B, Sathya Sooraj B and Poornesh M of III Year has won 3rd prize in paper presentation held at Sri Ramakrishna Engineering College on

IICDC 2016 - TEXAS



ACADEMIC ACHIEVEMENTS

NOV/DEC 2017 RESULT - TOPPERS

IV YEAR



Ms. Kiruthika
GPA:8.36



Ms T Sathya
GPA:8.2



Ms Durga Devi
GPA:7.95

III YEAR



Ms. Jeslin Libisha J
GPA:8.96



Ms Poornesh P
GPA:8.92



Ms. Durga Nandhini N
GPA:8.88

II YEAR



Ms. Dharshini R
GPA:8.79



Ms. Rohini. M
GPA:8.5



Ms. Renuka . M
GPA:8.40

STUDENTS PARTICIPATION

Description	II Year	III year	IV Year	Total
Paper Presentation	8	27	-	35
Project Design Competitions	7	68	15	90
Workshop	22	26	8	56
Conference	0	8	7	15
IPT / Internship	38	45	3	86
Sports	2	4	-	6

ACTIVITIES ORGANIZED



BMEDICIANS - INAUGURATION

Resource Person:Mr. Siddharth Nair Co-Founder & MD, Fyrsta Solutions, Bangalore

Date: 20.07.2017



PHARMACOGENOMICS-THE WAY TO DRUG DESIGN AND DEVELOPMENT

Resource Person:Dr. P.K.Krishnan Namboori, Associate Professor, Computer Engineering and Networking, Amrita University, Cbe.

Date: 03.08.2017



GUEST LECTURE - INNOVATIONS IN HEALTHCARE

Resource Person:Mr. Siddharth Nair Co-Founder & MD, Fyrsta Solutions, Bangalore

Date: 20.07.2017



ALUMNI LECTURE SERIES- HIGHER STUDIES

Resource Person: Ms. R Hanitha(2012-2016)

Date: 26.09.2017



ALUMNI LECTURE SERIES-MAQUET INTERNSHIP (PDP)

Resource Person: Lakshmi, T, Madhusegundha

Date:21.07.2017



AMTZ - HAND ON TRAINING

Resource Person:Mr. Mruthyunjay Jena, Deputy Director, Quality Council of India, New Delhi. Mr. Srinivasa Reddy Senior Manager, AMTZ, Vishkapatnam, AP

Date: 05.08.2017



FIRE SAFETY PROGRAMME

Resource Person: Mr. Arumuga Poomalai, Ex. Army Fire Safety Officer, Kovai Medical Center and Hospital, Coimbatore

Date: 20.09.2017



HENOSIS 2017

Resource Person: Mr. Naga Palanisamy, CEO, SPAN Technological Services.

M. Ramesh, Managing Director, Alphacraft Pvt. Ltd.

Date: 23. 09. 2017



NUTRACEUTICALS -A UNIQUE AND TRADITIONAL SUPPLEMENTS OF LIFE

Resource Person:Dr. S.R. Sathishkumar, Scientist, R&D Lab, Caprienzyme, Chennai

Date: 26.07.2017

PARTICIPATION IN VARIOUS EVENTS BY STUDENT & FACULTY

- ✓ Dr. Raja M. A , Dr. Ram Kumar C, Ms. D. Hemapriya, Ms. Mohanapriya A, Ms. Gowri Priya N published a paper In IEEE Xplore Conf. proc. on IGEHT, Nov 2017.
- ✓ Mr. John Amose published a paper on “Speech Signal Analysis and Pattern Recognition in Diagnosis of Dysarthria”, in Annals of Indian Academy of Neurology, Pub Med on Oct 2017, Vol 20, Issue 4, pp 352-357
- ✓ Mr. Logesh Kumar S published a paper on “Modified extraction and characterization of keratin from Indian goat hoof : A Biocompatible biomaterial for tissue regenerative applications”, in Integrated Ferroelectrics, Nov 2017, Vol 184, pp 41-49
- ✓ Gokul. M ,Durgadevi N , Dr. Ram Kumar C published a paper on “Capsule based Gastric Rhythm Analyzer: A tool for Diagnostic Gastric Diseases”, in Journal of Gastrointestinal & Digestive System, Dec 2017, Vol 7, Issue 6, pp 1-4.
- ✓ Dr. Ram Kumar C published a paper on “An Energy Efficient ASIC for Wireless Body Sensor Networks in Medical Applications”, in an International Journal for Engineering Development & Research, Jul 2017, Vol 5, Issue 3, pp 65-69
- ✓ Dr. Ram Kumar C published a paper on “Regulation of Blood Glucose Level using Implantable Nano-pancreas”, Journal of Biomedical and Instrumentation Engineering, Sep 2017, Vol 2, Issue 2, pp 1-7
- ✓ Dr. Ram Kumar C published a paper on “Artificial Insulin Therapy in the Regulation of Blood Glucose”, International Journal of Scientific Development & Research, Sep 2017, Vol 2, Issue 10, pp 13-16
- ✓ Ms. Sharmili S presented a paper on “Med Info Wallet Card – A virtual Assistant for Medical Records” & “Internet of Medical Things (IMoT)” in National Seminar on Innovations in Biomedical Device at Avinashalingam University.
- ✓ Preethi T, Shalini M, Swathi Subramani, Dr.Ram Kumar C presented a paper in National Conference on Computer & Communication Systems at Rathinam Technical Campus, October 2017
- ✓ Rakshana B, Sai Swathi B, Saranya B, Marwana Sayed, Preethi U, Durga Nandini S, Abhimathi N, Harini Sri B, Jeslin Libisha J, Harshene H, Dr. C Ram Kumar presented a paper in National Seminar on Innovations in Biomedical Devices at Avinashalingam University on 12th July 2017.
- ✓ Sathya Sooraj M, Salmaan Rasheed, Aditya S, Kathiresan M attended ROBOTSAVAM-2017 conducted by Amrita Vishwa Vidyapeetham on 28.07.2017.
- ✓ Kiruthika K, Narmadhadevi R, Keerthana K, Dharshini R attended an event on Certification course on Wet Chemical Synthesis Of Nanomaterials And Fundamental Characterization organized by Sri Ramakrishna Engineering College on 10.07.2017.
- ✓ Meena L, Dinesh R, Sathya T, Lakshmi L attended an event on Innovations in Biomedical Devices organized by Avinashalingam University on 12.07.2017.
- ✓ Ananthi S, Manimegalai K, Keerthana S, Kathiresan M presented a paper in Technical Symposium-ECLAT 'INSPIREZ- 2K17 held at Erode Sengunthar Engineering College on 30.08.2017
- ✓ Divya S, Dharshini R, Indhuja S, Kowsalya B, Poornima P attended a Hands on training on Internet of things With Raspberry Pi at SNS College of Technology on 26.07.2017
- ✓ Shalini M, Sangeetha V, Sriba R , Swathy S, Pavithra M, Sudarshana N, Preethika M, Sandhya S, Krithika R attended a Seminar on “An Initiative towards IoT” conducted by Sri Ramakrishna Engineering College on 28.07.2017.
- ✓ Pavitra M, Manimegalai K, Keerthana S, Kathiresan M, Ananthi S presented paper in technical symposium ECLAT 'INSPIREZ- 2K17 conducted by Erode Sengunthar Engineering College on 30.08.2017.
- ✓ Reshma, Sneha.R, Srimathi.P, Roshini.K attended Technological Advances in Smart Healthcare Monitoring System Using IoT conducted by Avinashilingam Institute for Home Science and Higher Education For Women on 07.09.2017
- ✓ Rakshana B ,Saranya B attended Workshop on Efficient Design of Robot at SNS college of Engineering on 04.08.2017
- ✓ Preethi T, Roshini D attended a Workshop on Applications of Arduinio at P S G College of Technology on 28.08.2017
- ✓ Mithra V. M, Mathumithaa U.S, Nagalakshmi S, Pavitra M, Umarani G attended a Training Program on Aptitude Shortcut methods at Kongu Engineering College on 05.08.2017

KOVAI MEDICAL CENTER RESEARCH AND EDUCATIONAL TRUST

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