



**ONLINE REGISTRATION**

**Link for online Registration**

<https://forms.gle/9XsVvXm3bfVY9oNPA>

**(OR)**



**Online Payment Details:**

Account Name: Principal, Dr. N.G.P Institute of Technology

Account number:755056034

Bank Name:Indian bank

Branch:Kalapatty

IFSC CODE:IDIB000K173

**CONTACT DETAILS**

**Dr. J. Revathi**

Asst.Prof.(SG)/BME

Mobile:9894278986

E-mail:revathi.j@drngpit.ac.in

**Mrs. M.R.Mano Jemila**

Asst.Prof/ BME

Mobile:9952837854

E-mail:manojemila@drngpit.ac.in

**ORGANIZING COMMITTEE**

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**Dr.Nalla G.Palaniswami**

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Professor & Head

Department of Biomedical Engineering

Dr. N. G. P. Institute of Technology

**Organizing Secretaries**

**Dr. J. Revathi, Asst.Prof.(SG)/BME**

**Mrs. M.R.Mano Jemila, Asst.Prof/ BME**



**Council of Scientific and Industrial  
Research (CSIR)**

*Sponsored*

**Two-Day National Level  
Seminar**

*on*

**Effective Strategies for Enhancing  
Cognitive Rehabilitation for Children  
Diseased with Autism Spectrum  
Disorder**

**11<sup>th</sup> Jan 2024 & 12<sup>th</sup> Jan 2024**

*Organized by*

Department of

Biomedical Engineering



**Dr.N. G. P. Institute of Technology  
(An Autonomous Institution)**

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized by UGC and Accredited by NAAC with A+ and

**NBA(BME, CSE, ECE, EEE and MECH)**

Kalapatti Road, Coimbatore – 641 048.

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

Dr. N.G.P. Institute of Technology established in the year 2007 is located in Coimbatore, Tamil Nadu. It is run by Dr. N. G. P. Research and Educational Trust, Coimbatore. The Chairman Dr. Nalla G. Palaniswami and Secretary Dr. Thavamani D.Palaniswami are basically medical practitioners by profession, started this Institution with the vision of imparting quality technical education. Dr.N.G.P. Institute of Technology is an autonomous institution and approved by All India Council for Technical Education (AICTE) and affiliated to Anna University, Chennai. It is also recognized by UGC under Section 2 (f) and 12(B), accredited by NAAC with A+ (3.36 out of 4) and eligible programmes are accredited by NBA (BME, CSE, ECE, EEE and Mechanical). The Institute offers 9 Under Graduate Programmes in BE - BME, CSE, CSBS, Civil, ECE,EEE and Mechanical and B.Tech - IT and AIDS. It also offers 4 Post graduate Programmes namely ME - Computer Science and Engineering, Embedded Systems Technologies, Power Electronics and Drives along with MBA. The Departments of CSE, ECE, EEE and Mechanical Engineering are Recognized Research Centres of Anna University, Chennai. The students are passionately mentored by 183 faculty members out of which 68 faculty members are holding their Ph.D Degree and 69 are pursuing their Ph.D. The Institute is located within a serene green campus and has well planned infrastructure. The institute also established center for e-learning,TLC and digital library to enrich teaching-learning process. Through AICTE funded IIPC, the Institute established industry powered centers like Center for Robotics e-Yantra, Texas Instruments Center, NI LabVIEW Academy, etc., to train the students on emerging technologies. In order to bridge the gap between industry and academia MoUs have been signed with SIEMENS Ltd, Oracle Corporation, CISCO Systems Inc, Texas Instruments, IBM India Pvt. Ltd., National Instruments, CODISSIA, Siemens Healthcare Pvt. Ltd., KEF Infrastructure India Pvt. Ltd. etc.

## ABOUT THE DEPARTMENT

The Department of Biomedical Engineering has been in existence since 2012. The Department has grown into a full fledged one with well equipped lab facilities and Infrastructure. The Department has well experienced Faculty members of various specializations. The department has signed MoU with various core companies and has collaboration for Research & Development / Student Projects and Consultancy works. Since inception, the department provides an encouraging environment and imparts the latest advancements in knowledge and skills through innovative methods of teaching. The students are trained to upgrade themselves and the department is striving to mould them in to a better engineer in this society.

## 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 innovativebiomedical products.

### MD 2

Imparting quality education through innovative Teaching–Learning methodologies.

### MD 3

Collabrating with healthcare industries for education,training,research and development.

### MD 4

Establishing state-of-art facilities to enhance the technical skills.

### MD 5

Providing sustainable solutions for challenges in global healthcare with ethical,social and moral values.

## ABOUT THE SEMINAR

The primary focus of this scientific endeavour is to explore and implement effective interventions that foster cognitive capabilities and functional skills in children who suffered from Autism Spectrum Disorder (ASD) through the use of a comprehensive cognitive rehabilitation system. Autism Spectrum Disorder (ASD) is a neurological disorder that has great impact on social interaction, communication, and behaviour.

In the context of this study, cognitive rehabilitation refers to a systematic and evidence-based approach aimed at fostering the development of children with ASD by enhancing their abilities in areas such as attention, memory, problem-solving, and executive functions.

This seminar provides insights about Cognitive Rehabilitation Systems for children with ASD to promote cognitive functioning, independence, and overall quality of life, thereby providing more effective strategies and interventions to support children with ASD and enhance their overall well-being.

## RESOURCE PERSONS

**Dr. Rajesh Shankar Iyer**  
Consultant Neurologist  
Kovai Medical Center and Hospital  
Coimbatore.

**Dr. Balaji Jayaprakash**  
Associate Professor  
Indian Institute of Science(IISC)  
Bangalore.

**Dr. Subha D Puthankattil,**  
Associate Professor  
Department of Electrical Engineering  
National Institute of Technology  
Calicut.

**Dr. Jitendra Singh Sinha**  
Chief Scientific Officer  
GloNeuro Academy  
Ultra Pradesh

**Dr. Sathyaseelan M.M**  
Psychiatrist  
Assistant Professor  
Department of psychiatry  
KMCH Institute of Health Sciences and Research,  
Coimbatore

## IMPORTANT DATES

Last date for Registration : **5.1.2024**

## REGISTRATION FEE

MEMBERS	Amount in Rupees
Faculty & Students From Academic Institutions Industry and R & D Organizations	500