Dr.N.G.P. INSTITUTE OF TECHNOLOGY

COIMBATORE – 641 048.

Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi.
Recognized by UGC & Accredited by NAAC with A+ NBA
(BME,CSE,ECE,EEE & Mechanical)

Department of Information Technology
Newsletter

June 2019 - May 2020 | Volume 9

2019-2020

Chief Patrons

Dr.Nalla G Palaniswami
Chairman

Dr.Thavamani D. Palaniswami
Secretary

Patron

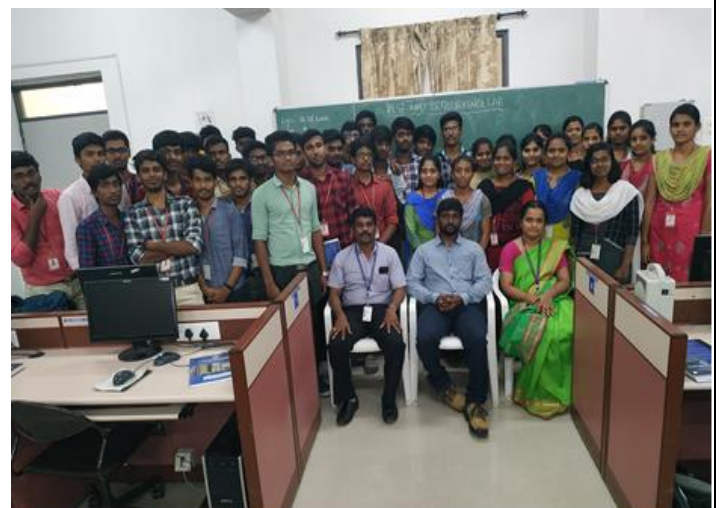**Dr. K.Porkumaran**
Principal

Editor

Dr. S.Sankar Ganesh
Head of the Department –IT

Editorial Committee

Ms.K.Mouthami
Assistant Professor/IT
Mr.S.Dayanandhan
B.Tech.IT (IV Year)

Contents…

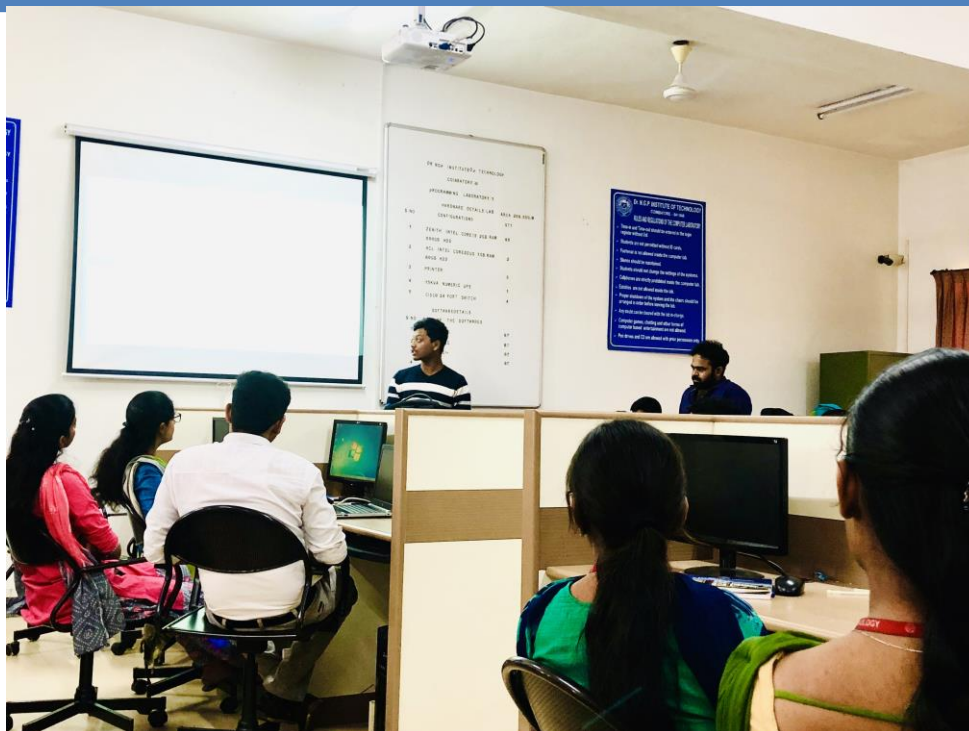| Programmes Organized |
| Faculty Participation |
| Student Achievements |
| Placement Activities |

ASSOCIATION INAUGURATION

IT Department Association **XEMAC** was inaugurated by Mr.Felix Immanuel, Business Analyst Manager, SPAN Technology Service Private Limited, Coimbatore on 10.07.2019.

PROGRAMMES ORGANIZED
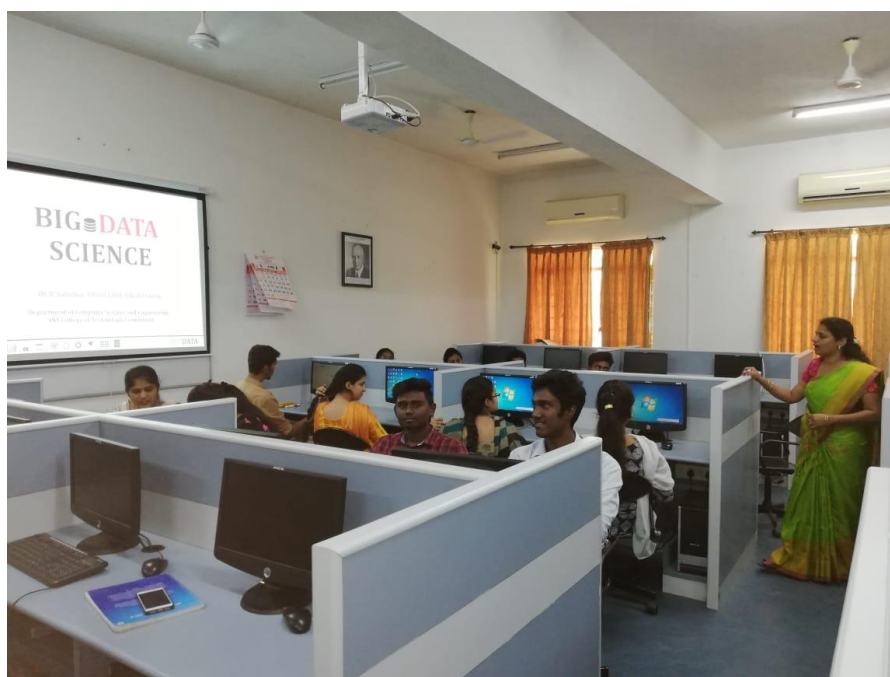
WORKSHOPS CONDUCTED

The Department of IT of Dr.N.G.P.IT organized three days workshop on "**Soft Computing**" by Dr.T.Vigneswaran, Founder & CEO, Nandha Info Tech, Coimbatore, from 23.09.2019 to 25.09.2019

The Department of IT of Dr.N.G.P.IT organized One day workshop on "**Out System – Low Code App System**" in association with ISACA Student Chapter by Mr.G.Mathu, Quality Analyst, Sports Made Easy Pvt.Ltd., Coimbatore, Mr.S.Gowtham, Senior Software Engineer, Ernst & Young, Bangalore and Mr.V.Kaarthick, Software Engineer, Ernst & Young, Bangalore, on 01.02.2020

SEMINAR ON DATASCIENCE AND BIG DATA ANALYTICS

The Department of IT of Dr.N.G.P.IT organized One day "SEMINAR ON **DATA SCIENCE AND BIG DATA ANALYTICS**" by Dr.R.Sabitha, Associate Professor, CSE, SNS College of Technology, Coimbatore on 27.09.2019". She gave brief talk on data science based on Industrial scenario.

ALUMNI LECTURE SERIES

Ms. Reshma, .Net Developer, Vuedata Technologies Pvt Ltd, Chennai and **Ms. Sindhu Priya,** Java developer, Vuedata Technologies Pvt Ltd, Chennai both 2015-2019 batch interacted with students and delivered a speech on "Enrich Programming Skills" on 30.08.2019.

Mr.Hans Jenith (2013-17 batch) , Software Developer, Zoho Corporation, interacted with the students and gave an insight about "Job Opportunities" on 07.09.2019.

MOU SIGNED

Name of the Industry/Organization	Date of Inauguration	Chief Guest
National Cyber Safety & Security Standards, New Delhi	28.11.2019	Thiru Sujith Kumar IPS, Superintendent of Police (SP), Coimbatore. Dr.E.Khalieraaj Additional Director – General, National Cyber Safety and Security Standards, New Delhi

CONSULTANCY

Principal Investigator	Title of the Project	Funding Agency	Duration	Fund Received	Status
Mr.D.Premkumar Mr.S.Parandaman	Website Development for Thai Vegetables	Thai Vegetables, Tiruppur	3 months	Rs.10,000/-	Completed

PATENT

Name of the publisher	Title	Date	National / International	Application Number	Specify Affiliating institution	Status (Filed and published / Granted)
Dr.D.Palanikkumar	A Novel Block-Based Reinforcement Learning Move Toward for Resource Allocation in Clustered IoT Networks	14.02.2020	National	202041005374 A	Dr.N.G.P. Institute of Technology	Filed & Published
Dr.J.Manikandan	A Device for Reaping Fruit on a Tree	06.03.2020	National	202041006805 A		Filed & Published
	A Smart Music Player based upon Mood the User using AI Techniques	06.12.2019		201941047364 A		

FACULTY PARTICIPATION

FACULTY DEVELOPMENT PROGRAMME/WORKSHOPS/SEMINARS

1. **Dr.J.Manikandan** attended 7 days FDP on "NAAC Revised Accreditation Framework and OBE Assessment Methodology" at Dr.N.G.P. Arts and Science College from 27.05.2019 to 02.06.2019.

2. **Dr.D.Palanikkumar, Dr.J.Manikandan, Mr.D.Premkumar, Mrs.Biji Rose, Mr.S.Parandaman, Mr.T.Vijayakumar and Mrs.K.Mouthami** attended 3 days FDP on "Theory of Computation" at Dr.N.G.P. Institute of Technology from 10.06.2019 to 12.06.2019.

3. **Mr.T.Vijayakumar & Mr.Mani Deepak Choudhry** attended "Hands-on Training on IoT" at Dr.N.G.P. Institute of Technology from 20.06.2019 to 21.06.2019.

4. **Dr.S.Sankar Ganesh** attended "11th National Cyber Safety and Security Standards Summit '19 (XI Edition)" organized by National Cyber Safety and Security Standards in association with Ministry of Electronics & Information Technology, Govt. of India, Anna university, Chennai and IIT Madras at Vivekananda Auditorium, Anna University, Guindy, Chennai and IIT Madras from 21.06.2019 to 22.06.2019.

5. **Mrs.Biji Rose** successfully completed FDP on "Psychology for Everyday" organized by NPTEL from July to September 2019.

6. **Mr.Mani Deepak Choudhry** successfully completed FDP on "Stress Management" organized by NPTEL from July to September 2019.

7. **Dr.J.Manikandan** attended Faculty Industrial Interaction with TCS organized by IIT PALS at IITM Research Park, Chennai on 23.10.2019.

8. **Mr.S.Parandaman** attended 3 days FDP on "FDP on TLC" organized by IIT PALS at IITM Research Park from 12.11.2019 to 14.11.2019.

9. **Mr.S.Parandaman** attended 6 days MeitY – Electronics & ICT Academy Sponsored FDP on "Machine Learning and Artificial Intelligence" at PSG College of Technology, Coimbatore from 23.12.2019 to 28.12.2019.

10. **Mrs.A.Gowthami** attended 2 days ICT Academy sponsored FDP on "Angular JS" at Karpagam College of Engineering, Coimbatore from 19.12.2019 to 20.12.2019.

11. **Mrs.Biji Rose & Mr.Mani Deepak Choudhry** attended 3 days ICT Academy sponsored FDP on "Fundamentals of Machine Learning" at PSG College of Arts and Science from 06.02.2020 to 08.02.2020.

12. **Mrs.Biji Rose, Mr.Mani Deepak Choudhry** and **Mrs.K.Mouthami** attended research seminar on "Development of Wearable Supernumerary Robotic Arms based on Neural Network Regression and Latest Trends in Green Energy in Smart City" at Dr.N.G.P. Institute of Technology, Coimbatore, on 12.02.2020.

13. **Dr.S.Sankar Ganesh** attended 45th edition of ICTACT Brigade 2020 at IITM Research Park, Chennai on 26.02.2020.

SHORT TERM COURSES

1. **Mrs.Biji Rose** successfully completed 8 weeks NPTEL Online course on "Psychology for Everyday" during September 2019.

2. **Mr.Mani Deepak Choudhry** successfully completed 8 weeks NPTEL Online course on "Stress Management" during September 2019.

CONFERENCE							
S. No.	Name of the Faculty	Title of the Paper	Name of the Conference & Publisher	International / National	Vol. & No.	Month & Year	ISSN/ ISBN Number
1	Dr.J.Manikandan,	Monitoring Emotions In The Classroom Using Machine Learning	International Journal of Scientific & Technology Research	International	*Volume 9*	January 2020	*ISSN: 2277-8616*

JOURNAL							
S. No	Name of the Faculty	Title of the Paper	Name of the Journal & Publisher	National/ International	Vol. & No.	Month & Year	Indexed Yes/No
1	Ms.BijiRose	Where Is My Device	IJARCET	International Journal of Advanced Research in Computer Engineering & Technology	Vol 9 Issue-3	Mar-20	No
2	Dr. J. Manikandan	Monitoring emotions in the classroom using machine learning	IJSTR	International journal of Scientific & Technology Research E40	Vol 9 Issue-1	Jan-20	Yes

3	Mr.Mani Deepak Choudhry	Flood Prediction Using Multilevel Sensor	IJARCET	International Journal of Advanced Research in Computer Engineering & Technology	Vol 9 Issue-3	Mar-20	No
4	Mr.Mani Deepak Choudhry	Prediction of Dengue Fever using Neuro Hybrid Algorithm	IJARCET	International Journal of Advanced Research in Computer Engineering & Technology	Vol 9 Issue-3	Mar-20	No
5	Mr.Mani Deepak Choudhry	A Real Time Solution To Water Monitoring Using Multi Sensor	IJARCET	International Journal of Advanced Research in Computer Engineering & Technology	Vol 9 Issue-3	Mar-20	No
6	Ms.Biji Rose	School Bus Tracking and Surveillance	IJARCET	International Journal of Advanced Research in Computer Engineering & Technology	Vol 9 Issue-3	Mar-20	No
7	Mr.T.Vijayakumar	Biomietric Voting System Using Face Recogniton	IRJET	International Research Journal of Engineering and Technology	Vol. 9 Issue 4	April-20	No

<p align="center">**STUDENT ACTIVITIES**</p>

PAPER PRESENTED/ PAPER PUBLISHED/ AWARD RECEIVED

Award Received

1. **Saurabh** won ISTE Best Student Award for the year 2019-2020 in 19th ISTE TN Section Annual Engineering Students Convention at PSG Institute of Technology and Applied Research, Coimbatore, on 18.12.2019.

WORKSHOP/SEMINAR ATTENDED

1. 11 students of II B.Tech IT and 10 students of III B.Tech IT attended IIT PALS workshop "Industry Revolution 4.0" at Kalaignar Karunanidhi Institute of Technology, Coimbatore, on 02.08.2019.

2. **Vinitha S** attended workshop on "Python Programming" at Rathinam Technical Campus, from 03.08.2019 to 04.08.2019.

3. **Nithin M S and Suresh Karthik K C** attended "IoT Hackathon Contest" in Chennai, on 15.08.2019.

4. **Aravindh M P, Gowtham S, Pushpanathan G, Raagul T and Satheesh Muppudathi E** attended a workshop on "Hashtag 2.0" at Coimbatore Institute of Technology, Coimbatore, from 28.08.2019 to 29.08.2019.

5. **Vinitha S and Akila Sri M** attended workshop on "One day district editorial workshop" at Coimbatore Institute of Technology, Coimbatore, on 08.09.2019.

6. **Arishkumar N, Dinesh Kumar D, Gowtham S, Karthi S and Jaswanth R** attended workshop on "Ethical Hacking" at Dr.N.G.P. Institute of Technology, Coimbatore, from 19.09.2019 to 20.09.2019.

7. 19 students of II B.Tech IT attended workshop on "Cyber Security" at Dr.N.G.P. Institute of Technology, Coimbatore, from 19.09.2019 to 20.09.2019.

8. **Abinandhini R, Iswarya K and Vignesh G** attended workshop on "MATLAB & Deep Learning" at Dr.N.G.P. Institute of Technology, Coimbatore, on 20.09.2019.

9. 18 students of II B.Tech IT and 21 students of III B.Tech IT attended 3 days workshop on "Soft Computing" at Dr.N.G.P. Institute of Technology, Coimbatore, from 23.09.2019 to 25.09.2019.

10. **Priyadharshini V, Sandhiya R R and Vani Shree K** attended one week workshop on "Salesforce" at Dr.N.G.P. Institute of Technology, Coimbatore, from 23.09.2019 to 28.09.2019.

11. **Adhishree J, Mahilan S and Swathika N** were part of organizing a conference in Naidu School through an NGO YOU & US, from 06.12.2019 to 07.12.2019.

12. 9 students of II B.Tech IT and 10 students of III B.Tech IT attended a "STEP QUIZ on Communication" at Dr.N.G.P. Institute of Technology, Coimbatore, on 25.01.2020.

13. 10 students of II B.Tech IT attended "Hands-on Training on IoT" at Dr.N.G.P. Institute of Technology, Coimbatore, from 10.02.2020 to 11.02.2020.

14. **Archana G and Praveena P** attended three days workshop on "Industry 4.0 and Machine Learning" at Sri Shakthi Institute of Engineering and Technology, Coimbatore, from 06.02.2020 to 08.02.2020.

15. **Abinandhini R, Iswarya K and Sherly Lida S** attended workshop on "Cyber Security" at Kongu Engineering College, Coimbatore, on 15.02.2020.

16. **Dineshkumar S, Karthikeyan S and Mahilan S** participated in IIT INNOWAH contest organized by IIT PALS at IITM Research Park, Chennai, from 25.02.2020 to 27.02.2020.

17. 15 students of III B.Tech IT attended "Hands-on Training on IoT" at Dr.N.G.P. Institute of Technology, Coimbatore, from 27.02.2020 to 28.02.2020.

18. **Ilayabharathi M** attended workshop on "Big Data" at M.Kumarasamy College of Engineering, Karur, from 28.02.2020 to 29.02.2020.

STUDENTS ACHIEVEMENTS

S.No	Name of the Student	Nature of the Event	Organiser	Date	Prize Won
5	Dharani B, Priyanka V, Nandhini V and team	Engineering Fest	Firebird Institute of Research in Management	21.09.2019	2nd prize in urban planning Event
6	Nivetha B				1st prize in Tower Building Event
7	Adhishree J	TECHFEST 2020	Dr.N.G.P.IT	11.01.2020	1st prize for English Poem writing
					3rd prize for English Extempore
8	Geethanjali S				1st prize for Tamil Poem

9	Aravindh M P, Aswath G, Gowtham S, Pushpanathan G and Satheesh Muppudathi E	TECHFEST 2020	Dr.N.G.P.IT	11.01.2020	1st prize for ADZAP event
10	Dhakshayani R, Roshna N and Shruthi S				2nd prize for English debate
11	Nandhin M, Subhashree S	13th Annual Sports Day	Dr.N.G.P.IT	08.02.2020	Winner of throwball match
12	Anusurya P, Kousalya S				Runner of throwball match
13	Dharani Shree and team				Winner of Badminton match

PLACEMENT ACTIVITIES

Career Prospects

Engineers in this field are the backbone of any industrial application across the globe. The main objective of the department is to produce professional engineers who are capable of analyzing and designing real time computing systems.

In this Academic year, students are placed in the following leading companies:

- Tata Consultancy Services
- Wipro Limited
- Infosys
- L - Cube Innovative Solutions (Glenwood Systems)
- Sopra Steria
- ATMECS Technologies
- Soft Square Solutions
- Focus Edumatics Pvt Ltd
- Savvysoft Technologies Private Limited
- Span Technology Services
- iGenius Artificial Intelligence Services