SPARKZ

NEWSLETTER, VOLUME 12
[JANUARY 21 – MAY 21]

WHAT'S INSIDE?

FULL STACKERS
HACKATHON

PYGAME
DEVELOPMENT

PROJECT EXPO

RC AIRCRAFT

DIVE IN TO KNOW MORE
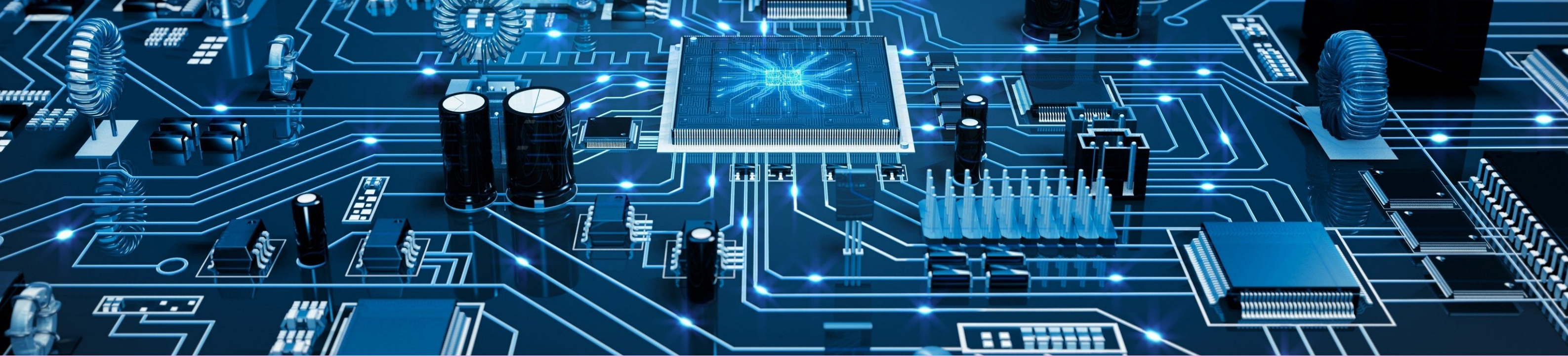
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HOD'S DESK

Dr.C.Gnana Kousalya, M.E.,Ph.D
Professor & HOD
(Staff & Student Affairs)

Dr.G.Rohini, M.E.,Ph.D
Professor & HOD
(Lab Affairs)

VISION

To come forth as an eminent department in the field of electronics and communication engineering, research for providing ethical resource persons to serve the industry and society with technical excellence.

MISSION

- To organize exclusive courses, conferences, seminars on the current technological developments which will be an added benefit for bringing out the various talents in the students and faculties.

- To sustain connectivity with industries to get on par with the recent technologies and research.

- To foster career improvement through placements, higher education and entrepreneur skills by continuous training and guidance. sustain connectivity with industries to get on par with the recent technologies and research.

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STUDENT ACHIEVEMENTS

COVID-19 NATIONAL BIO INFORMATICS ONLINE HACKATHON FOR FULL STACKERS

The COVID 19 pandemic has infected millions. Our Students Mr. Dhanush B, Mr. Bharath S J and Mr. Aravindhan A T from III Year **won the state level citation** in **Covid-19 National Bio Information online Hackathon** for Full Stackers organized by Anna University, BIT Campus, Trichy & All India Council of Technical Education (AICTE). They developed the app **"LIFE CARE"**.
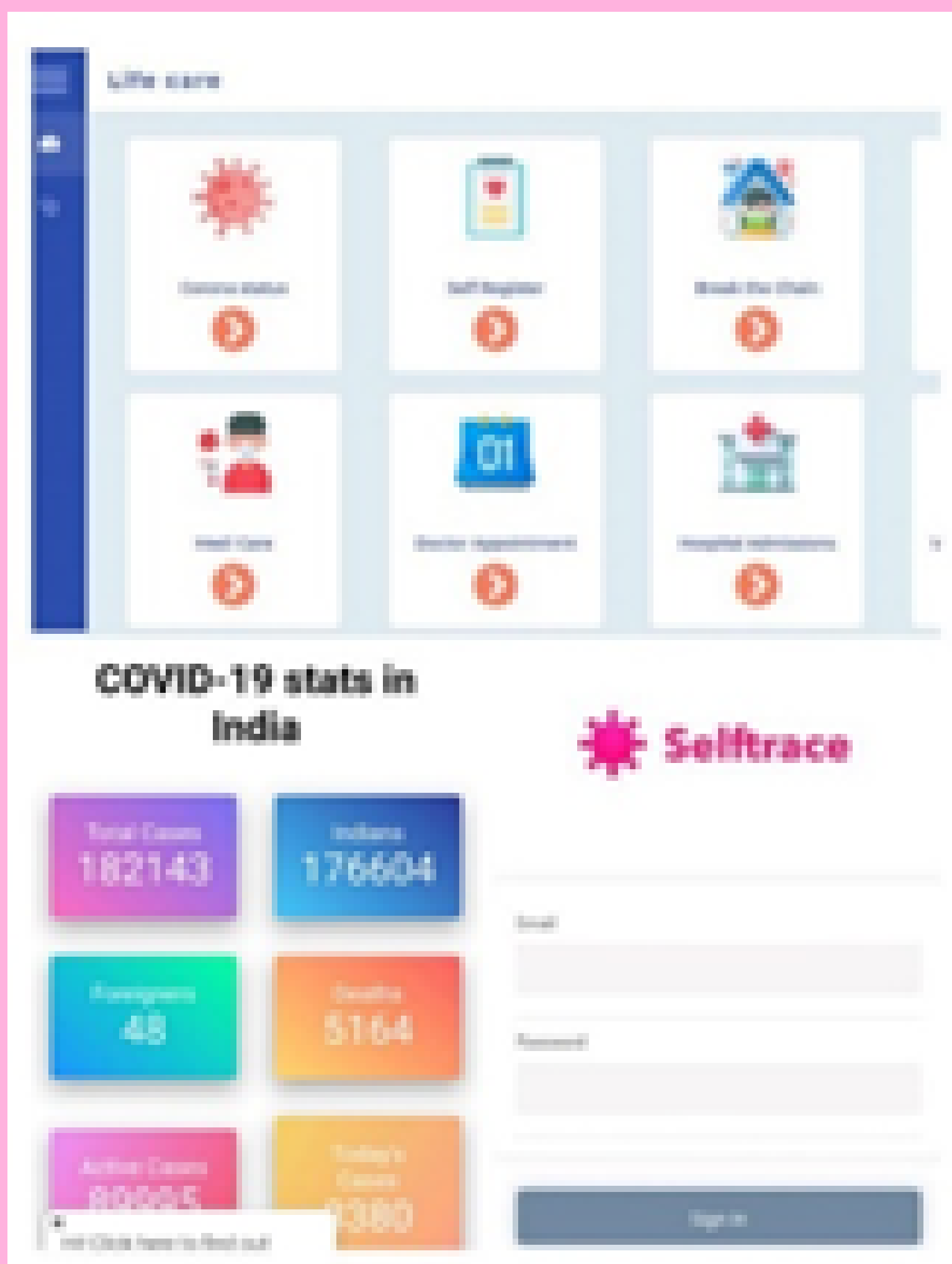

MR. DHANUSH B

MR. BHARATH S J

MR. ARAVINDHAN A T

LIFE CARE

"All our dreams can come true, if we have the courage to pursue them." - Walt Disney

PAPER PRESENTATION AWARDS

SELVAMADHAVAN N
IV ECE
"PERSONAL MEDICINE SUCCOUR"
IIRM-BEST PRESENTATION AWARD
IIRM INSTITUTE, ANDHRA PRADESH

VIJAY S
IV ECE

SURIYA NARAYANAN N V
IV ECE

"POST-ACCIDENT ALERT SYSTEM USING CLIENT-SERVER BASED SYNCHRONOUS COMMUNICATION MECHANISM"
ICIRMEEE 2021 – BEST PAPER AWARD
DEPARTMENT OF EEE, AMET UNIVERSITY

"The secret of getting ahead is getting started." - Mark Twain

STUDENT DEVELOPMENT PROGRAM

The department of Electronics and Communication Engineering and the Electronics and Robotics Club jointly conducted a **"STUDENT DEVELOPMENT PROGRAM ON PYGAME"** from **24 April 2021 to 30 April 2021**. A total of **65 participants** from various schools attended the webinar series from all over Tamil Nadu and actively participated in the webinar and benefitted from the event. Student development is the integration of academic learning programs with personal improvement and individual growth. It is a student centered holistic experience focused on understanding value nurturing skills. It provided a platform for both the sides to accelerate their carrier and personal skills .The main objective of the program was to enlighten the students on **python programming and game development**. Two students were chosen per day from our department for sharing their knowledge and experience. The speakers were enthusiastic and determined to teach the young minds. We received a great feedback from the participants and they received a good perspective of our Institution and are grateful for the opportunity and platform provided. **E-Certificates were provided to the participants who attended all the 6 days.**

"Aim for the moon. If you miss, you may hit a star."
–W. Clement Stone

PROTOSTORM 2.0

The Department of Electronics and Communication Engineering, St. Joseph's Institute of Technology, St. Joseph's Group of Institutions in association with IEEE RAS Society conducted a Mega Project Expo Competition **"PROTOSTORM 2.0"** exclusively for Polytechnic ECE students, on 10th May 2021. A total of **46 batches** registered from various Polytechnic Institutions. The participants showed great interest and actively participated. The main objective of this Project Expo was to create a platform and give the participants an exposure to the various fields in today's technology under electronics and communication and to bring out the innovative project ideas from the students. The participants were very interactive and spontaneous in sharing their skills. Participants have acknowledged that it was a refreshing and an eye opening session and were looking forward to many forums in the future. E-Certificates were provided to all the participants.

"The future belongs to those who believe in the beauty of their dreams." –Eleanor Roosevelt

STUDENT WORKSHOP

## WORKSHOP ON DESIGN, FABRICATION AND PROGRAMMING RC AIRCRAFT

St. Joseph's Institute of Technology, Department of Electronics and Communication Engineering in association with Asimov Global Technologies organized a two day workshop on **"Design, Fabrication and Programming RC Aircraft"** from **18.03.2021 to 19.03.2021** exclusively for the II year ECE Students. A total of **158 participants** actively participated in the workshop and benefitted out of it. The main objective of this workshop was to help the students learn the different parts of plane and paper airplane designs. The students designed and built (fold, cut) a plane, which they tested for flight distance and time. **64 models** was developed within **12 hours** by our students.

Building Aircraft

"Do not wait, the time will never be just right. Start where you stand, and work with whatever tools you may have at your command, and better tools will be found as you go along."
– George Herbert

STUDENT WORKSHOP

WORKSHOP ON DEEP LEARNING FOR WIRELESS COMMUNICATION IN MATLAB
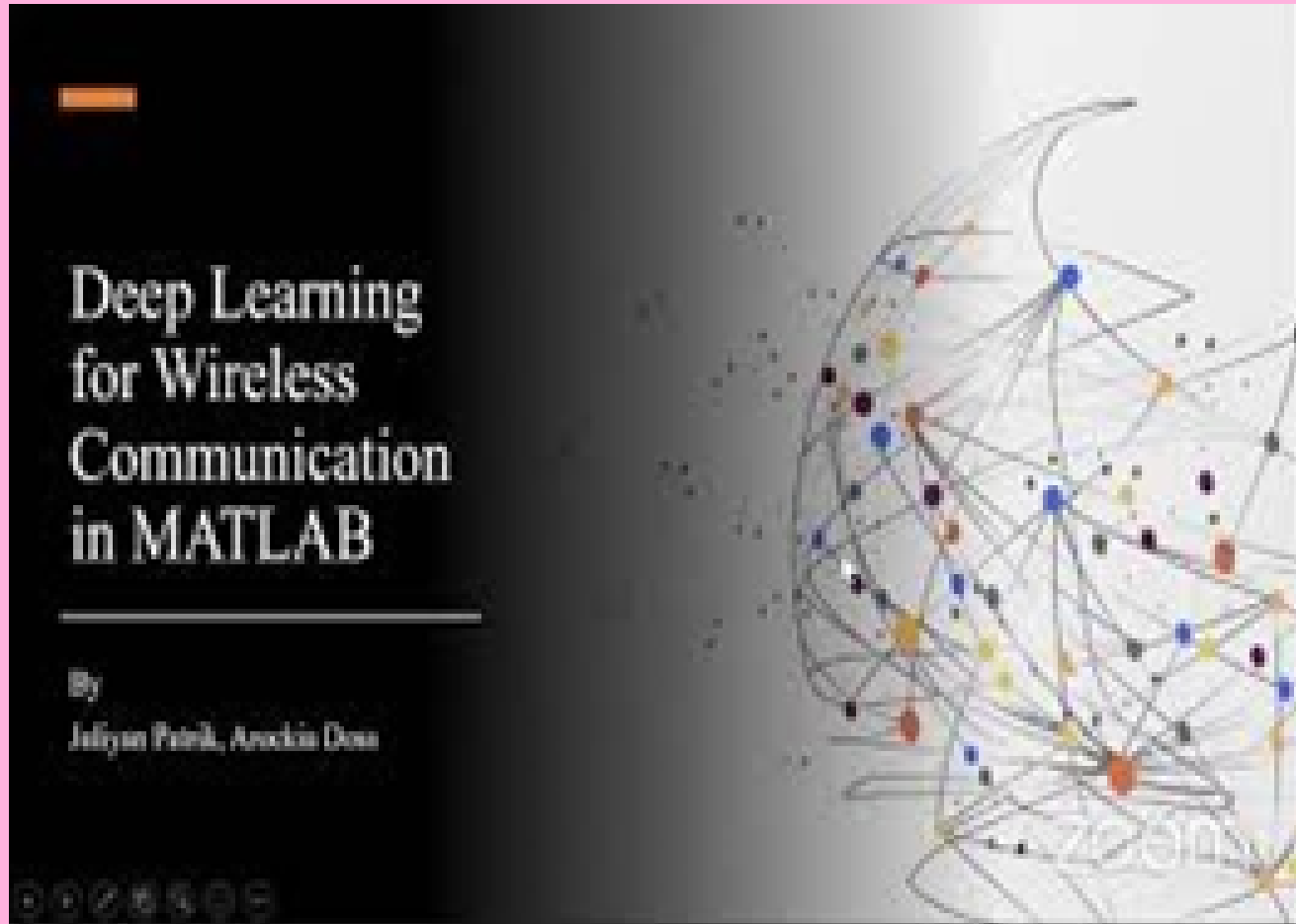
St. Joseph's Institute of Technology, Department of Electronics and Communication Engineering and IEEE Society jointly organized a two days online workshop on the topic of **"Deep Learning for Wireless Communication in MATLAB"** on **27.03.2021 and 28.03.2021** by **Mr. Juliyan Patrik A**, Graduate Research Assistant at Gannon University, Pennsylvania, United States. The **157 participants** actively participated in the workshop and benefitted out of it. The workshop mainly focused on **OFDM implementation** and introduction to the **basics of Deep Learning**. The sessions were more practical and the participants gained a lot of knowledge on the recent trends in wireless communication and their applications in real life. The speaker was immensely interactive and cleared the doubts and answered all their queries.

"Don't limit yourself. Many people limit themselves to what they think they can do. You can go as far as your mind lets you. What you believe, remember, you can achieve."
- Mary Kay Ash

EDITORIAL TEAM

Staff Editors

D.SURESH M.E., (Ph.D), Assistant Professor

Student Editors

R.MADHU MITHA B.E., ECE (Third Year)
SN.KAILASHSUNDARAM B.E., ECE (Third Year)

"Don't watch the clock; do what it does. Keep going."
– Sam Levenson