In This Issue. . .

Dear friends! COMPSIG NITT is a monthly newsletter to share the research work done in the Pattern recognition and computational intelligence laboratory, Department of Electronics and Communication Engineering, National Institute of Technology Trichy.

Concepts, Ideas pertaining to Computational intelligence, Pattern recognition and Signal processing are also included in this newsletter.

We expect the feedback, comments and articles from you all.

Volume 5, Issue 10: October 2019

Team members

1. Dr.E.S.Gopi, Co-ordinator.
2. G.JayaBrindha, Ph.D. Scholar.
3. Neema. M, Ph.D. Scholar.
4. Rajasekharreddy Poreddy, Ph.D Scholar.
5. Vinodha K, Ph.D Scholar.
6. Shailendra Singh, M.Tech, Communication systems.
7. Mayank Lauwanshi, M.Tech, Communication systems.

Scan the QR code for previous issues of our newsletter

Guest Lecture at World Standards Day 2019

On the occasion of World Standards day 2019, a guest lecture was organized by Bureau of Indian Standards, Southern regional office on October 14, 2019. Dr E.S.Gopi delivered a lecture on "Video Standards create a Global Stage". The talk included the need for the digital quality standards for images and videos. The technology behind the videos and images should be subjected to the World Standards. In future, artificial intelligence will play a major role in official, entertainment and sports videos and images. Artificial intelligence is infusing the state of art techniques in such videos and images for information retrieval. Increase in the use of videos and images provokes a question in the quality of videos whether it is original or tampered. With the advent of artificial intelligence, it is possible to create a image or video of a person who does not exist. To avoid this, digital quality standards should be followed similar to the quality checks in Gold, Silks etc. The talk was inaugurated by T Kalaivanan, Deputy Director, BIS Southern Regional Office. Sanjeev Chaturvedi, Scientist, BIS, Narasimha Sharma, Director, IIIT Trichy, M.S.Ramesh, Additional General Manager, BHEL were also present during the talk.

Link to the article: Newspaper article

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Recognition for Publication

We are happy to announce that, G.JayaBrindha has received an Award and Certificate of Recognition from IEEE Madras Section for her publication titled "Ant Colony Technique for Optimizing the Order of Cascaded SVM Classifier for Sunflower Seed Classification" during the IEEE day celebrations 2019.

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Program Elective for UG

Digital Signal Processing for Wireless Communications is offered as a program elective for B.Tech in next semester by Dr. E.S.Gopi, Associate Professor, Dept. of ECE. If you are interested, fill the Google form for expression of interest.

Tentative evaluation scheme(weightage)-Under flexible curriculum structure.

- **Cycle test 1 - 15%**
- **Cycle test 2 - 15%**
- **Matlab simulation experiment - 20%**
- **End semester exam - 50%**

Expression of interest through the link: Link for DSP for Wireless Communication

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Program Elective for PG

Pattern Recognition and Computational Intelligence is offered as a program elective for M.Tech Communication systems in next semester (II semester) by Dr. E.S.Gopi, Associate Professor, Dept. of ECE. If you are interested, fill the Google form for expression of interest. The outcomes of the course are,

- **Summarize the various techniques involved in pattern recognition.**
- **Identify the suitable pattern recognition techniques for the particular applications.**
- **Categorize the various pattern recognition techniques into supervised and unsupervised.**
- **Summarize the mixture models based pattern recognition techniques.**
- **Summarize the various computational intelligence techniques for pattern recognition.**
- **Tutorial on MATLAB/Python programming.**

Tentative evaluation scheme(weightage)-Under flexible curriculum structure.

- **Cycle test 1 - 15%**
- **Cycle test 2 - 15%**
- **Matlab/Python simulation experiment - 20%**
- **End semester exam - 50%**

Expression of interest through the link: Link for PRCI

Link to the review about the course: COMPSIG NITT Newsletter, April 2019

Link to the video lectures: Video lectures on Pattern Recognition

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Quotes

> *"Life is a difficult game. You can win it only by retaining your birthright to be a person"* — Dr. A.P.J.Abdul Kalam

Publication

We are happy to announce that book on Pattern Recognition and Computational Intelligence Using Matlab, Springer Publications is available now. Buy your copy at the earliest.

Link for buying the book

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Feedback

COMPSIG NITT invites articles and innovative ideas from readers for the Reader's Space column. We expect feedback and comments to monthly newsletter COMPSIG NITT . A facebook group, "COMPSIGNITT" is created for the readers to share their views. Those who are interested can be a part of the facebook group.

Follow us on Research gate: COMPSIG NITT

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