

SKCT

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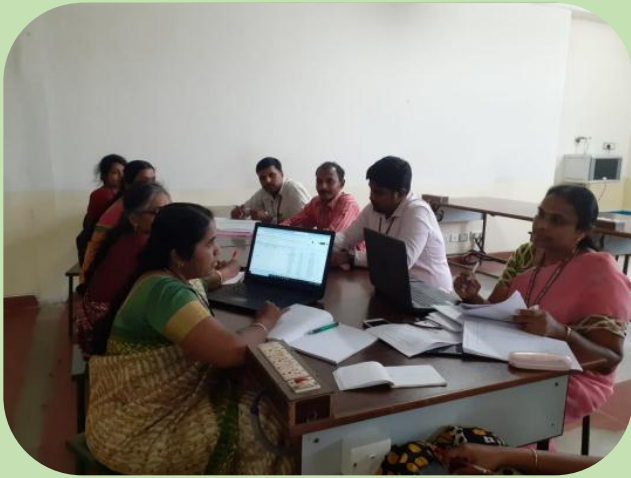
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MEETINGS & DISCUSSIONS



Dr.K.Sumathi-Prof/ECE conducted a meeting with other department coordinators to verify NAAC criteria 2 completion status and gave few suggestions.

ACTIVITIES

Mechanical department - PRIDE Activity - One team among the four have been shortlisted for next round for ELGI technology day.

Project name: Real time air purity monitoring using IOT

Project team: Mr.Sriakilan and Mr.Sasidhar

Project Mentor: Dr.Santhosh srinivasan



IT Department -Networking SIG has released its first video on "how to send data from Nodemcu to cloud (Firebase) on SKCT IoT Innovations -YouTube channel

AKHBAAR

NATIONAL NEWS:

- ⇒ RBI Showers Rs.1.76 lakh crore bonanza on government- *The Hindu*
- ⇒ PM rejects scope for third party mediation in Kashmir-*The Hindu*
- ⇒ G7 pledges millions to fight Amazon fires-*The Hindu*
- ⇒ Vulture population on the rise in the Nilgiris-*The Hindu*
- ⇒ Contests, exhibition for school students on August 30-*The Hindu*
- ⇒ Tamil Nadu's first public electric bus ferries passengers in Chennai- *The Hindu*
- ⇒ Chief Minister launches KalviTV- *The Hindu*
- ⇒ 'Ban plastic flowers imported from China'- *The Hindu*
- ⇒ Chandrayaan-2 scans Mitra crater- *The Hindu*
- ⇒ PM highlights war on single-use plastic- *The Hindu*
- ⇒ Imports from U.S. to grow, trade Ministers to meet soon-*The Hindu*
- ⇒ Trump turns bilateral on Kashmir-*The Indian Express*
- ⇒ SIDCO units two acres away from expansion-*The Indian Express*

INTERNATIONAL NEWS :

- ⇒ PM Modi made a historic blunder: Imran-*The Hindu*
- ⇒ Signs of hope as Trump says U.S. China trade talks are on-*The Hindu*
- ⇒ Hundreds of new fires flare up in Amazon-*The Hindu*
- ⇒ 'Energy reason for U.S. wealth'-*The Hindu*
- ⇒ 'Address root causes of religious extremism'-*The Hindu*

BUSINESS:

- ⇒ Indices see biggest gain since May-*The Hindu*
- ⇒ Cyclical, structural issues will take time to fade away: analysis- *The Hindu*
- ⇒ Rupee breaches 72-a-dollar mark-*The Hindu*
- ⇒ Retail investors lap up NCDs as deposits, markets lose sheen-*The Hindu*
- ⇒ Exchange rate driven by capital flows, says RBI-*The Hindu*
- ⇒ Google brings Nest Hub to India- *The Hindu*

SPORTS NEWS :

- ⇒ Bumrah's fiery spell blows away the West Indies in opening Test-*The Hindu*
- ⇒ New Zealand dazzles in fading light-*The Hindu*
- ⇒ Gopi Chand and his driving force-*The Hindu*
- ⇒ Medvedev proves too good for Prajnesh-*The Hindu*
- ⇒ Steelers prevail in a touch-and-go affair-*The Hindu*
- ⇒ 'We need to be good in the middle overs'-*The Hindu*
- ⇒ Well Connected wins her third classic in a thriller-*The Hindu*
- ⇒ Karun helps himself to a big century-*The Hindu*

INTERESTING ENGINEERING

Researchers explore natural language processing to assess chess moves

Chess and AI are in the news again, this time in reports about a team who explore a model for chess via natural language processing (NLP). The learning mechanism was chess chatter—well chosen chatter. They pretrained on commentary sentiments that were associated with chess moves. The sentiments guided the agent's decision making.

Their resulting chess algorithm was designed to evaluate the quality of chess moves by analyzing the reaction of expert commentators.

The three researchers from University College London wrote a paper describing their methods and results. Isaac Kamlish, Isaac Chocron and Nicholas McCarthy wrote "SentiMATE: Learning to play Chess through Natural Language Processing," and it is up on arXiv. The paper was submitted last month.

"We present SentiMATE, a novel end-to-end Deep Learning model for Chess, employing Natural Language Processing that aims to learn an effective evaluation function assessing move quality. This function is pre-trained on the sentiment of commentary associated with the training moves, and is used to guide and optimize the agent's game-playing decision making."

Don't invite AlphaZero and this NLP model to the same party; they would stay in opposite sides of the room. The researchers wrote that Deep Mind's AlphaZero had succeeded "after millions of iterations of self-play and using thousands of Tensor Processing Units (TPUs)." That was not the case in the new research.

Instead, they said, they aimed "to tackle the assessment of the quality of individual movements through the use of Natural Language Processing...Data from different Chess websites was scraped, which included information regarding the moves being made, and a qualitative assessment of the moves themselves in the form of commentary, written by a wide range of Chess players; resulting in a large database of moves with annotated commentary."

"It evaluates the quality of chess moves by analyzing the reaction of expert commentators," said Will Knight, MIT Technology Review.

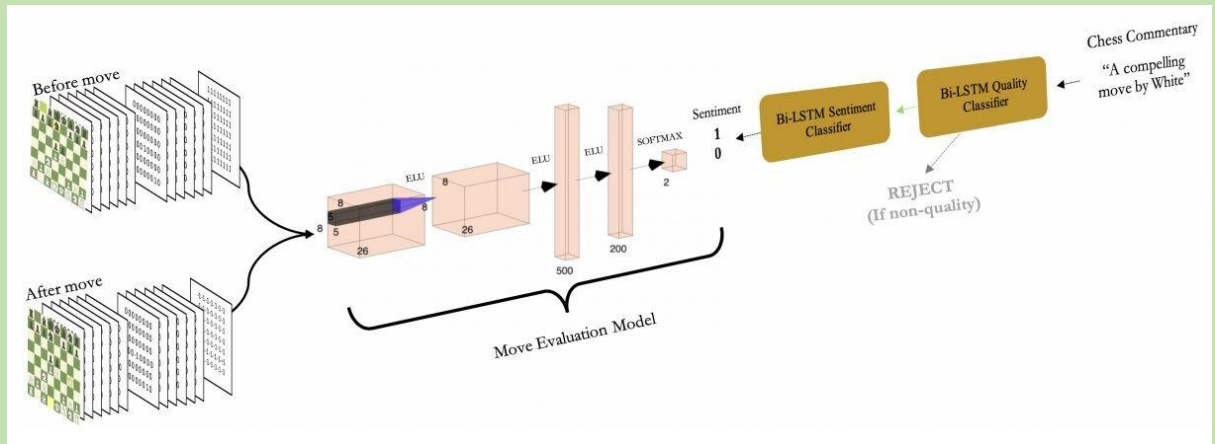
The researchers pruned out commentary that did not relate to high-quality moves and examples that were too ambiguous, he added. "Then they used a special type of recurrent neural network and word embeddings (a mathematical technique that connects words on the basis their meanings), trained on another state-of-the-art model for analyzing language."

The algorithm, called SentiMATE, worked out by itself the basic rules of chess as well as several key strategies—including forking and castling.

The team found that SentiMATE was capable of evaluating chess moves "based on a pre-trained sentiment evaluation function." They concluded that there was strong evidence to support natural language processing being used for training an evaluation function in chess engines.

The performance of their solution was less than spectacular. Knight said, "it failed to beat some conventional chess bots consistently." That, however, should not distract from the fact that SentiMATE worked, and the manner in which it worked:

"SentiMATE surprised the researchers with its ability to work out some of the basic tenets of chess as well as several key strategies, such as forking (when two or more pieces are simultaneously threatened) and castling (when the king and castle both move to a more defensive position on the back of the board," the authors said.



DID YOU KNOW???

There's a rare type of blood that's shared by only 43 people in the entire world. 'Rhnull' blood doesn't contain any of the Rh antigens that 99.9% of humans have. It's often called 'golden blood' because it can be given to anyone who has a rare Rh blood type, but there are only 9 active donors, so it's only used in extreme circumstances.



AWARENESS CORNER

WHAT HAPPENED TODAY



[1928](#) US National Championship Women's Tennis, Forest Hills, NY: Defending champion Helen Wills defeats fellow American Helen Jacobs 6–2, 6–1 for her 5th of 7 US singles crowns

[1955](#) "Guinness Book of World Records" 1st published

[1960](#) Australian swimmer John Devitt controversially wins the 100m freestyle gold medal at the Rome Olympics; recorded same time 55.2 as silver medallist American Lance Larson

[1962](#) USSR performs nuclear test at Novaya Zemlya USSR

[1985](#) Mary Joe Fernández at 14 years 8 days old becomes youngest player to win at the US Tennis Open; beats England's Sara Gomer 6-1, 6-4 in a 1st round match

HEALTH TIPS



Red Chili Can Increase Your Life Span, Learn How

Red pepper is found in every household. These are a spice that improves your food. But these red peppers give you many more benefits and you won't know about it. That's what we're going to talk about today. Despite all this, it is also beneficial for our health. In fact, according to research, red chilies reduce the mortality rate by 13 percent, mostly due to heart disease or stroke. Red pepper can enhance your life.

Research shows that people who regularly consume hot red chilies have low cholesterol levels in their body. Capsicin plays its role in reducing obesity and controlling blood flow to the arteries. However, researchers have not been able to find a system that makes life longer than eating red peppers.

Mustafa Chopan of the University of Vermont, U.S.A., said that the Transient Receptor Potential (TRP) channels, which are the primary receptors of agents such as Capsicin, are the major ingredients of chilies. He may have a role to play in extending his lifespan. It also has antimicrobial properties that 'possibly contribute to the life span of the person by changing the intestinal microbiota'.

MOTIVATIONAL ZONE



BOOK REVIEW

The Gifted School

Bruce Holsinger

Smart and juicy, a compulsively readable novel about a previously happy group of friends and parents that is nearly destroyed by their own competitiveness when an exclusive school for gifted children opens in the community

This deliciously sharp novel captures the relentless ambitions and fears that animate parents and their children in modern America, exploring the conflicts between achievement and potential, talent and privilege.

Set in the fictional town of Crystal, Colorado, The Gifted School is a keenly entertaining novel that observes the drama within a community of friends and parents as good intentions and high ambitions collide in a pile-up with long-held secrets and lies. Seen through the lens of four families who've been a part of one another's lives since their kids were born over a decade ago, the story reveals not only the lengths that some adults are willing to go to get ahead, but the effect on the group's children, sibling relationships, marriages, and careers, as simmering resentments come to a boil and long-buried, explosive secrets surface and detonate. It's a humorous, keenly observed, timely take on ambitious parents, willful kids, and the pursuit of prestige, no matter the cost.