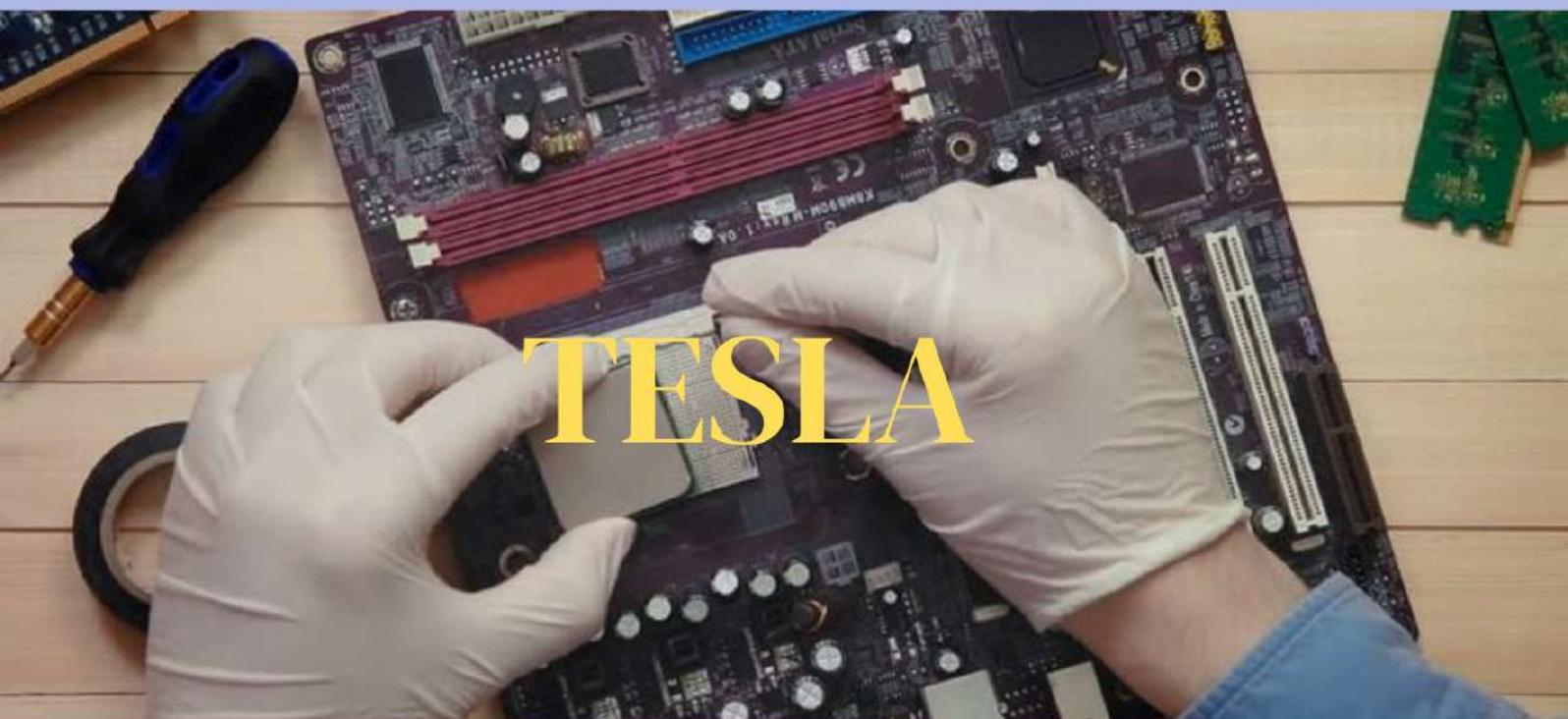


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**LBS INSTITUTE OF TECHNOLOGY POOJAPURA  
TRIVANDRUM**

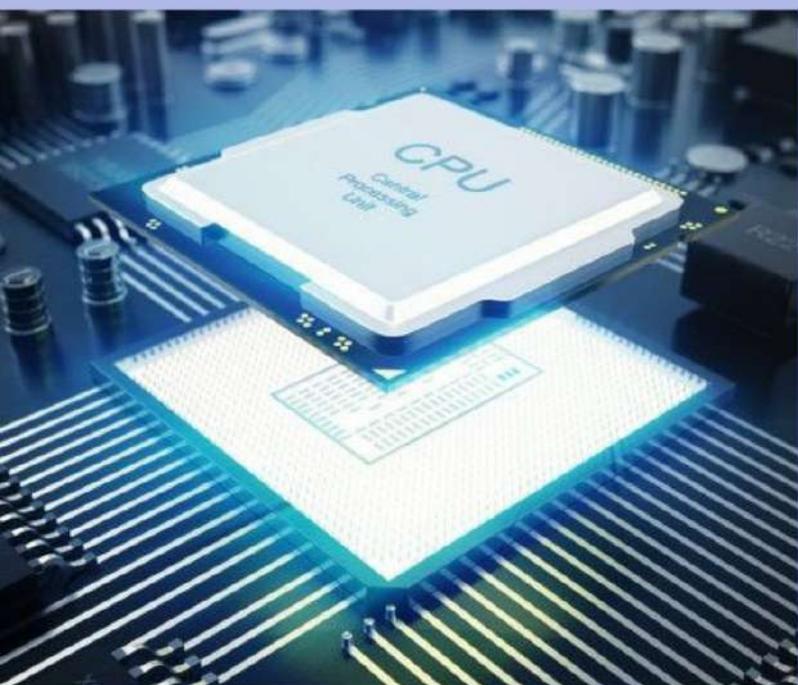
**DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION**

**S4, 2021-25  
MAY - JULY  
edition 2**

Context

"Power play of 2023  
processors"~ 2- 3(pages)  
IEEE international conference  
~ 4th page

Vision and mission  
~ 5th page



**- ARYA GOPAKUMAR  
S4, ECE 2021-25**

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# TESLA

- NEWS LETTER BY ECE (2021-25)

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MARCH-JULY 2023

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## THE BEST PROCESSORS OF 2023, A POWER GAME

The intel core i9-13900K had a very high bar to clear given the outstanding performance of the intel core i9-12900K, BUT when AMD releases its ZEN 4 processors in september 2023 to wide acclaim, Intel's big little follow up had to essentially do everything right.



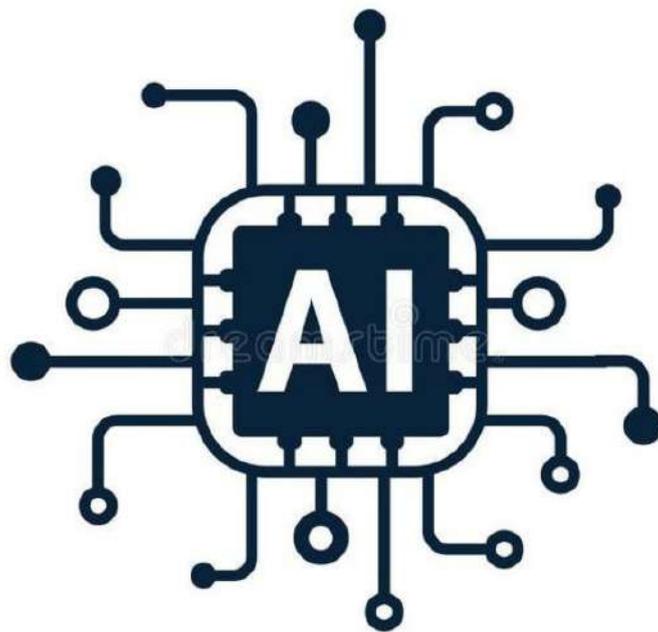
"ALTOGETHER TOO OFTEN, PEOPLE SUBSTITUTE OPINIONS FOR FACTS AND EMOTIONS FOR ANALYSIS"- INTELcore CEO

Incredibly, team blue manages just that with this clip. whether its multithreaded workloads or single-threaded ones like gaming, the core i9- 13900K simply blows away the competition here, which is all the more impressive given the phenomenal performances of the rival AMD Ryzen 9 7950X processor.

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# THE AMD COMPETITION

THE NEW ZEN 4  
PROCESSORS



A Majority of AMDS consumer Ryzen products use socket AM4 platform. in August 2017, AMD Launched their Ryzen threadripper line aimed at the Enthusiast workstation market . This was a relevant move against Intel in the market back then. AMD RYZEN threadripper uses the larger TR4 STRX4 and sWRX8 sockets, which support additional memory as in For the channels and PCI EXPRESS LANES.AMD has moved to the new Socket AM5 PLATFORM for consumer desktop RYZEN with the release of ZEN 4 products in late 2023. Intel is still the toughest competition.

# ICCSA -2023

LBSITW  
trivandrum  
kerala



**THE SECOND INTERNATIONAL CONFERENCE ON COMPUTATIONAL SYSTEM AND COMMUNICATION WAS HELD IN THE PREMISES OF LBS INSTITUTE OF TECHNOLOGY FOR WOMEN ON 3, 4 th MARCH.**

**ESTEEMED GUESTS CONDUCTED NUMEROUS WORKSHOPS AND CONFERENCES ON BEHALF OF THE IEEE KERALA SECTION.**

**PROF. NANDHAN SIR HOSTED THE EVENTS WITH THE ESTEEMED GUESTS OF HONOUR FROM IIT PALAKKAD AND IISER TRIVANDRUM.**

**THE CONFERENCE WAS A SUCCESSFUL EVENT THAT EMBARKED THE VITAL OPPORTUNITIES FOR THE STUDENTS OF THE COLLEGE AND THE MEMBERS OF IEEE LBSITW SECTION.**

**THE EVENT CONCLUDED WITH THE VOTE OF THANKS OF THE PRINCIPAL OF LBSITW WITH STUDENTS ENTHUSIASTICALLY PARTICIPATING IN EVERY WORKSHOP OF THE CONFERENCE FROM EVERY BATCH IN THE COLLEGE.**

## VISION AND MISSION OF THE INSTITUTION

### VISION OF THE INSTITUTE

To be a centre of academic Excellence empowering women in the technical domain.

### MISSION OF THE INSTITUTE

Imparting value based technical education to young women transforming them to professionals excelling globally in academics, research and development and industry meeting social challenges

### VISION OF THE DEPARTMENT

To become the centre of electronics communication and instrumentation and computer engineering to facilitate professional education and research keeping higher level of value systems

### MISSION OF THE DEPARTMENT

M1: To transform young women to high quality engineers, entrepreneurs and researchers with ethical values.

M2: To contribute creative engineering solutions to industry by keeping pace with latest technological advancements

M3: To provide intellectual services to the society by application of electronics communication and instrumentation and computer engineering.