About IEI(I)
The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Goshale Road, Kolkata - 700029, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 123 Centres located across the country. The Institution provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI conducts Section A & B Examinations in different Engineering disciplines, the successful completion of which is recognized as equivalent to Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Govt. of India. Every year as many as 90000 candidates appear for these exams. For details, please see: www.xenidia.org

About the Programme
Artificial intelligence (AI) has become an essential part of the technology industry since it aims to create intelligent machines. Research associated with AI is highly technical and specialized with core problems which include programming computers for certain traits such as knowledge, reasoning, problem solving, perception, learning, planning and ability to manipulate. AI points towards a future where machines not only do all of the physical work, also the "thinking" work – planning, strategizing and making decisions. It is widely applied in medical diagnosis, electronic trading platforms, robot control, and remote sensing. As AI is a platform in introducing applications with new technologies in all the engineering fields, it is necessary to give an insight to students. The main goal of this All India Seminar is to give a basic understanding of the theory and practice of AI and its applications.

Sub Themes
- **Computer Vision** is an interdisciplinary scientific field that deals with how computers can be made to gain a high-level understanding from digital images or videos. It is used in convenience stores, driverless car testing, daily medical diagnostics, monitoring the health of crops and livestock and in Industries to monitor and report the status of infrastructure that is critical to the operation of massive industrial complexes.
- An **Intelligent Decision Support System (IDSS)** is an interactive computer system that utilizes artificial intelligence methods to assist and enhance human decision making. IDSS is gaining prominence in business, engineering, the military, finance, healthcare, marketing, and cybersecurity.
- **AI** has been used to simulate human players in board games. Game AI is modeling a human player who can understand how the interaction with a game is experienced by individual players. It makes the overall game-making process more efficient and less labor-intensive.

The objective of this seminar is to bring the researchers to present their contributions towards the development of technological advancements in Computer Vision, IDSS and Game AI towards developing solutions for complex decision-making tasks.

About Kumaraguru College of Technology
Kumaraguru College of Technology, Coimbatore was founded in 1984 by Arutchelvar Dr.N.Mahalingam, a Gandhian, Industrialist and a Philanthropist, under the auspices of Ramanadha Adigalar Foundation. Functioning as part of the Sakthi Group of educational institutions, KCT exemplifies the social and cultural values and the vision of its founder. Located in the midst of the IT corridor in a sprawling campus of 150 acres, KCT offers 14 undergraduate and as many postgraduate programmes. With more than 800 teaching, research, administrative and support staff, and a dozen centres of excellence and industry sponsored labs, KCT currently serves more than 6000 students. The student run centres, iCube, Garage and Pé along with the industry focused KCJRI, KCT TIFAC CORE, CEAD, and FORGE, KCT provides outstanding experiential education to its students while offering industry with consulting services and the alumni, and aspiring entrepreneurs with preparations for business start-ups. KCT has excellent residential facilities to accommodate about 3000 students with state-of-the-art student centres and dining halls.

Department of Electronics & Communication Engineering
The Department of Electronics & Communication Engineering was started in the year 1987 with the idea of equipping young people with the necessary technical knowledge and professional skills needed to address the challenges in the rapidly growing field of Electronics and Communication Engineering and promoting research in this area. In the world of Smartphones, this department has a very significant role to play. Instigate an eye for detail inside the minds of youngsters and there is come they up with a lot of innovation in electronics. For this mission, the Department is fully equipped with state-of-the-art laboratories such as DSP, VLSI, Optical & Microwave, and RF/Communication. The Department has 15 laboratories, a separate Department Library, a Seminar Hall, adequate classrooms and other facilities. Laboratories are equipped with hardware, computers and software packages such as Matlab, Metrowind, OPTSIM, Xilinx ISE, Cadfeko, and Cadence. To conduct quality research and enable the students to learn experientially in Signal Processing and Embedded Systems, the department has collaborated with Texas Instruments, USA and established a Centre of Excellence (CoE). Also signed an MOU with Keysight technologies, California and established a Centre of Excellence in Wireless Technology.

Call for papers
Original Research Article Pertaining to Applications of Artificial Intelligence are invited to present in the seminar.

Resource Persons
Expert members from R&D Sectors and Various Leading Universities

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All India Seminar on
ARTIFICIAL INTELLIGENCE AN APPLICATION PERSPECTIVE
05 & 06 September 2019

The Institution of Engineers (India)
Coimbatore Local Centre
Under the Agies of Electronics and Telecommunication Engineering Division, IE(I)

In Association with

Department of Electronics & Communication Engineering
Kumaraguru College of Technology
Saravanampatti, Coimbatore,
Tamil Nadu.

at C-Block Seminar Hall
All India Seminar on
ARTIFICIAL INTELLIGENCE
AN APPLICATION PERSPECTIVE

05 & 06 September 2019
Kumaraguru Institutions Campus,
Saravanampatti, Coimbatore,
Tamil Nadu

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