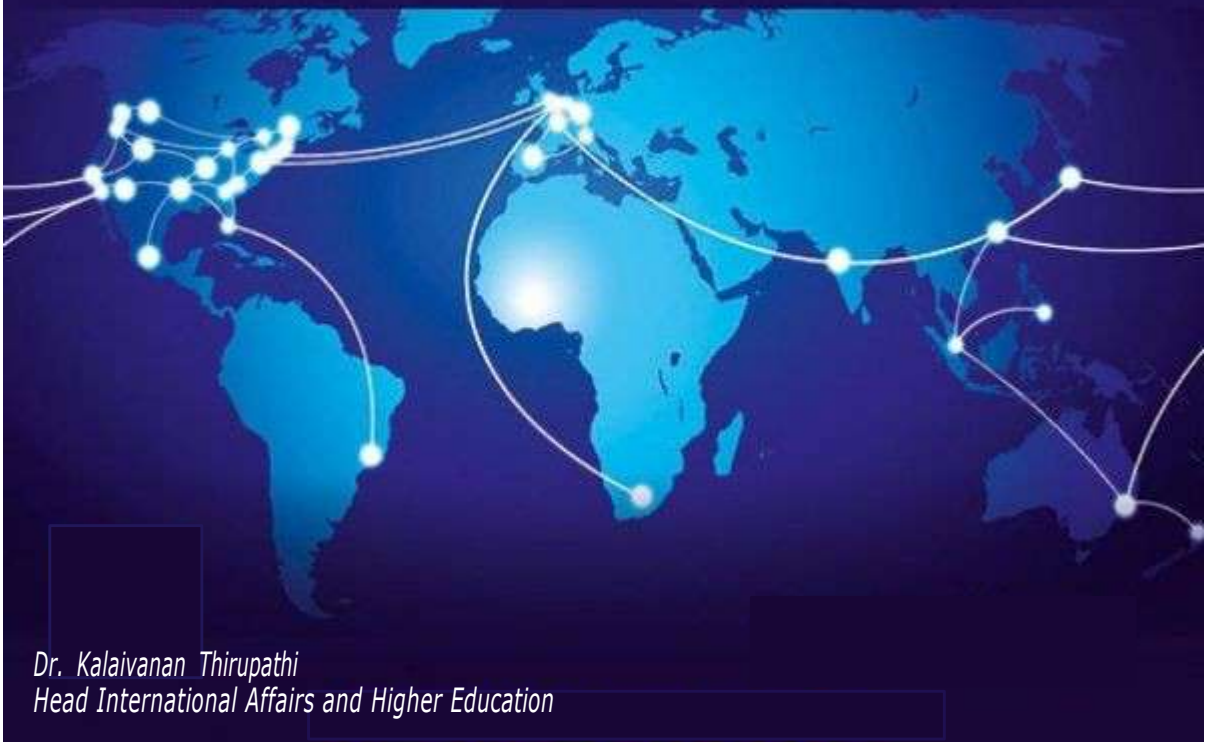
INTERNATIONAL

AFFAIRS AND HIGHER EDUCATION

YEAR 2023- 2024



Dr. Kalaivanan Thirupathi
Head International Affairs and Higher Education

KCG COLLEGE OF TECHNOLOGY
OFFICE OF INTERNATIONAL AFFAIRS AND HIGHER EDUCATION

S.NO	DATE	TITLE	SPEAKER
1.	21/07/2023	Lecture on Environmental Health Inequalities	Dr. Surindar Dhesi , Senior Lecturer , Environmental Health and Risk Management , University of Birmingham , U.K
2.	25/07/2023	Basics of Nuclear Engineering	Dr. Roman Fomin , Associate Professor , Nuclear Physics and Technology , Obninsk institute of Nuclear Power Engineering , Russia
3.	27/07/2023	Precise Energy Olympiad -2023	At Russian Consulate Chennai
4.	19/08/2023	IELTS Workshop and Seminar Session	Representatives from IDP
5.	30/08/2023	International Immersion Programme with International Universities	Immersion Pvt. Ltd.
6.	02/09/2023	USA Education Fair	By Education USA , Hotel Hyatt Residency , Chennai
7.	05/09/2023	Panel Discussion and Seminar About Growing Demand of Higher Education in Changing World	1. Prof. Seamus Higgins, Associate Professor Food Process Engineering, University of Nottingham, UK 2. Asst. Prof. Yuri Hadi, , Faculty of Engineering, Department of Architecture & The Built Environment, University of Nottingham, UK 3. Samreen K, Student Recruitment Manager, Imperial College, London 4. Farheen Memon, India Representative, George Mason University, USA 5. Ms. Gillissen Green, Academic and Cultural Engagement Specialist, University of New Hampshire, USA

8.	11/09/2023	Visit of the Students to The Australia Education Fair	By Students
9.	06/10/2023	Opportunities In Higher Studies and Research at Arizona State University	By Students
10.	7/11/2023	Visit of Delegates from James Cook University	Ms. Shanthi , Academic director
11.	17/11/2023	Visit To AUAP Conference	14 MoU'S Signed
12.	12/12/2023	Report On Hana Bank	By Student from Aero Dept.
13.	13/12/2023	Visit of delegates from SICC	Mr. Rajaram Mohan Munusamy, Director of the Global Organization of People of Indian Origin, France, and Mr. Johnny Arunachellum, Director of the Reunion Chamber of Commerce & Industry, Reunion Islands, visited KCG Tech.
14.	8/01/2024	The Visit Delegates from Malaysia	Dr. Girupakaran , Sealbotics , Malaysia
15.	24/01/2024	" Important of ChatGPT and AI tools for Educators	• Prof Dr. M. Krishnamurthy KCG College of Technology • Dr. Shehu Professor, Department of Computer Science; Associate Dean for AI Innovation in the CEC Associate VP of Research George Mason University USA • Mr. John Rex Vice president, True Tech solution • Mahmudul Haque Software Engineer Daffodil Institute of Information Technology (DIIT)

16.	13/02/2024	Human Aspects of Cybersecurity.	Dr. Panagiotis Andriotis, a Lecturer in Computer Science from the School of Computer Science at the University of Birmingham, U.K.
17.	07/03/2023	Workshop on SOP writing	By IDP
18.	20/03/2024	Graduate Engineering vs professional Engineering	Professor Ir. U. Johnson Alengaram PhD (Struct.), CIEM, MCSM, MACF, CEng MICE (UK), M.ASCE (USA) Director, Centre for Innovative Construction Technology (CICT) Department of Civil Engineering Faculty of Engineering University of Malaya 50603, Kuala Lumpur, Malaysia

SEMINAR OVERVIEW

Date	21/07/2023
Title	Lecture on Environmental Health Inequalities
Speaker	Dr. Surindar Dhesi , Senior Lecturer , Environmental Health and Risk Management , University of Birmingham , U.K
Hall	F14
Time	2:00 to 3:30 PM
No of Participants	50 students from all the department

LECTURE ON ENVIRONMENTAL HEALTH INEQUALITIES

Environmental health inequalities occur in all countries, irrespective of the level of development and the environmental or economic status. A recent WHO assessment showed that environmental health inequalities have even increased in many countries, indicating that the improvement of environmental conditions observed in most countries in the WHO European Region is not shared equally across societies.

In some countries, disadvantaged population subgroups may be exposed to or affected by environmental factors 5 times more than others and, in extreme cases, 10 times more and beyond (for example, with access to essential services such as water and sanitation).

Higher environmental exposure levels are most often associated with – and partly explained by – socioeconomic deprivation (notably poverty and low income). Other forms of disadvantage, such as demographic or spatial determinants, also play a significant role in environmental inequalities.

Differences in our daily environment and living conditions explain 29% of the self-reported inequalities in health in European Union countries (controlling for age and sex). Of this gap, over 90% is explained by differences in housing conditions, fuel poverty, lack of green space, crowding and air pollution, showing the influence of material and environmental deprivation on health and equity.

Academic evidence shows that environmental deprivation levels have an independent effect on health. Regions of the United Kingdom with the poorest physical environments have 18% more deaths than expected than other regions across the country.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AUTONOMOUS
TNEA Counselling
Code 1311
EARTH
Lecture on Environmental Health Inequalities
Speaker :
Dr. Surindar Dhesi,
Senior Lecturer,
Environmental Health
& Risk Management,
University of Birmingham, UK
INEQUALITY
21th July 2023
1:30 to 2:30 PM
F14
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BOSCH
Cognizant


Key Issues
Occupational accidents (safety)
Occupational ill health
– physical
– Mental
Wellbeing at work

SEMINAR OVERVIEW

Date	25/07/2023
Title	Basics of Nuclear Engineering
Speaker	Dr. Roman Fomin , Associate Professor , Nuclear Physics and Technology , Obninsk institute of Nuclear Power Engineering , Russia
Hall	F14
Time	11:00 to 12:00 PM
No of Participants	50 students from all the department

BASICS OF NUCLEAR ENGINEERING

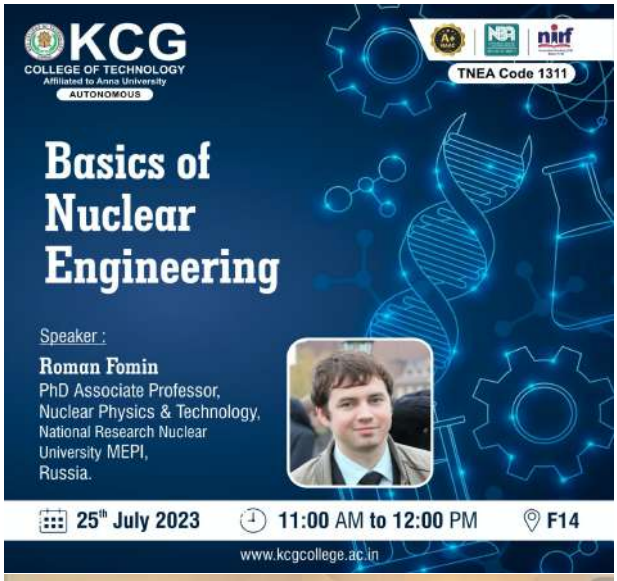
Nuclear energy is a form of energy released from the nucleus, the core of atoms, made up of protons and neutrons. This source of energy can be produced in two ways: fission – when nuclei of atoms split into several parts – or fusion – when nuclei fuse together.

The nuclear energy harnessed around the world today to produce electricity is through nuclear fission, while technology to generate electricity from fusion is at the R&D phase.

Nuclear fission is a reaction where the nucleus of an atom splits into two or more smaller nuclei, while releasing energy. For instance, when hit by a neutron, the nucleus of an atom of uranium-235 splits into two smaller nuclei, for example a barium nucleus and a krypton nucleus and two or three neutrons. These extra neutrons will hit other surrounding uranium-235 atoms, which will also split and generate additional neutrons in a multiplying effect, thus generating a chain reaction in a fraction of a second. Each time the reaction occurs, there is a release of energy in the form of heat and radiation. The heat can be converted into electricity in a nuclear power plant, similarly to how heat from fossil fuels such as coal, gas and oil is used to generate electricity. The operation of nuclear power plants produces waste with varying levels of radioactivity. These are managed differently depending on their level of radioactivity and purpose. See the animation below to learn more about this topic.

Radioactive Waste Management

Radioactive waste makes up a small portion of all waste. It is the by-product of millions of medical procedures each year, industrial and agricultural applications that use radiation and nuclear reactors that generate around 11 % of global electricity. This animation explains how radioactive waste is managed to protect people and the environment from radiation now and in the future.The next generation of nuclear power plants, also called innovative advanced reactors, will generate much less nuclear waste than today’s reactors. It is expected that they could be under construction by 2030.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Affiliated to Anna University
AUTONOMOUS
TNEA Code 1311
Basics of Nuclear Engineering
Speaker :
Roman Fomin
PhD Associate Professor,
Nuclear Physics & Technology,
National Research Nuclear
University MEPI,
Russia.
25th July 2023
11:00 AM to 12:00 PM
F14
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Mass and energy
E=mc²

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THE PRECISE ENERGY-2023 SCIENCE OLYMPIAD IN MATHEMATICS, PHYSICS, AND CHEMISTRY

The award ceremony for The Precise Energy-2023 Science Olympiad in Mathematics, Physics, and Chemistry, organized by ROSATOM Engineering Division (JSC Atomstroyexport), took place on the 26th of July at the Russian House in Chennai, Tamil Nadu. This Olympiad was hosted in collaboration with ANO Energy of the Future, and was supported by the Russian House in Chennai, Moscow Engineering Physics Institute MEPhI, and Tamil Nadu Science and Technology Centre.

The Olympiad marked its third successful edition in Tamil Nadu, the region where Kudankulam Nuclear Power Plant (NPP) is getting constructed by the collaborative efforts of ROSATOM and the Nuclear Power Corporation of India Limited (NPCIL).

The competition unfolded in two rounds, with the participation of over 10100 students in the preliminary round. Out of this exceptional pool of talent, over 700 students qualified for the final round.

A total of 30 universities and colleges from Tamil Nadu witnessed participation from their students in the senior level competition. The event consisted of separate written tests in Mathematics, Physics, and Chemistry. Junior level students from 53 school participated in a junior level, consists of cross subject science questions.

Talented young minds from Tamil Nadu participated in an engaging junior-level competition, showcasing their knowledge in a general science test. The initial round witnessed the evaluation by a distinguished jury panel, consisting of esteemed educators from local educational institutions. The final round was judged by specially invited Russian Professors from the renowned National Research Nuclear University MEPhI.

Nina Dementsova, Head of Communications Department, JSC Atomstroyexport in her speech told to the young audience: “2023 is the third time that we are holding this unique event, Precise Energy Olympiad in mathematics, physics and chemistry. Who knows, maybe it is participation in such an interdisciplinary Olympiad at the cutting edge of modern scientific and experimental achievements that will give you an impetus to choose your future career!”

ROSATOM Engineering Division unites the leading companies of the nuclear industry, namely: JSC Atomstroyexport (Moscow, Nizhny Novgorod, branches in Russia and abroad), Joint Design Institute - JSC Atomenergoproekt (Moscow, Nizhny Novgorod, St. Petersburg branches - design institutes, branches in Russia and abroad, R&D branches) and subsidiary construction organizations. The Engineering Division ranks first in the world by the order portfolio and the number of NPPs constructed simultaneously across the world. About 80% of the Division’s revenues originate from foreign projects. The Engineering Division implements construction projects for high-power NPPs in Russia and across the world, renders a full range of EPC, EP, EPC(M) services including project management and design activities, and develops Multi-D technologies for the management of complex engineering facilities. The Division relies on the achievements of the Russian nuclear industry and modern cutting-edge technologies. www.ase-ec.ru

PARTCIPANTS FROM KCGTECH

S.NO.	REGISTER NUMBER	NAME	BATCH
1	311022101005	ARISHA GAZAL SYED	B1
2	311022101016	S. HARI ARAVINDH	B1
3	311022101038	STEPHIN SAM	B1
4	311022110040	SHARIQ ALTAF	B2
5	311022104099	B.K. PRIYANKA	B4
6	311022104072	S. LOKESH	B4
7	311022104105	S. ROSHINI	B4
8	311022104080	M. MOHAMED ASHIK	B4
9	311022104071	G. SHAINAZ	B4
10	311022104106	G. SAGANA	B4

SEMINAR OVERVIEW

Date	19/08/2023
Title	IELTS Workshop and Seminar Session
Speaker	IPD
Hall	F14
Time	10:00 to 12:00 PM
No of Participants	50 Students from all the department

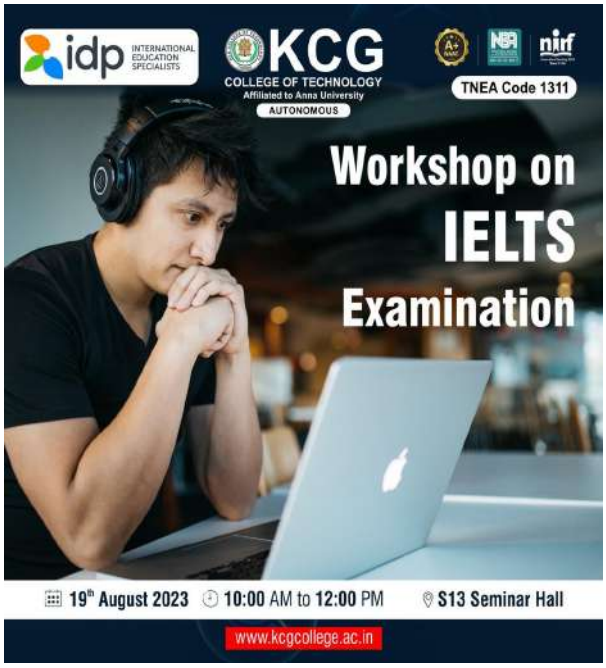
IELTS AND ITS EXAMINATION

What is IELTS?

- The International English Language Testing System (IELTS) is designed to help you work, study or migrate to a country where English is the native language. This includes countries such as Australia, Canada, New Zealand, the UK and USA.
- Your ability to listen, read, write and speak in English will be assessed during the test. IELTS is graded on a scale of 1-9.
- IELTS is jointly owned by the British Council; IDP IELTS; and Cambridge University Press & Assessment.

Why take IELTS?

- If you are looking to work, live or study in an English-speaking country, then you must be able to demonstrate a high level of English language ability.
- English is the third most spoken language in the world, with 379 million speakers worldwide.
- Being able to communicate in the native language of the country you wish to work or study in, has a wide range of benefits. It is also essential for job opportunities as well as integration into the community.
- IELTS is the most popular test for those looking to migrate to Australia, Canada, New Zealand and the UK. It is globally recognised by more than 11,000 employers, universities, schools and immigration bodies including 3,400 institutions in the USA.
- The higher you can score in your IELTS, reflects a better understanding and ability to communicate in English. Each immigration body, university, workplace or institution will have specific IELTS score requirements. The score you need will depend on what you are looking to do in the country, i.e work or study.


idp INTERNATIONAL EDUCATION SPECIALISTS
KCG
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Affiliated to Anna University
AUTONOMOUS
TNEA Code 1311
Workshop on
IELTS
Examination
19th August 2023
10:00 AM to 12:00 PM
S13 Seminar Hall
www.kcgcollege.ac.in


Content

SEMINAR OVERVIEW

Date	30/08/2023
Title	International Immersion Programme With International Universities
Speaker	Immersion Pvt. Ltd.
Hall	F14
Time	11:30 to 12:30 PM
No of Participants	50 students from all the department

ABOUT IMMERSION LEARNING PRIVATE LIMITED

Immersion Learning Private Limited offers learners from India the world new skills and knowledge while also learning about the rich culture and biodiversity that is in abundant in the digitally evolving global space. Ranging from business to engineering fields, these programs are developed in partnership with our institutional partners and include study visits/ tours to our partners' international premises. Cultural experiences are embedded throughout the program along with frequent engagement with the researchers and students of the Foreign University.

Collaboration with our academic partners provides an all-round University experience; gives students the opportunity to challenge themselves, further their skills, learn a new language and experience education in an entirely new setting, while progressing their studies. Enabling students make real contribution to the University community and society while also gaining skills, confidence and connections that ensures employment after graduation.

Immersion Learning works with Swinburne University of technology – Australia and Malaysia, Nottingham Trent University – UK, James Cook University – Singapore, Warsaw University of Technology – Poland to name some. The graphic below depicts Immersion Learning's reach across India in terms students' participation in its immersion & other exclusive programs in these top universities.

IMMERSION PROGRAM

Research Project Experiences, Global Entrepreneurship programs & Semester Abroad programs for KCGTech students across different overseas campuses through exclusive tie-ups with some of the top Universities & Institutions.

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The International University Immersion Programs are designed to elevate the students understanding and acceptance of another culture, enriching their language skills and broadening their social horizons as well as to enabling them to sample a Top Overseas University's academic programs. These are 2-weeks & 1-week programs specially curated to suit students from the respective study streams, such as Architecture, Engineering, Arts, Law, Design, Management etc.

HIGHLIGHTS ABOUT OUTCOMES OF THIS IMMERSION PROGRAM

1. Students were highlighted about the benefits of exposure to a different higher educational culture.
2. Ability to develop intellectual flexibility for approaching their academic discipline from another perspective.
3. Ability to reflect on skills learned and knowledge gained and how these may contribute to future academic development.
4. Ability to articulate the academic benefits and challenges of studying abroad and how these relate to transferable skills required for future employment or study.
5. Ability to develop a range of self-management and life-long learning skills including time management, adaptability, confidence, independence, and enterprise.
6. Acquire problem-solving skills in a range of familiar and unfamiliar situations.

EVENT DETAILS

Event	2023 Education USA "Study in the U.S." University Fair
Date	Saturday, September 2, 2023
Venue	Hotel Hyatt Regency, Chennai
Time	2:00 p.m. to 5:00 p.m.

American higher education institutions participating in the fair represent a diverse geographical and academic landscape and offer a range of academic programs at the undergraduate, graduate, and doctoral levels. Fair attendees can learn about various programs and admission criteria for multiple U.S. higher education institutions. Discussions with U.S. universities, EducationUSA advisers, and U.S. Consulate representatives at the fair will help students make informed choices about U.S. higher education, learn about the U.S. student visa application process, and become aware of other aspects of studying and living in the U.S.

"We welcome the opportunity to help Indian students achieve their dreams. Whether you are researching your options at an American Centre, walking through the application process with EducationUSA, or enjoying the world-class instruction and facilities you will find on a U.S. campus, the United States is honoured to support you on your road to success," said Ambassador Eric Garcetti.

"The United States continues to be the most popular international study destination for Indian students. Over the years, EducationUSA at USIEF has been committed to supporting the informational needs of prospective students who aspire to study at U.S. higher education institutions. This year, we are happy to bring back our signature 'in-person' fairs where students can interact face-to-face with representatives of a wide variety of accredited U.S. universities and colleges, all under one roof. We strongly encourage students and parents to seize this opportunity to seek authentic and unbiased information and take advantage of the wide variety of educational options available at U.S. college campuses," said Adam Grotsky, Executive Director, United States-India Educational Foundation.

About Education USA in India

Education USA is the official source of information about U.S. higher education and a member of the U.S. Department of State's network of over 430 international student advising centres worldwide. Education USA Centres reach prospective student audiences through education fairs and outreach at schools, universities, and other public events through in-person and online sessions as well as social media platforms to provide accurate, comprehensive, and current information about studying in the United States.

PARTCIPANTS FROM KCGTECH

S.NO	NAME	DEPARTMENT
1.	AAKASH RAJ	ECE
2.	MADESH	ECE
3.	PRINCE	ECE
4.	VARUYN KUMAR	ECE
5.	SIVASANKAR	ECE
6.	SHEIK KAMEEL	AUTO
7.	RAHUL	AUTO
8.	SANDEEP	AUTO
9.	VINUTHNA	IT
10.	ROHINI	IT
11.	KISHORE	IT
12.	RATHIESH	IT
13.	ANAGHA	IT
14.	SHOBA	CSE
15.	KAVIYA	CSE
16.	DIVAINA	CSE
17.	AVIN KUMAR	CSE
18.	ARJUN	EEE
19.	ALWINTENNYSON	EEE
20.	MANOJDEVABHRAJ	EEE
21.	SRIMAN CHAKKARAVERTHY	EEE
22.	SIVASURYA	EEE
23.	ATHARVA	AERO

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PANAL DISCUSSION AND SEMINAR

Date	05/09/2023
Title	Panel Discussion and Seminar About Growing Demand of Higher Education in Changing World
Speaker	1. Prof. Seamus Higgins, Associate Professor Food Process Engineering, University of Nottingham, UK 2. Asst. Prof. Yuri Hadi, Post Graduate Experience Director, Faculty of Engineering, Department of Architecture & The Built Environment, University of Nottingham, UK 3. Samreen K, Student Recruitment Manager, Imperial College, London 4. Farheen Memon, India Representative, George Mason University, USA 5. Ms. Gillissen Green, Academic and Cultural Engagement Specialist, University of New Hampshire, USA Gen Next Education: Sheela Thyagaraj, AVP, Graduate Recruitment and Institutional Partnerships, Gen Next Education Suman Nayak, Manager, College Counseling and Student success, Gen Next Education
Hall	S13
Time	2:00 TO 4:00
No of Participants	20 students from all the department and HOD of all the department

GROWING DEMAND OF HIGHER EDUCATION IN CHANGING WORLD

1. Master's degree in Systemic Risk
2. Data, Economics, and Development Policy Micro Masters
3. Masters in Machine Learning for Visual Data Analytics
4. Masters in Bio fabrication M.Sc.
5. Masters in Artificial Intelligence

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VISIT OF THE STUDENTS TO THE AUSTRALIA EDUCATION FAIR

Date	11/09/2023
Title	Visit of the students to the Australia Education fair

Australian universities are also ranked in the top 50 worldwide in the study areas of Engineering and Technologies, Life Sciences and Medicine, Arts and Humanities, Natural Sciences, and Social Sciences and Management in the QS World University Rankings by Subject 2023.

Globally recognised qualifications

Your Australian qualification can open up global career opportunities.

Graduates of Australian courses are in demand. Employers in Australia and worldwide know that Australian qualifications are current, industry-relevant and of a world-class standard.

An exciting history of innovation

Australian education providers encourage their students to think big and achieve their goals.

Among Australia's international alumni are leading scientists, designers, educators, entrepreneurs, artists and humanitarians. Some have become world leaders in groundbreaking research and development and have helped to change the world for the better.

The work of researchers at Australian institutions has benefited millions worldwide, from the discovery of penicillin to the development of the cervical cancer vaccine, Wi-Fi, the Cochlear implant, and so many more life-changing innovations.

Quality education standards

Australia's international education system is strictly regulated to protect your rights and care for your welfare.

In Australia, there is a system of quality control and government accreditation to ensure you have the best study experience. This system has been specially designed for international students.

- The Australian Qualifications Framework (AQF) regulates courses delivered by Australian education and training providers. It also enables different countries to recognise your qualification and issue a comparable qualification.
- Every course offered to international students by an Australian higher education provider, vocational education and training provider, Foundation college, ELICOS provider or school must meet the Australian Government's strict quality standards.
- All higher education providers in Australia must complete a demanding accreditation process to deliver the highest standard of teaching and learning. They must also go through regular, formal reviews to ensure they meet these standards.

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OPPORTUNITIES IN HIGHER STUDIES AND RESEARCH AT ARIZONA STATE UNIVERSITY

Date	19/08/2023
Title	Opportunities in higher studies and Research at Arizona State University
Speaker	Dr. Arunachala Kannan , Professor ,Arizona state University, USA
Hall	At HITS
Time	10:00 to 12:00 PM
No of Participants	26 Students from Mech, EEE

Influential leaders' success stories are often aided by great career opportunities, vast network connections and powerful learning tools — all of which can come from a transformative education experience.

Arizona State University was recently recognized for its ability to provide this launchpad for success in TIME and Statista's inaugural Best Colleges for Future Leaders list. ASU was ranked No. 20 in the United States for shaping future leaders, ranking ahead of University of Southern California, University of California-Los Angeles and Johns Hopkins University.

Thunderbird School of Global Management as a "notable subsidiary" of ASU, regarded as a prominent school within the ranked institution for its top leadership and management education.

"America's future success will rely on bold, innovative thinking across sectors, and that means we need leaders from all communities who are prepared for the opportunities and challenges facing our nation and planet," said ASU President Michael M. Crow. "This analysis from TIME is further proof positive that our 21st-century institutional design is competitive and capable of producing the future leaders we need."

To determine this list, TIME and Statista compiled the resumes of 2,000 top leaders in the U.S. and identified which universities and colleges they received their degrees at. This group of leaders spans a gamut of sectors and industries and ranges from politicians to chief executive officers, union leaders, Nobel winners and more.


October 2023
ASU
Ira A. Fulton
Schools of
Engineering
Arizona State
University
The Polytechnic School


October 2023
ASU
Ira A. Fulton
Schools of
Engineering
HINDUSTAN

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VISIT OF DELAGTES FROM JAMES COOK UNIVERSITY

Date	07/11/2023
Title	Visit of Delegate from James cook University , Singapore
Speaker	Ms. Shanthi , Academic director
Hall	At Conference Hall
Time	1:00 to 2:00 PM
No of Participants	HoD IT , Dean Academics

JCU achieved the ranking of 'world class' or higher in 83 percent of research fields, including eight as 'well above world class', by Excellence in Research for Australia for 2018.Six JCU researchers who produced multiple highly cited papers are ranked in the top 1% for their field of research, by Web of Science for 2023.These internationally recognised research outcomes are in fields including biodiversity, ecology and environments, global warming, marine sciences, public health care, tourism and tropical medicine. JCU delivers global, ground-breaking research and discoveries that make a difference to people and societies, experiential learning, the built environment and the natural world. JCU is rated in the top 400 universities in the world by the Times Higher Education World University Rankings 2023 and the Shanghai Ranking Academic Ranking of World Universities 2023.With research connections to more than 100 countries and 25 specialised research centres and institutes, JCU is connected to the world and globally engaged. In Northern Australia, our locations in Cairns, Townsville and Brisbane attract international students from all over the world. JCU was also the first Australian university to establish a branch campus in Singapore.


JAMES COOK UNIVERSITY SINGAPORE
KCG 25
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AUTONOMOUS
nirf
Visit of Delegate from
James Cook University, Singapore
Ms M.S Shanti
Senior Director Admissions,
Academic Services & Progressions
Agenda for the Event:
1. To meet International relations team to discuss about the Research & Academics Collaboration
2. Interaction with students
3. MoU Discussion
7th November 2023
01:30 PM onwards
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VISIT TO AUAP CONFERNCE

ABOUT THE CONFERENCE

The 36th International Conference & AUAP Annual Conference with the theme "Utilizing Institutional Assets to Enhance Global Outreach" will be organized by Siam University (SU), Bangkok, Thailand, in corporation with the Association of Universities of Asia and the Pacific (AUAP), California Baptist University (CBU), California, USA and Asian Cooperation Dialogue – University Network (ACD-UN), Kuwait from November 17 -18 2023.

The Conference will focus on unique university programs/projects that exemplify how universities address the emerging needs of the various publics they serve. The AUAP-AC 2023 is a platform to serve researchers, developers, and educators working in health care procedures, nutrition supplements, environmental remedies, software solutions, etc., areas to present and exchange research ideas. Moreover, the AUAP-AC2023 invites authors to submit their original and unpublished work demonstrating current research in the abovementioned areas.

Moreover, the AUAP-AC2023 invites authors to submit their original and unpublished work demonstrating current research in the abovementioned areas.

PARTICIPANTS

1. Dr. Kalaivanan
2. Dr. Muthukannan

MOU'S SIGNED

S.No	COUNTRY	UNIVERSITY / INSTITUTION	DEPT. IN LINE WITH KCGTECH
1	BANGLADESH	AMERICAN INTERNATIONAL UNIVERSITY	EEE & CSE
2	BANGLADESH	DAFFODIL INSTITUTE OF INFORMATION TECHNOLOGY	IT
3	BANGLADESH	DAFFODIL INTERNATIONAL UNIVERSITY	CSE, IT , FT , CIVIL , EEE
4	CHINA	SIAS UNIVERSITY	AI&DS , EEE , IT , CSE
5	HUNGARY	JOHN VON NEUMANN UNIVERSITY	CSE & AUTO
5	INDONESIA	UNIVERSITAS AIRLANGGA	EEE , AI&DS & MTR

7	PHILIPPINES	LYCEUM OF THE PHILIPPINES UNIVERSITY BATANGAS	MECH , IT & CSE
8	PHILIPPINES	BATAAN PENINSULA STATE UNIVERSITY	MECH , IT & CIVIL
9	PHILIPPINES	MOUNTAIN PROVINCE STATE POLYTECHNIC COLLEGE	IT & S&H
10	PHILIPPINES	ST DOMINIC COLLEGE OF ASIA	IT
11	PHILIPPINES	UNIVERSITY OF SOUTHERN MINDANAO	CSE , IT , CIVIL , MECH & EEE
12	PHILIPPINES	PANPACIFIC UNIVERSITY	IT , S&H
13	CAMBODIA	IIC UNIVERSITY OF TECHNOLOGY	IT & CIVIL
14	THAILAND	SIAM UNIVERSITY	AERO , CIVIL &IT
15	THAILAND	CHULALONGKORN UNIVERSITY	AERO, CIVIL , MECH & IT

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REPORT ON HANA BANK SCHLOARSHIP

In the academic year 2023-2024, KEB Hana Bank awarded ONE scholarship, valued at Rs:41,00, to regular undergraduate students of the Department of Aeronautical Engineering

Selection Criteria: Undergraduate students of all depts. eligible under the following criteria:

- Belong to a low-income family, face financial difficulties, and demonstrate good academic performance.
- Overcome a disability to achieve excellent academic results.
- Display outstanding academic achievements.

(1) Application for 2023 KEB HANA scholarship from all the department students
(2) Recommendation for 2023 KEB HANA scholarship student (in English) with the signature of the HoD

History of scholarship:

2021-2022 – FT department
2022-2023 – ECE department
2023-2024 – Aero department

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THE VISIT DELGATES FROM MALAYSIA

SCHEDULE OF THE VISIT

S.No	Time	Agenda
1	12:00 PM	Arrival of the delegates
2	12:10 PM	Presentation from Sealbotics
3	12:30 PM	Presentation by Dr. Deepa Jose
4	1:00 PM	Lunch at IBIS
5	2:00 PM	Delegates visit to Aero , ECE and TBI
6	4:00 PM	Interaction with Principal
7	5:00 PM	Guest left KCG Tech campus

MEMBER PARTICPATED

FROM SEALBOTICS	
Dr. Girupakaran	Co- Founder
Mr. Sivanes	Co- Founder
Mr. Tanabaalan	Managing partner
FROM KCG TECH	
Dr. Muthukannan	Principal
Dr G Prabhakaran	Dean Academics
Dr Krishnamurthy M	HoD AI&DS
Dr. Anuradha	HoD EEE
Dr. Kavitha	HoD ECE
Dr. Cloudin	HoD IT
Dr. Deepa Jose	Head Research
Dr. Kalaivanan	Head International Affairs and Higher Education
Dr. Vijaya Raja K	HoD Aero

ABOUT SEALBOTICS

At Sealbotics, they strive to deliver cutting edge technology to their clients on the following

Aerial Mapping

Training

Contract Manufacturing
(UAVs/UGVs)

Customized Robotics Solutions
Ongoing projects :
Hydro blasting robot
Facade cleaning robot

Project Progress Monitoring

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INTERNATIONAL ONLINE WORSHOP ON : CHATGPT AND AI TOOLS FOR EDUCATORS

Session 1
24th, January 2024
6:30 PM IST AI Ethics and Bias Mitigation
Prof Dr. M. Krishnamurthy
KCG College of Technology

Session 2
25th , January 2024
6:30 PM IST Artificial Intelligence (AI) and Machine Learning (ML) Beyond ChatGPT: From Education to Training and Careers.
Dr. Shehu
Professor, Department of Computer Science.
Associate Dean for AI Innovation in the CEC
Associate VP of Research
George Mason University
USA

Session 3

27th , January 2024
6:30 PM IST ChatGPT in Artificial Intelligence (AI)
Mr. John Rex
Vice president, True Tech solution

Session 4
29th , January 2024
11:30 AM IST Adapting to Change: IT Employment in the Age of Artificial Intelligence
Mahmudul Haque
Software Engineer
Daffodil Institute of Information Technology (DIIT)

AI ETHICS AND BIAS MITIGATION

In AI ethics, it's crucial to address biases that can inadvertently be present in machine learning models. Bias can stem from various sources, including biased training data or inherent biases in the model's design. To mitigate this, practitioners focus on diverse and representative datasets to ensure fair training. Additionally, techniques like fairness-aware algorithms are employed to explicitly counteract and measure biases during model development.

Transparency is another key element. It involves making AI systems more understandable and interpretable, allowing users to comprehend how decisions are made. This transparency not only fosters trust but also aids in identifying and rectifying potential biases.

Accountability in AI means defining responsibilities for the outcomes of AI systems. Establishing clear lines of accountability helps ensure that developers, organizations, and users understand who is responsible for addressing ethical concerns, including bias.

ARTIFICIAL INTELLIGENCE (AI) AND MACHINE LEARNING (ML) BEYOND CHATGPT: FROM EDUCATION TO TRAINING AND CAREERS.

Continuous monitoring of AI systems in real-world applications is essential. This involves ongoing assessment of system performance, including its impact on different user groups. Regular audits and updates to the AI model are conducted to address emerging ethical concerns and adapt to changing circumstances.

Ultimately, a holistic approach to AI ethics involves considering not only technical aspects but also legal, societal, and cultural dimensions to create AI systems that align with human values and respect fundamental rights.

Machine learning (ML) is a subset of artificial intelligence that focuses on developing algorithms and statistical models enabling computers to perform tasks without explicit programming. ML projects typically involve several key steps:

1. Problem Definition: Clearly define the problem you want the machine learning model to solve. Whether it's classification, regression, clustering, or other tasks, understanding the problem is crucial.

2. Data Collection: Gather relevant and representative data for training, validating, and testing your model. The quality and diversity of your data greatly impact the model's performance.

3. Data Pre-processing: Clean, transform, and pre-process the data to ensure its suitable for training. This may involve handling missing values, encoding categorical variables, and normalizing numerical data.

4. Feature Engineering: Select and create relevant features from the data that the model will use to make predictions. This step often involves domain expertise and creativity.

5. Model Selection: Choose the appropriate machine learning algorithm based on the nature of your problem. Common algorithms include decision trees, support vector machines, neural networks, etc.

6. Model Training: Use a portion of your data to train the model. The model learns patterns and relationships within the data during this phase.

7. Model Evaluation: Assess the model's performance using a separate dataset not used during training. Common metrics include accuracy, precision, recall, and F1 score, depending on the problem type.

8. Hyperparameter Tuning: Adjust the model's hyperparameters to optimize performance. This may involve techniques like cross-validation.

9. Model Deployment: Integrate the trained model into your application or system to make predictions on new, unseen data.

10. Monitoring and Maintenance Continuously monitor the model's performance in real-world conditions. If needed, update the model with new data or retrain it to maintain accuracy.

Throughout these steps, ethical considerations, bias mitigation, and transparency should be prioritized. Regularly communicate with stakeholders and consider the broader societal impact of your ML project.

CHATGPT IN ARTIFICIAL INTELLIGENCE (AI)

ChatGPT, like other language models, is a product of natural language processing and machine learning. It is based on OpenAI's GPT (Generative Pre-trained Transformer) architecture. Specifically, ChatGPT is fine-tuned for conversational contexts, enabling it to engage in interactive and dynamic discussions.

The training process involves exposing the model to a vast amount of diverse internet text, allowing it to learn grammar, context, and factual information. While it doesn't have access to real-time information and its knowledge is up to date only until my last update in January 2022, it's designed to be a versatile and helpful conversational agent.

ChatGPT is commonly used for a range of tasks, from answering questions and providing information to generating creative content. It's important to note that, like any AI model, it may not always produce accurate or contextually appropriate responses, and it's crucial to exercise critical judgment when interpreting its outputs. OpenAI continually works to improve the capabilities and safety features of models like ChatGPT.

ADAPTING TO CHANGES IN IT WITHIN THE FIELD OF AI INVOLVES STAYING ABREAST OF TECHNOLOGICAL ADVANCEMENTS, INDUSTRY TRENDS, AND EVOLVING BEST PRACTICES.

1. Continuous Learning: AI is a rapidly evolving field. Stay informed about the latest algorithms, frameworks, and tools. Engage in ongoing education, attend conferences, and participate in relevant online communities to stay current.

2. Agile Development Practices: Adopt agile methodologies to enhance flexibility and responsiveness in AI projects. Embrace iterative development, which allows for adjustments based on evolving requirements and technological changes.

3. Cloud Computing: Leverage cloud services for scalable and flexible AI infrastructure. Cloud platforms provide access to powerful computing resources and AI services, facilitating rapid development and deployment.

4. Ethical AI Practices: Stay informed about ethical considerations in AI development. Understand the social and legal implications of AI technologies and integrate ethical principles into the development process.

5. Interdisciplinary Collaboration: Foster collaboration between IT professionals and experts from diverse domains. Understanding the specific needs and challenges of various industries enhances the development of effective AI solutions.

6. Security Measures: Prioritize security in AI systems. Implement robust security measures to protect data, models, and the overall infrastructure. Regularly update security protocols to address emerging threats.

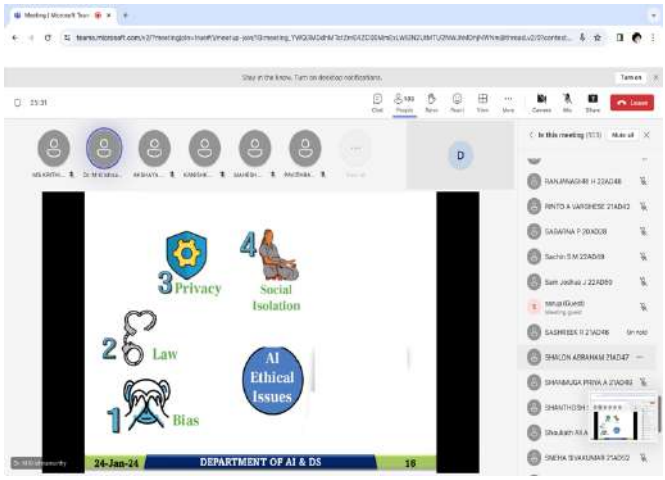
7. Explainable AI (XAI): As AI becomes more complex, there is a growing need for models that can provide explanations for their decisions. Embrace explainable AI techniques to enhance transparency and interpretability.

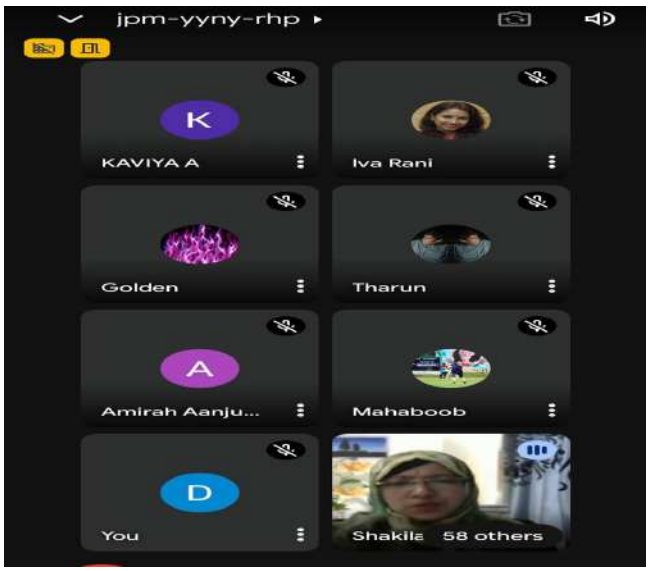
8. Regulatory Compliance: Stay informed about evolving regulations related to AI. Comply with data protection laws, industry standards, and ethical guidelines to ensure responsible AI development and deployment.

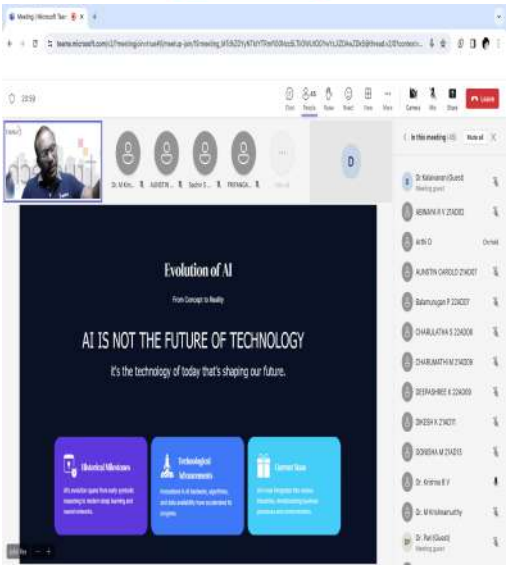
9. AI Governance and Risk Management: Establish governance frameworks for AI projects. Implement risk management strategies to identify and mitigate potential issues throughout the development lifecycle.

10. Adaptability Culture: Foster a culture of adaptability within your organization. Encourage team members to embrace change, continuously learn, and be open to adopting new technologies and methodologies.

By combining technical expertise with adaptability and a commitment to ethical practices, IT professionals can effectively navigate the evolving landscape of AI and contribute to the responsible development and deployment of AI technologies.







WORKSHOP ON SoP (Statement of Purpose)

Date	09/03/2023
Title	Workshop on SoP
Speaker	IDP
Hall	At Conference Hall
Time	1:00 to 2:00 PM
No of Participants	Final years aero, civil etc

Workshop Content:

The workshop covered key aspects of writing an impactful SoP, including:

1. Understanding the purpose and significance of a SoP.
2. Identifying the essential elements to include in a SoP.
3. Crafting a compelling narrative that showcases the applicant's unique strengths, experiences, and aspirations.
4. Tips for structuring and formatting a SoP to enhance readability and engagement.
5. Strategies for tailoring SoPs to specific audiences and contexts.

Participants' Engagement:

The workshop saw active participation from attendees representing diverse backgrounds and interests. Through interactive discussions, practical exercises, and examples of successful SoPs, participants gained valuable insights into the art of effective storytelling and self-presentation.

GRADUATE ENGINEER VS PROFESSIONAL ENGINEER - A PERSPECTIVE

Date	20/03/2023
Title	GRADUATE ENGINEER VS PROFESSIONALENGINEER - A PERSPECTIVE

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Speaker	Professor Ir. U. Johnson Alengaram PhD (Struct.), CIEM, MCSM, MACF, CEng MICE (UK), M.ASCE (USA) Director, Centre for Innovative Construction Technology (CICT) Department of Civil Engineering, Faculty of Engineering University of Malaya, 50603, Kuala Lumpur, Malaysia
Hall	At Conference Hall
Time	1:00 to 2:00 PM
No of Participants	Final years aero, civil etc

Description:

The event commenced with a warm welcome speech and Introductions by *Dr. V. Vandana Devi*, Head of the Department of Civil Engineering. She set the tone for the day, welcoming all attendees with enthusiasm and setting the stage for what promised to be an informative session. Following that, *Dr. M. Muthukannan*, the Principal, delivered a motivational speech, inspiring the audience with his words of wisdom and encouragement. His presence added gravitas to the event, setting a positive atmosphere for learning and growth. The esteemed guest lecturer, *Professor Ir. Dr. U. Johnson Alengaram*. Professor Alengaram, a Professor at the University of Malaya, Kuala Lumpur, Malaysia, and the Director of the Centre for Innovative Construction Technology (CICT), was welcomed with reverence and anticipation.

Professor Alengaram began his presentation with a brief overview of his life story, sharing insights into his journey and the challenges he overcame to achieve his current stature. His personal anecdotes added a human touch to the event, resonating with the audience and fostering a sense of connection. Moving on to the core of his lecture, Professor Alengaram delved into the topic of his innovative project: Geopolymer Concrete House. With expertise and passion, he elucidated the principles and applications of geopolymer concrete, showcasing its potential to revolutionize the construction industry. Throughout the presentation, attendees were captivated by Professor Alengaram's depth of knowledge and engaging delivery style. His expertise combined with real-world examples made the complex subject matter accessible to all, sparking curiosity and inspiration among the audience. Attendees participated actively, posing questions and sharing insights on sustainable construction methods. The lecture shed light on the disparity between a graduate engineer and a professional engineer, emphasizing the importance of experience, ethics, and continuous learning in transitioning from academia to industry practice. Overall, the session

facilitated a holistic understanding of both technical advancements and professional development within the construction sector.

Feedback: The seminar proved to be an enriching experience for all participants, thanks to the insightful presentations by Professor Alengaram and the inspiring speeches by the event's organizers. As attendees left the venue, they carried with them newfound knowledge and a renewed enthusiasm for innovation in construction technology.