



Holy Cross College (Autonomous) Nagercoil – 629 004

Affiliated to Manonmaniam Sundaranar University, Tirunelveli
Nationally Accredited with A+ Grade (CGPA 3.35) by NAAC IV Cycle
An ISO 9001:2015 Certified Institution

SSR
2019-2020
to
2023-2024

5.1.3 Capacity development and skills enhancement activities are organised for improving students' capability

TALK ON ARTIFICIAL INTELLIGENCE

HOLY CROSS COLLEGE (AUTONOMOUS)
(AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY)
(ACCREDITED WITH A+ GRADE (CGPA 3.35-IV CYCLE) BY NAAC)
NAGERCOIL-629004

G20
भारत 2023 INDIA

The Mathematics Club
Organises a talk on
"ARTIFICIAL INTELLIGENCE"
Resource person : **S. Mary Ashany**

VENUE :
III UG CLASSROOM

DATE :
12/09/2023

CONVENER: DR.T.SHEEBA HELEN
HEAD OF THE DEPARTMENT

STAFF INCHARGE:
DR. M. K. ANGEL JEBITHA
DR.A.ANAT JASLIN JINI

PRESIDENT: T JEYA AARYA
SECRETARY: C.DEVA THIPIKSHA

Title of the Programme	: Artificial Intelligence
Objective	: To learn about artificial intelligence in various fields
Organized by	: Mathematics Club
Organizing Secretaries	: Dr. M. K. Angel Jebitha and Dr. A. Anat Jaslin Jini
Resource Person	: Miss. S. Mary Ashany III UG Mathematics (Aided) Holy Cross College (Autonomous) Nagercoil-4.
Venue	: III UG Classroom – Room No. 72

Mathematics Club Meeting was held on 12th September 2023 from 2:15 pm to 3:15 pm in III UG Classroom. The meeting started with a prayer song by the students of II UG. Miss. S. Qury Fiony of III UG welcomed the gathering followed by the report reading of the previous report of the photography contest by Miss. C. Deva Thibiksha, Secretary of Mathematics Club. There was a talk on the topic “Artificial Intelligence” by Miss. S. Mary Ashany of III UG. With eloquence and insight, she delved into the pervasive influence of Artificial Intelligence, elucidating its dominion over contemporary society. Expanding on its multifaceted applications across various domains, Miss. Ashany navigated through the transformative impact of AI on industries, healthcare, and beyond. Furthermore, she astutely explored the evolving dynamics between humanity and AI, contemplating the prospects and perils that lie ahead. She clearly explained about how Artificial Intelligence rules the world, applications of Artificial Intelligence in various fields and the future of human beings. Miss. J. Abisha of I PG proposed the vote of thanks and Miss. Motcha Alphons Sania of I UG hosted the meeting.

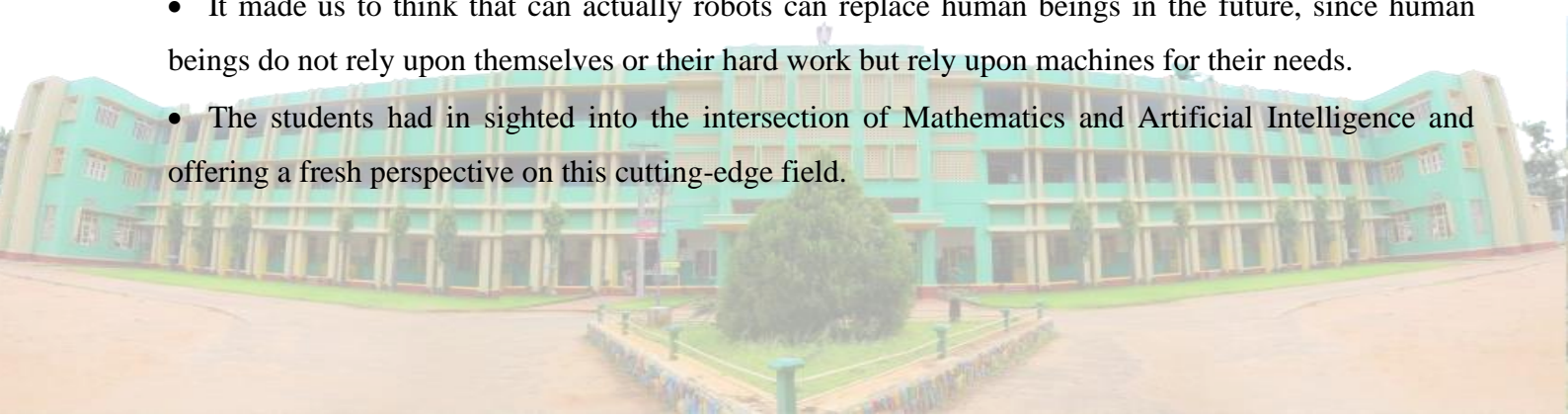
Number of beneficiaries : 62

Outcome:

- The students gained insight into Mathematics and AI and received a fresh perspective on this cutting-edge field.

Feedback

- Able to learn about the applications of Artificial Intelligence in various fields.
- Able to learn how mathematics is used in Artificial Intelligence.
- It made us to think that can actually robots can replace human beings in the future, since human beings do not rely upon themselves or their hard work but rely upon machines for their needs.
- The students had in sighted into the intersection of Mathematics and Artificial Intelligence and offering a fresh perspective on this cutting-edge field.





DIGITAL RULES AND RESPONSIBILITIES



HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL- 4

Affiliated to Manonmanium Sundaranar University
Accredited with A+ Grade (CGPA 3.35) by NACC (IV Cycle)



Ramanujan Mathematics Club in collaboration with Thiruppumunai

Organises an awareness programme on

Digital Rules And Responsibilities

Resource Persons & Their Session Topics



Dr. Sr. Leema Rose,
Vice Principal, Holy Cross College (Autonomous),
Nagercoil.
Provides a talk on
Benefits of Digital Media

Rev. Dr. J. Francis Xavier Nelson,
Director, Addiction Treatment Ministry, Nagercoil.
Provides a talk on
Damages Caused by Digital Media



Dr. Sr. Basil Rose,
Former Secretary & Principal,
Holy Cross College (Autonomous), Nagercoil.
Provides a talk on
Regulations for Digital Media

30-08-2023
2.15 pm to 3.15 pm
Multi Purpose Hall

Sr. Antin Mary,
Assistant Professor, Department of Mathematics,
Holy Cross College(Autonomous), Nagercoil.
Provides a talk on
Responsible Use of Digital Media



Head of the Department
Dr. S. Kavitha.

Organizing Secretaries,
Ms. J. Anne Mary Leema
&
Ms. Y. A. Shiny



Title of the Programme	: Digital Rules and Responsibilities
Date	: 30-08-2023
Theme	: Understanding and adhering to ethical guidelines, laws and social norms governing online behaviour.
Venue	: Multi-Purpose Hall
Resource Persons	: Dr. Sr. Leema Rose, Vice Principal, Holy Cross College (Autonomous), Nagercoil, Dr. Fr. Francis Xavier Nelson, Director, Addiction Treatment Ministry, Nagercoil and Dr. Sr. Basil Rose, Former Principal and Secretary, Holy Cross College (Autonomous), Nagercoil.

The Department of Mathematics S.F. organized a Programme on “Digital Rules and Responsibilities”. on 30-08-2023. The resource persons are Dr. Sr. Leema Rose, Vice Principal, Holy Cross College (Autonomous), Nagercoil, Dr. Fr. Francis Xavier Nelson, Director, Addiction Treatment Ministry, Nagercoil and Dr. Sr. Basil Rose, Former Principal and Secretary, Holy Cross College (Autonomous), Nagercoil. In this program students got awareness about the rules and regulations of digital media. They got insight on benefits of digital media and damages caused by digital media. Also they realized that digital media and social media must be used productively and responsibly. The number of beneficiaries for this programme was 60. In this program students got awareness about the rules and regulations of digital media.

Outcome:

Students got insight on benefits of digital media, damages caused by digital media, regulations of digital media and responsible use of digital media.





SENSOR BASED EQUIPMENTS

The Skill development Programme on “Sensor Based Equipments” was organized by the Department of Physics, Holy Cross College (Autonomous), Nagercoil in association with Spenser & Co, Nagercoil on 6th July, 2023. Faculties and students were benefitted from this program. The event started with the prayer song, sung by Loreena Solomon and her team from I M. Sc Physics Students. The Programme moderator was Ms. P. Priscilla from III B. Sc Physics. She welcomes the guest and the gatherers. Immediately after welcoming the audience, the session enlightens with talk of honourable resource person Mr. C. M. John Joseph, D.E.E, Director, Spenser & Co, Vetturimadam, Nagercoil, he reflects his short talk regarding the usage of the sensor in various industries. Followed by, the resource person Mr. Venu Raja, DECE, Instructor, Lakrran & Co, Chennai gave a vibrant talk on the topic” Sensor Based Equipments”. The students were exaggerated by his talk. They got so many ideas regarding the sensors used in our day today life activities. A sensor-based talk related to Industry 4.0 explores into various aspects of how sensors are revolutionizing manufacturing processes, enhancing efficiency, and enabling the implementation of smart factories. It includes the role of different sensors, types, challenges and opportunities in sensor based devices. Really a thought-provoking session and highly interactive session, which promotes and persuades our students innovativeness. Finally, Ms. P. Priscilla, Moderator, finish the programme by proposing the vote of thanks to the gatherers.



NANOTECHNOLOGY INNOVATIONS IN THE ENERGY SECTOR



Holy Cross College (Autonomous)

Nagercoil- 629 004, Tamilnadu

Affiliated to Manonmaniam Sundaranar University
Accredited with 'A +' (CGPA 3.35 - IV Cycle) by NAAC
An ISO 9001:2015 Certified Institution



Department of Physics

Organizes

National Conference on

Nanotechnology Innovations in the Energy Sector

21st August,
2023

Venue : Multipurpose Hall, Holy Cross College (Autonomous), Nagercoil

Programme Schedule

Registration (9.00 AM to 9.30 AM)
Inaugural Session: 9.30 AM -10.00 AM

Prayer Song: I PG Students

- Welcome Address :** Dr. M. Priya Dharshini,
Assistant Professor of Physics,
Holy Cross College (Autonomous), Nagercoil.
- Felicitation :** Dr. Sr. S. Sahayaselvi, Principal,
Holy Cross College, Nagercoil.
- Vote of Thanks :** Dr. R. Krishna Priya,
Assistant Professor of Physics,
Holy Cross College (Autonomous), Nagercoil.

Session -I (10.00 AM -11.00 AM)

- Invited Lecture 1 :** Nanostructured Materials for Thermoelectric Energy Conversion
Dr. S.R. Sarath Kumar, Assistant Professor,
Department of Nanoscience and Technology,
University of Kerala,
Thiruvananthapuram, Kerala.

Tea Break : 11.00 AM to 11.20 AM

Session -II (11.20 AM -12.20 PM)

- Invited Lecture 2 :** Fueling the Future : Solid Oxide Fuel Cells
Dr. Sibi K.S., Assistant Professor,
Department of Physics ,
University of Kerala,
Thiruvananthapuram, Kerala.

Lunch Break : 12.20 PM to 1.30 PM

Session -III (1.30 PM -3.15 PM)

Paper Presentation

Valedictory Session

Chief Patron
Dr. Sr. M. Mary Hilda
Secretary

Chairperson
Dr. Sr. S. Sahayaselvi
Principal

Conveners

Dr. M. Priya Dharshini
Dr. R. Krishna Priya



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Registration Fee

Category	Fee
Students/Research Scholars/Faculty (Participation only)	Rs. 250/-
Students/Research Scholars/Faculty (Paper Presentation)	Rs. 500/-

Registration Link : <https://forms.gle/2BrDFXUGiDpcHzGH7>

Important Dates

Last Date for Registration : 20.08.2023
Last Date for submission of abstracts : 12.08.2023
Last date for submission of full Paper : 14.08.2023

Call for Papers

Scientific papers are invited on the theme and scope of the conference. Papers on original work and not published elsewhere should be submitted in the form of an abstract (1 page) and full length paper (limited to 4 pages). Authors of the contributed papers are requested to submit their abstracts and full paper through the Email ncnies2023@gmail.com. All the accepted papers will be published in NCNIES-2023 Proceeding with ISBN Number 978-81-964277-3-3.

BEST PAPER PRESENTATION AWARDS WILL BE GIVEN

Organizing Committee

Dr. C. Nirmala Louis
Dr. V. Shally
Dr. A. Lesly Fathima
Dr. M. Abila Jeba Queen
Dr. S. Sonia
Dr. P. Aji Udhaya
Dr. Sr. S. Sebastiammal
Dr. S. J. Jenepha Mary
Dr. J. Jude Brilin

The National Conference on “Nanotechnology Innovations in the Energy Sector” was organized by the Department of Physics, Holy Cross College (Autonomous), Nagercoil on 21st of August, 2023. Faculty, students and research scholars from host and other institutions participated in the programme. The event started with the Inaugural function. Initially the prayer song was conducted by Loreena Solomon and her team from I M.Sc Physics Students. The programme was followed by welcome address by Dr. M. Priya Dharshini, Assistant Professor, Department of Physics. Dr. Sr. Sahayaselvi, the Principal of our college offered felicitation and enlightened the organizers and participants with the objectives of the conference and released the Proceedings of the Conference, and was received by the resource person, Dr. K.S. Sibi, Assistant Professor, Department of Physics, University of Kerala, Thiruvananthapuram, Kerala. Then the next session began with the talk of honourable resource person Dr. S. R. Sarath Kumar, Assistant Professor, Department of Nanoscience and Technology, University of Kerala, Kariavattom, Kerala. He reflected his expertise on “Nanostructured Materials for Thermoelectric Energy Conversion”. He explained about the materials used for thermo-electric energy conversion. He also discussed the role of nanostructured materials in driving innovation and transformation within the context of industry 4.0. This session explores the latest advancements in nanostructured materials and their applications in various industries. In the second session, the resource person Dr. K.S. Sibi, Assistant Professor, Department of Physics, University of Kerala, Thiruvananthapuram, Kerala, delivered his lecture on “Fueling the future: Solid Oxide Fuel Cells”. He shared the scope and future of environmentally friendly materials. He also discussed the potential impact of fuel cells on key Industry 4.0 pillars. In the session III, paper presentation was organized. Among the 200 participants, 20 of them presented their research work. Dr. G. Deepa, Assistant Professor, Pioneer Kumaraswamy College, Nagercoil was invited as judge for the paper presentation.





INTELLECTUAL PROPERTY RIGHTS: IMPLICATIONS IN INDUSTRY



**HOLY CROSS COLLEGE (AUTONOMOUS),
NAGERCOIL**

Accredited with 'A+' Grade (IV Cycle - CGPA 3.35) by NAAC
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

Department of Physics
in collaboration with
Institution's Innovation Council (IIC)
Organizes a session on



**Intellectual Property
Rights : Implications in Industry**

Resource Person

Dr. V. AJITH PRABHU

Chief Scientist, Head TDPMD & Nodal Officer
Patent Information Cell - Kerala, KSCSTE

Venue: St. Joseph's Hall

Date : 26.09.2023

Time : 11.00 a.m to 1.00 p.m

Google Meet

meet.google.com/mov-mxnc-bwn

Patron : Dr. Sr. M. Mary Gilda, Secretary

Chairperson : Dr. Sr. S. Sahayaselvi,
Principal & President of IIC

Convener : Dr. C. Nirmala Louis, Head of the Department

Organizing Secretary : Dr. S. Sonia

The Department of Physics in collaboration with IIC, Holy Cross College (Autonomous), Nagercoil, organized the Session on “Intellectual Property Rights: Implications in Industry” on 26-09-2023 in online mode. The event started with the prayer song was conducted by Loreena Solomon of I M.Sc Physics. The programme was followed by welcome address by Ms. Ambro Amalavarshini, III B.Sc. Physics Dr. V. Ajith Prabhu, Chief Scientist, Head of TDPMD (Technology Development and Project Management Division), and Nodal Officer of the Patent Information Cell, was the resource person for the event. He shared insights and knowledge on patent filing and drafting, shedding light on the importance of intellectual property rights in the industry. 152 students were enriched their knowledge in patent filling and drafting. Ms. Anslin Johny of I M.Sc. Physics delivered the words of gratitude.



UNLOCKING INNOVATION: NAVIGATING IPR IN A GLOBAL LANDSCAPE



Holy Cross College (Autonomous)

Accredited with 'A+' Grade (CGPA 3.35) by NAAC (IV Cycle)

Affiliated to Manonmaniam Sundaranar University

Nagercoil-629004, Tamilnadu, India

Department of Physics

In Collaboration with

IIC and Holy Cross Innovation and Incubation Centre

Organises a Seminar on

Unlocking Innovation: Navigating IPR in a Global Landscape

Date : 16.02.2024

Time : 10.30 am - 12.30 pm

Venue: Sr. Emilie Seminar Hall



Resource Person

Dr. R. S. Rimal Isaac

MoE Innovation Ambassador

Assistant Professor in Nanotechnology

Noorul Islam Centre for Higher Education

Kumarakoil

Tamil Nadu

Patron: Dr. Sr. M. Mary Hilda, Secretary

President: Dr. Sr. Sahaya Selvi, Principal

Programme Coordinators

Convener: Dr. C. Nirmala Louis, HOD of Physics

Organising Secretary: Dr. P. Aji Udhaya, Asst. Professor of Physics

This seminar on Intellectual Property Rights (IPR) in the context of Industry 4.0 can provide valuable insights into the legal, ethical, and strategic considerations surrounding innovation and technology development in the modern industrial landscape. On February 16, 2024, a seminar titled "Unlocking Innovation: Navigating IPR in a Global Landscape" was held at Sr. Emilie's Hall of Holy Cross College (Autonomous) in Nagercoil. The session began at 10:30 am with a prayer song performed by Ms. Devadharshini of III B.Sc. Physics. Following this, Ms. Priscilla of III B.Sc. Physics delivered the welcome address, and Ms. Ashmin of III B.Sc. Physics facilitated the ceremony. The resource person for the seminar was Dr. R. S. Rimal Isaac, Assistant Professor in Nanotechnology at Noorul Islam Centre for Higher Education. Dr. Isaac provided a comprehensive explanation of Intellectual Property and its significance in the global landscape. He highlighted the advancements in research and emphasized the importance of patenting for the benefit of future generations. The guest speaker engaged with students and research scholars, discussing strategies to convert their innovative research ideas into patents. Lastly, Ms. Thanusha of III B.Sc. Physics, concluded the seminar with a Vote of Thanks. A total of 10 staff members and 135 students benefited from the valuable insights shared during the seminar.



TIGHT FOCUSING PROPERTIES OF LASER AND SUN LIGHT



HOLY CROSS COLLEGE (AUTONOMOUS)

Nagercoil - 629 004, Tamil Nadu, India.

Affiliated to Manonmaniam Sundaranar University

Accredited with 'A+' Grade (CGPA- 3.35) by NAAC (IV cycle)



Department of Physics

Organizes an Endowment Lecture on

**"TIGHT FOCUSING PROPERTIES OF LASER AND
SUN LIGHT"**

Date : 08.12.2023

Time: 1.30 - 3.00 p.m

Venue : St. Joseph's Hall

Resource Person

Dr. P. M. Anbarasan

Professor-cum-Director, CNRES

Department of Physics

Periyar University

Salem - 636 011, Tamilnadu

Patron : Dr. Sr. M. Mary Hilda, Secretary

Chairperson : Dr. Sr. S. Sahayaselvi, Principal

Convener : Dr. C. Nirmala Louis, HOD

Organizing Secretary : Dr. A. Lesly Fathima

Endowment lecture on “Tight Focusing properties of Laser and sun light” was organized by the Department of Physics, Holy Cross College (Autonomous), Nagercoil on 08.12.2023. The session commenced with a prayer song, invoking wisdom and enlightenment. Following the prayer, the gathering was warmly welcomed by Dr. A. Lesly Fathima, Assistant Professor of Physics, Holy Cross College (Autonomous), Nagercoil. The resource person Dr. P.M. Anbarasan, Professor cum Director, CNRES, Department of Physics, Periyar University, Salem enlightened the gathering on intricate characteristics of focused light beams, both from lasers and natural sunlight. He also explained about spatial precision, intensity distribution, coherence, polarization, nonlinear effects and beam quality, Vote of thanks was given by Ms. S. Jasvy, Research Scholar, Holy Cross College (Autonomous), Nagercoil. Totally 163 students were participated and benefitted from this programme.



INNOVATION THROUGH IDEATION - VIRTUAL REALITY



**Holy Cross College (Autonomous)
Nagercoil -4.**

Affiliated to Manonmaniam Sundaranar University, Tirunelveli.

Accredited with A⁺ Grade (CGPA 3.35 - IV Cycle) by NAAC



Department of Botany

In Collaboration with

Institution's Innovation Council (IIC)



Organizes a

Workshop

On

**"INNOVATION THROUGH IDEATION
-VIRTUAL REALITY"**

Resource Person:



Dr N.C.J.PACKIA LEKSHMI

ASSISTANT PROFESSOR OF ALLIED HEALTH SCIENCES, INNOVATION
AMBASSADOR, ARIIA NODAL OFFICER, NOORUL ISLAM CENTRE FOR
HIGHER EDUCATION, KUMARACOIL

Date: 05-09-2023

Time: 1:15 pm - 3:15 pm

Venue: St. Joseph's Hall

Patron: Dr. Sr. Mary Hilda M.

Chair Person : Dr. Sr. Sahayaselvi S.

Head of the Department : Dr. Anami Augustus Arul A.

Organizing Secretary: Dr. Albino Wins J.

On 5th September 2023, Department of Botany in collaboration with Institution's Innovation Council (IIC) of Holy Cross College (Autonomous), Nagercoil-4 organized a Workshop on "Innovation Through Ideation - Virtual Reality" in St.Joseph's Hall sharp at 1.15 p.m.

The program started with the prayer song by III B.Sc. Botany students. Sr. Anusha of III B.Sc Botany welcomed the gathering. Dr N.C.J.Packia Lekshmi, Assistant Professor of Allied Health Sciences, Noorul Islam Centre for Higher Education, Kumaracoil served as a resource person. It is a creative and brainstorming - driven approach to explore potential solutions to problems, creating innovative products or services, or identifying new opportunities for business growth. The resource person clearly differentiates the path of creativity and innovation with respect to idea generation. Various activities like story boarding, analog thinking, puzzles, opposite thinking, mind mapping, vision card, lateral thinking, SCAMPER, TRIZ etc, were given to the students to think in a different way for finding out solutions. This session moulded the students with creative action-based strategies, to find multiple solutions to the problems with various possible situations in the future. The outcome of this critical thinking and innovative workshop are specifically important for the students in developing more skills for the advanced career of education. The programme came to end with vote of thanks proposed by Miss. Manya Dhas, II M.Sc Botany.





**EMPOWERING SUSTAINABILITY THROUGH INNOVATIVE MOBILE APPLICATION:
ADDRESSING POLLUTION CHALLENGES AND PROMOTING ECO-FRIENDLY
PRACTICES**




**HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL - 4**
Affiliated to Manonmaniam Sundaranar University , Tirunelveli
Accredited with A⁺ Grade (CGPA 3.35 - IV Cycle) by NAAC

NATIONAL POLLUTION PREVENTION DAY

Organized by

 **DEPARTMENT OF BOTANY IN
COLLABORATION WITH IIC** 

Topic
Empowering Sustainability Through Innovative Mobile
Application: Addressing Pollution Challenges and Promoting Eco -
Friendly Practices

Resource Person: Dr. S. Uma Devi,
Innovation Ambassador
Assistant Professor of Botany,
Sree Ayyappa College for Women,
Chunkankadai, Nagercoil.

Date: 22.12.2023
Time: 2.00 - 3.00 pm
Venue: St. Joseph's Hall
Patron: Dr.Sr. M.Mary Hilda, Secretary
Chair Person: Dr.Sr.S. Sahayaselvi, Principal
Head of the Department: Dr. A. Anami Augustus Arul
Organizing Secretary: Dr.W. Vincy

Title of the Programme	: Empowering Sustainability Through Innovative Mobile Application: Addressing Pollution Challenges and Promoting Eco-Friendly Practices
Date	: 22-12-2023
Time	: 2 p. m to 3p.m
Theme/ Objective	: To inculcate innovative ideas among students through different activities.
No. of student participants	: 98
Venue	: St.Joseph's Hall

On 22ndDecember 2023, Department of Botany in collaboration with Institution's Innovation Council (IIC) of Holy Cross College (Autonomous), Nagercoil-4 organized a Seminar on "Empowering Sustainability Through Innovative Mobile application: addressing Pollution Challenges and Promoting Eco-Friendly Practices' in St.Joseph's Hall sharp at 2 p.m.

The program started with the prayer song by III B.Sc. Botany students. Sr. Anusha of III B. Sc Botany welcomed the gathering. Dr. S. Uma Devi, Innovation ambassador, Assistant Professor of Botany, Sree Ayyappa College for Women, Chunkankadai, Nagercoil served as a resource person. The innovative mobile application aims to empower sustainability by addressing pollution challenges. It offers real-time data on local pollution levels, raising awareness among users. The app encourages eco-friendly practices through personalized tips and challenges. Integrated GPS functionality helps users discover nearby green initiatives and sustainable businesses. A user-friendly interface allows individuals to track and reduce their carbon footprint. The app fosters a sense of community by connecting users with similar eco-conscious goals. This session mould the students with creative action-based strategies, to find multiple solutions to the problems with various possible situations in the future. The outcome of this critical thinking and innovative seminar are specifically important for the students in developing more skills for the advanced career of education. The programme came to end with vote of thanks proposed by Miss. Manya Das, II M.Sc Botany.





**SYNERGISING SATELLITE-BASED PHYTOPLANKTON MONITORING WITH INDUSTRY 4.0 FOR
SUSTAINABLE SMART AGRICULTURE**



Technical session - I - 10:30 a.m. - 12:00 noon

Topic : Adaptation of Industry 4.0 in Smart Agriculture

Resource Person

Dr.J.Colins Johnny, Assistant Professor, Department of Civil Engineering, University College of Engineering, Nagercoil

Technical Session - II - 1:00 p.m. - 2:30 p.m.

Topic :Satellite Image Based Estimation of Phytoplankton (Chl-a) and its Seasonal Variability

Resource Person

Dr. S. Kaliraj, Scientist - D, Biogeochemistry Group
National Centre for Earth Science Studies (NCESS)
Ministry of Earth Sciences, Government of India
Thiruvananthapuram, Kerala

Organizing Committee

PATRON

Dr. Sr. Mary Hilda, Secretary.

CHAIR PERSON

Dr. Sr. Sahayaselvi, Principal.

CONVENOR

Dr. A. Anami Augustus Arul,
Head, Department of Botany,
Holy Cross College (Autonomous)
Nagercoil.

ORGANIZING SECRETARIES

Dr.A. Anami Augustus Arul
&
Dr. Sr. Leema Rose
Vice Principal, Assistant Professor,
Department of Botany,Holy Cross College
(Autonomous)
Nagercoil.

ORGANIZING MEMBERS

Dr. Bojaja A. Rosy
Dr. A. R. Florence
Dr. J. Albino Wins
Dr. J. Celin Pappa Rani
Dr. S. Kala Vetha Kumari
Dr. W. Vincy



**Holy Cross College (Autonomous),
Nagercoil -4**

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National Seminar on

**“Synergizing Satellite-Based
Phytoplankton Monitoring with
Industry 4.0 for Sustainable Smart
Agriculture”
1st March, 2024**

Organized by

PG and Research Department of Botany
Holy Cross College (Autonomous)
Nagercoil- 629 004.



Title of the Programme : National Seminar on “Satellite Image-Based Estimation of Phytoplankton (Chl-a) and Seasonal Variability with Industry 4.0 in Smart Agriculture”

Date : 01-03-2024

Venue : Multipurpose Hall, Holy Cross College (Autonomous), Nagercoil -4

Introduction:

The seminar featured two distinguished speakers, Dr. S. Kaliraj, Scientist D at the National Centre for Earth Science Studies, and Dr. J. Collins Johnny, Assistant Professor of Civil Engineering at the University College of Engineering, Nagercoil.

Dr. S. Kaliraj's Presentation:

Dr. Kaliraj highlighted the significance of phytoplankton in marine ecosystems and Chl-a as a crucial indicator of its biomass. He demonstrated the power of satellite imagery in monitoring marine environments, explaining methodologies, data processing techniques, and sharing case studies illustrating the application of satellite imagery in tracking phytoplankton abundance. The presentation also addressed seasonal variability factors and potential challenges in the field.



National Seminar
Department Of Botany
01.03.2024 10:35
8.15455, 77.4156
5C38+R68, Holy Cross College Rd, Thollavilai, Nagercoil, Tamil
Nadu 629002



Botany Department
01.03.2024 09:52
8.15452, 77.41565
5038+R68, Holy Cross College Rd, Thollavilai, Nagercoil 629002

DR. J. COLLINS JOHNNY'S PRESENTATION

Dr. Johnny introduced Industry 4.0 and its transformative impact on traditional industries. He delved into the realm of smart agriculture, showcasing the integration of Industry 4.0 technologies. The presentation covered challenges faced in implementing these technologies in agriculture and explored the role of GIS in enhancing decision-making. Dr. Johnny also highlighted potential synergies between Industry 4.0 in agriculture and satellite-based phytoplankton estimation.



National Seminar
Department Of Botany
01.03.2024 13:30
8.15454, 77.41566
5038+R68, Holy Cross College Rd, Thollavilai, Nagercoil, Tamil
Nadu 629002

Conclusion:

The seminar provided a valuable platform for participants to gain insights into cutting-edge technologies in marine science and agriculture. The integration of satellite imagery for phytoplankton estimation and Industry 4.0 in smart agriculture showcased the interdisciplinary nature of these advancements. 65 students from our college and 35 staff, students and research scholars from other colleges has participated. Sr. Leema Rose, Assistant Professor of Botany and Dr. A. Anami Augustus Arul, Head, Department of Botany, were the organizing secretaries for the seminar. Attendees engaged in a vibrant Q&A session, addressing queries to both speakers.

MICROSOFT OFFICE AND MEDICAL CODING



**DEPARTMENT OF ZOOLOGY
HOLY CROSS COLLEGE (AUTONOMOUS) NAGERCOIL**

AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI
ACCREDITED WITH A+ GRADE (CGPA 3.35 - IV CYCLE) BY NAAC

ORGANISES

**REGIONAL LEVEL WORKSHOP ON
MICROSOFT OFFICE AND MEDICAL CODING**

RESOURCE PERSON: Dr. F. Brisca Renuga, Associate Professor
Dr. X. Venci Candida, Assistant Professor
Holy Cross College (Autonomous), Nagercoil.
Dr. Jenisha, Senior Medical Trainer, Transorze,
Trivandrum.

Secretary

Dr. Sr. Mary Gilda

Principal

Dr. Sr. Sahayaselvi

Head of the Department

Dr. A. Shyla Suganthi

DATE : 22.02.2024

TIME : 9.30 AM -3.00 PM

VENUE : Zoology Main Lab

ORGANIZERS: Dr. P. T. Arokya Glory
Dr. C. Josephine Priyatharshini



Date	: 22-02-2024
Time	: 9.00 am to 3.00 pm
Theme/Objective	: To promote career opportunities
No. of Beneficiaries	: 120
Venue	: Zoology Main Laboratory, Holy Cross College (Autonomous), Nagercoil.

One day Regional Level Hands on Training on Mobile Learning and Medical Coding was organized by the Department of Zoology, Holy Cross College (Autonomous), Nagercoil.

MOBILE LEARNING AND MEDICAL CODING

The prime aim of the training programme was to provide participants with practical knowledge and skills in Microsoft Office for educational purposes and understanding the fundamentals of medical coding. The training programme was started with a prayer song followed by the inaugural address by Dr. S. Mary Mettilda Bai, Associate Professor of Zoology.

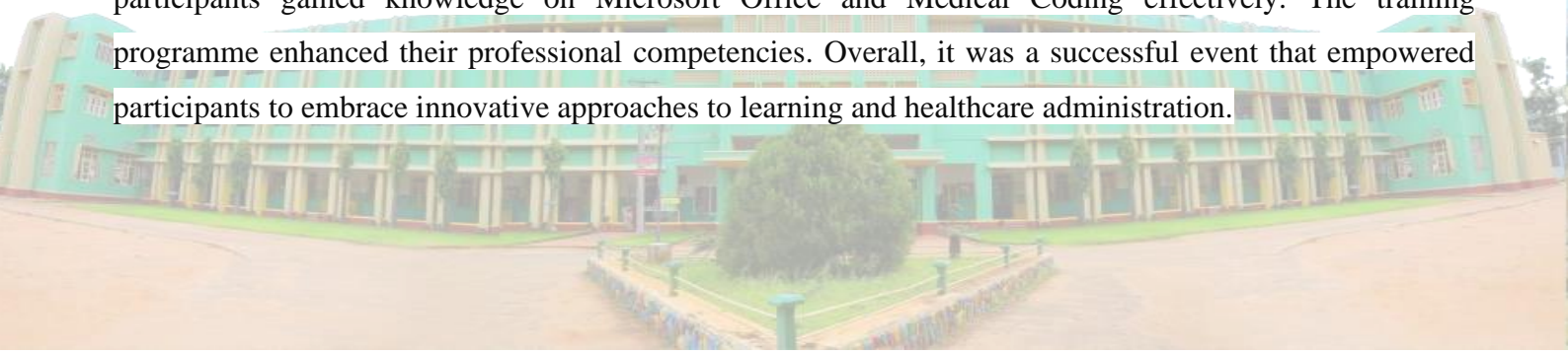
Inaugural Programme

Dr. Brisca Renuga, Associate Professor of Zoology and Dr. Venci Candida, Assistant Professor of Zoology were the resource Persons for Mobile Learning. The participants learned about Microsoft Word, Microsoft Power point, Microsoft Excel, Designing brochures etc.

Session on “Mobile Learning”

Dr. Jenisha, Senior Medical Trainer, Transorze handled the sessions on Medical Coding. She highlighted the importance of Medical Coding in healthcare reimbursement, insurance claims, and medical record keeping. Participants were introduced to coding systems such as ICD-10-CM, CPT, and HCPCS Level II.

Nearly 120 students got benefitted. This programme was organized by Dr. P.T. Arokya Glory, Associate Professor of Zoology and Dr. C. Josephine Priyatharshini, Assistant Professor of Zoology, Holy Cross College (Autonomous), Nagercoil. The training programme provided participants with valuable insights and practical skills to harness the potential of Microsoft Office technologies in education and the applications of Medical Coding in healthcare. Through hands-on activities and interactive sessions, participants gained knowledge on Microsoft Office and Medical Coding effectively. The training programme enhanced their professional competencies. Overall, it was a successful event that empowered participants to embrace innovative approaches to learning and healthcare administration.





WE ARE IN CLASS



**DEPARTMENT OF ZOOLOGY
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL**



ENDOWMENT LECTURE

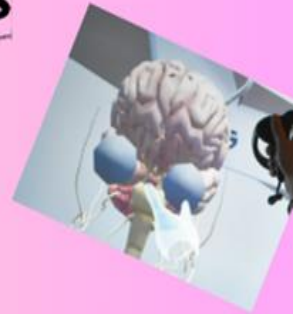
TOPIC: WE ARE iN CLAss

DATE: 20.01.2024

TIME: 11.00 AM TO 12.30 PM

VENUE: CECILE HALL

NAVIGATORS



**MR. CARDINAL STANLEY RAJ
DIRECTOR
ARCLINES VIRTUAL REALITY
ACADEMY, TRICHY**

**MR. STEPHEN PRAKASH
HEAD - OPERATIONS
ARCLINES VIRTUAL REALITY
ACADEMY, TRICHY**

**MS. J. JERLY
RESEARCH SCHOLAR
DEPT. OF ENGLISH
HOLY CROSS COLLEGE (AUOOMOUS)
NAGERCOIL**

ORGANIZED IN CONNECTION WITH.....

Dr. Sr. Mercy's Endowment



Flor dullee's Endowment



Dr. Florence Mary

Mrs. Dulcy Fatima

Mrs. Leeh Judnis

Dr. Mrs. Vimala's Endowment



**Sponsored by
Staff, Management
& Dr. Hermana Gilt Arachi
(Former Head of the Dept. of Tamil)**



NAAC V Cycle Self Study Report (SSR)

The Department of Zoology organised an endowment lecture titled "We are in Class" on January 20, 2024. The session commenced at 11.00 am with the rendition of a prayer song performed by Ms. Sherina Glory, II B.Sc. Zoology. The resource persons were introduced by Dr. Mary Mettilda Bai, Associate Professor of Zoology. Mr. Cardinal Stanely Raj, the Director of Arcline Virtual Reality Academy, Trichy, provided a concise explanation of the academy's inception. The history of virtual reality and its application in educational institutions was discussed by Miss J. Jerline, Research Scholar in the Department of English. Mr. Stephen, the Head of Operations at Arcline Virtual Reality Academy, provided the students with information on the application of virtual reality in the teaching of Zoology. The staff and students had hands-on experience in Zoology by utilising virtual reality technology. Ms. Ansa Mary, I M.Sc. Zoology, delivered the Vote of Thanks. Ms. Mic Salomia, I M.Sc. Zoology served as the Master of Ceremony. The session concluded precisely at 1.00 pm.

Impact: The introduction of virtual reality technology in the "We are in Class" program enhanced Zoology education through experiences, expanding perspectives on its applications.

Outcome: Participants gained hands-on experience, increasing their understanding of Zoology



INNOVATIVE REIMAGINING OF LANGUAGE AND LITERATURE FOR INDUSTRY 4.0



PG & RESEARCH DEPARTMENT OF ENGLISH
HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL
(AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI)
ACCREDITED WITH A+ GRADE (CGPA 3.35) IV CYCLE BY NAAC



National Conference

**Innovative Reimagining of Language and Literature for
Industry 4.0**

Speakers 29 February 2024 9.15 a.m. - 3.15 p.m. @ MPH

REIMAGINING LANGUAGE AND LITERATURE TO FIT INDUSTRY 4.0 REQUIREMENTS

REV. Dr. Francis M. Peter, S.J

Province Advisor, Educational Resource & Research Centre,
Former Professor, XLRI School of Business, Jamshedpur.



**PEOPLE AND TECHNOLOGY IN INDUSTRY 4.0 :
CHANGING WORLD ORDER**

Mr. Peter Sahaya Raj

MD & CEO, INDYGENOUS FASHIONS, Chennai.



WRITING FOR THE NEW MEDIA

Mr. M.T. Saju

Author & Journalist, Thiruvananthapuram

Convenor

Dr. Alby Grace

Head, Department of English

Organising Secretaries

Ms. A. Judes Jalaja

Dr. Snow J. Sharmilla

Patron

Dr. Sr. Mary Gilda

Secretary

Chairperson

Dr. Sr. Sahayaselvi

Registration fees

Faculty: ₹ 350

Students: ₹ 250



9486202923/9488572309



english@holycrossngl.edi.in

Title of the programme : Innovative Reimagining of Language and Literature for Industry 4.0

Date :29-02-2024

Organized by : Department of English

Theme /Objective : Innovative Reimagining of Language and Literature for Industry 4.0

Resource Person : Rev. Dr. Francis M Peter S.J, Province Advisor, Educational Resource & Research Centre, Former Professor, XLRI School of Business, Jamshedpur. Mr. Peter Sahaya Raj, MD & CEO, INDYGENOUS FASHIONS, Chennai. Mr. M.T. Saju, Author & Journalist, Thiruvananthapuram

Outcome of the Activity : The participants got an opportunity to explore the transformative role of Language and Communication in the context of the technological era

No. of Beneficiaries : 252

Venue : Multipurpose Hall



TECHNICAL ADVANCEMENT IN BIO SCIENCES



DEPARTMENT OF ZOOLOGY
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL - 629 004, TAMIL NADU



International Conference (hybrid mode)
on
"Technical Advancement in Biosciences"

17th & 18th August 2023

Resource Persons



Dr. K. Marimuthu
Professor
Department of Environmental Science
Tezpur Central University, Assam
Topic: Fish Breeding Technology
Date: 17.08.2023



Dr. S. Ravichandran
Associate Professor
Govt. Arts and Science College
Nagercoil
Topic: Beneficial and Harmful Crustaceans:
Date: 17.08.2023



Dr. Nayeem Mullungal
Dept. of Biological and Environmental
Sciences
Qatar University, Qatar.
Topic: Marine Natural Products; Applications
as Antimicrobials
Date: 18.08.2023



Dr. S. Kalidass
Associate Professor
Department of Animal Science
Manonmanium Sundaranar University
Tirunelveli
Topic: Therapeutic bioactives from actinobacteria:
Date: 18.08.2023



Mr. Naga Murali Chalamalasetti
Volta Breems Ltd.
Ghana
Topic: Implementation of Bioscience Technology
to Increase productivity in Aquaculture.
Date: 18.08.2023

Organizing secretaries
Dr. J. Vinoliya Josephine Mary
Dr. S. Prakash Shoba

Venue : Multipurpose Hall

Date : 17/08/2023 and 18/08/2023
Venue : Multi-Purpose Hall, Holy Cross College
No. of Beneficiaries : 160

The International Conference on "Technical Advancement in Bio Sciences" commenced with a prayer led by I. M.Sc. Zoology students, followed by a welcome address by Dr. J. Vinoliya Josephine Mary. Dr. Sr. S. Sahaya Selvi, the Principal, conveyed her felicitations. Dr. Sr. M.R. Basil Rose delivered the keynote address, emphasizing the importance of preserving nature and the role of technical advancements in improving life on Earth. Conference proceedings were released by Dr. Sr. Sahaya Selvi, and Dr. Basil Rose received the same. Dr. Prakash Shoba expressed gratitude in the concluding vote of thanks.

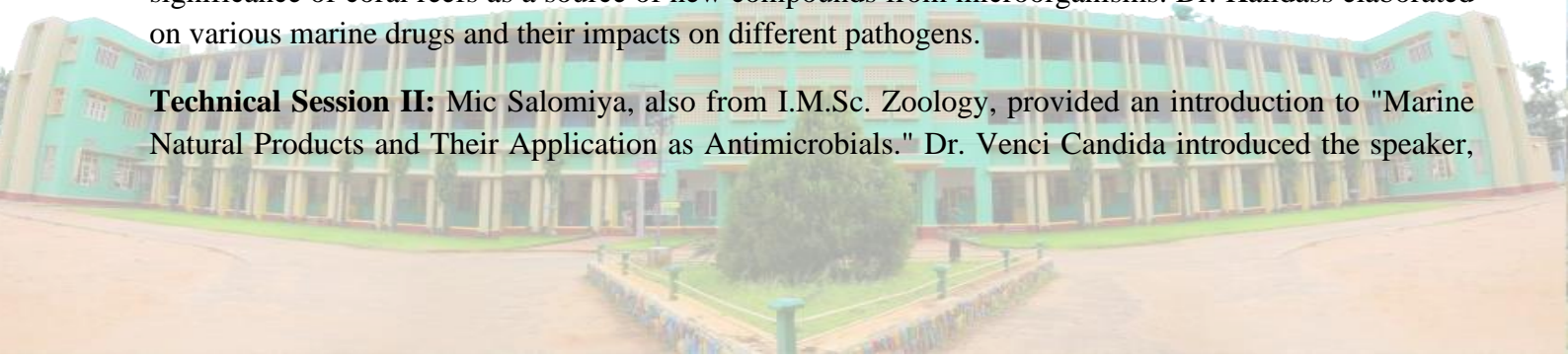
Technical Session I- The session started with Mic Salomiya of I. M. Sc. Zoology giving an introduction to the topic, and Dr. Shyla Suganthi introduced the resource person, Dr. Marimuthu. The topic was "Fish Breeding Technology." Dr. Marimuthu discussed air-breathing fishes, such as the snakehead fish (*Channa striatus*), highlighting their significance in wound healing and their ability to survive out of water. The lack of culture of channa species in India was addressed, along with the breeding procedures. The embryonic stage of the snakehead fish was detailed, providing insight into its culture. The session ended with a vote of thanks by Dr. Priyadharshini.

Technical Session II- Agnel of II M.Sc. Zoology provided a brief introduction to beneficial and harmful crustaceans, and Dr. A. Punitha welcomed the audience. The topic was "Beneficial and harmful Crustaceans," with Dr. S. Ravichandran as the resource person. The session covered the unique roles of crustaceans in the ecosystem, their amino acid content, and their bioturbation process, which aids in digestion of microplastics. The session also focused on the extraction of Chitin/chitosan from crustaceans, their distribution in Indian waters, and their significance in aquaculture. Dr. Ravichandran concluded by highlighting the importance of conserving and protecting crustaceans. The session concluded with a vote of thanks by Dr. Mettilda. The paper presentation session started at 2.00pm. Dr. S. Mettilda and Dr. S. Ravichandran, chaired the first session. Dr. X. Venci Candida and Dr. C. Anitha chaired the second session.

On August 18, 2022, Dr. A. Punitha and Dr. Josephine Priyatharshini chaired the third session of the conference, during which 21 participants presented their research findings.

Technical Session I: Ansa Mary from I.M.Sc. Zoology introduced the topic "Therapeutic Bioactives from Actinobacteria." Dr. C. Anitha introduced the speaker, Dr. S. Kalidass, who began with an overview of bio prospecting, focusing on Blue Biotechnology and its applications in drug discovery, including research related to Alzheimer's, anticancer, and antifungal treatments. He emphasized the significance of coral reefs as a source of new compounds from microorganisms. Dr. Kalidass elaborated on various marine drugs and their impacts on different pathogens.

Technical Session II: Mic Salomiya, also from I.M.Sc. Zoology, provided an introduction to "Marine Natural Products and Their Application as Antimicrobials." Dr. Venci Candida introduced the speaker,



Dr. Nayeem Mullungal, who discussed marine products, especially seagrasses in the Arabian Gulf waters. The focus was on nanotechnology and nanoparticles, their synthesis from seagrasses, and their applications as antibacterial, antifungal, anti-cancer agents, and drug carriers. The extraction process, methodology, and results were detailed, highlighting the antimicrobial properties of seagrass.

Technical Session III: Agnel from II. M.Sc. Zoology introduced the session, while Dr. Brisca Renuga welcomed the gathering and introduced the resource person, Mr. Naga Murali Chalamalasetti. The session revolved around aquaculture and bio floc technology. It covered fish tank construction, bio floc tank production, and the eco-friendly advantages of bio floc technology in enhancing the growth of aquatic organisms.

The valedictory function took place at 2:30 pm, with Dr. Vinoliya offering a welcoming address and Dr. Sr. Leema Rose delivering the valedictory speech. Certificates were distributed to the participants, and the event concluded with a vote of thanks expressed by Dr. Prakash Shoba, followed by the national anthem performed by the students of II. M. Sc. Zoology.



International Conference, Nagercoil, Tamil Nadu, Aug 17, 2023, 10:26



ENGLISH LANGUAGE PROFESSIONALS IN THE DIGITAL WORLD



Holy Cross College (Autonomous)
Nagercoil- 629004, Tamil Nadu
Affiliated To Manonmanium Sundaranar
University, Tirunelveli
Accredited with A+ Grade (CGPA 3.35) IV Cycle by NAAC

PG & Research Department of English
The English Club
Organizes

Dr. Mary Josheela's Endowment Lecture
ON
ENGLISH LANGUAGE PROFESSIONALS IN THE
DIGITAL WORLD
BY



ON
16/10/2023

TIME
2:00 - 3:00 PM

VENUE
SEMINAR HALL

Mr. R. Vasanth Kumar
Founder & CEO -Brand Mindz

Organizers
Dr. Selva Mary Gokila George
Ms. K.B. Steffi

Secretary: Dr. Sr. Mary Hilda
Principal: Dr. Sr. Sahayaselvi
HOD: Dr. Alby Grace



NAAC V Cycle Self Study Report (SSR)

Title of the programme	: English Language Professionals in the Digital World
Date	: 16-10-2023
Organized by	: The English Club
Theme /Objective	: To enable the learners understand the complexities of language in the digital world
Resource Person	: Mr. Vasanth Kumar, Founder and CEO, Brandz Mindz
Outcome of the Activity	: The seminar fostered a deeper understanding of the intersection between industry and language for innovation and competitiveness in the digital world
No. of Beneficiaries	: 250
Venue	: Seminar Hall



THE IMPACT OF INDUSTRY 4.0 ON INNOVATIVE CONTENT DEVELOPMENT



Holy Cross College (Autonomous), Nagercoil

Accredited with "A+" Grade (IV Cycle - CGPA 3.35) by NAAC
(Affiliated to Mannamuniam Sundaranal University, Tirunelveli)

PG & Research Department of English
in collaboration with IIC
Organizes a talk on

The Impact of Industry 4.0 on Innovative Content Development

Venue: Seminar Hall
Date: 21.09.2023
Time: 1:00 p.m. - 03:30 p.m.



Resource Person:
Mr. Rtn. Bristo D.,
Founder, MYRIAD Group of Companies

Patron: Dr. Sr. M. Mary Gilda, Secretary
Chairperson: Dr. Sr. S. Sahaya Selvi, Principal & President of IIC
Convenor: Dr. Alby Grace, Head of the Department
Organising Secretaries: Ms. A. Judes Jalaja
Dr. Snow J. Sharmilla

NAAC V Cycle Self Study Report (SSR)

Title of the programme	: The Impact of Industry 4.0 on Innovative Content Development
Date	: 21-09-2023
Organized by	: Department of English in collaboration with IIC
Theme /Objective	: To make the students understand the nuances of Industry 4.0 on innovative writing
Resource Person	: Mr. Rtn. Bristo D, Founder, MYRIAD Group of Companies
Outcome of the Activity	: The students understood the importance of content writing and the role of language in Industry 4.0
No. of Beneficiaries	:250
Venue	: Seminar Hall



EDUCATION AND AI: THE TRANSITION



Holy Cross College (Autonomous)
Affiliated to Manonmaniam Sundaranar University Tiruchcheli
Accredited with A+ Grade (CGPA 3.35) by NAAC (IV cycle)
Nagercoil, Kanyakumari, Tamil Nadu, India.

PG and Research Department of English
THE ENGLISH CLUB
Organizes

MRS. PHILOMMINAMMAL'S ENDOWMENT LECTURE

ON
EDUCATION AND AI: THE TRANSITION
BY

MR. S. JEROME
RESEARCH SCHOLAR
DEPARTMENT OF ENGLISH
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL

Chair Person: Dr. Sr. Sahayaselvi, Principal

Patron: Dr. Sr. Mary Gilda, Secretary

Organizers
Dr. Selva Mary Gokila S. George
Ms. Amlin Beatrice J. S

Venue: Seminar Hall
Date: 08-09-2023
Time: 2 pm to 3: 15 pm



NAAC V Cycle Self Study Report (SSR)

Title of the programme	: Education and AI: The Transition
Date	: 08-09-2023
Organized by	: The English Club
Theme /Objective	: To understand the transformation in the field of education
Resource Person	: Mr. S. Jerome, Research Scholar, Holy Cross College, Nagercoil
Outcome of the Activity	: The students were oriented on the role of AI in the current educational scenario.
No. of Beneficiaries	:250



CONTEMPORARY TECHNOLOGICAL AND INDUSTRIAL REVOLUTION 5.0

HOLY CROSS COLLEGE (AUTONOMOUS)



Affiliated to Manonmaniam Sundaranar University
Accredited with A+ Grade (CGPA- 3.35) by NAAC (IV Cycle)
An ISO 9001: 2015 certified institution
Nagercoil -629004, Tamil Nadu



PG & RESEARCH DEPARTMENT OF ECONOMICS
Holy Cross College (Autonomous), Nagercoil

PG & RESEARCH DEPARTMENT OF ECONOMICS

Organises International Conference on

**CONTEMPORARY TECHNOLOGICAL AND INDUSTRIAL
REVOLUTION 5.0**

Date
05-03-2024



Time
9:30 A.M

Resource Persons



Dr. Jebamalai Vinnachiarachi

Principal Advisor,
Knowledge Management Associates,
Former Principal Advisor to the Director
General of UNIDO, Vienna, Austria



Dr. D.G.M Victoria

Assistant Professor
Department of Economics
S.T Hindu College, Nagercoil



Dr. J.V. Arun

Assistant Professor
Department of Economics
Government Arts College for Men (A)
Nandanam, Chennai

Topics

The New Era of Creative Destruction
and the New Industrial Revolution

Principal Advisor,
Knowledge Management Associates,
Former Principal Advisor to the Director
General of UNIDO, Vienna, Austria

Industrial Revolution

Exploring Industry 5.0:
Transformative Technologies for
India's Economic Growth

Venue

St. Joseph's Hall



About the Department

Holy Cross College (Autonomous), Nagercoil is a Catholic College established and administered by the Congregation of the Sisters of the Cross of Chavanod. Holy Cross College, the first Women's College in Kanyakumari District was inaugurated on 2nd August 1965. The college stands for total liberation and development of the whole person of the students in order to prepare them to take their rightful place and responsibility in the society. It offers 15 U.G., 12 P.G., 1 M.Phil., and 9 Ph.D. programmes. It also offers many skills based, career oriented certificate and value added courses.

About the Department

The Department of Economics is as old as the college itself. Having emerged as an undergraduate Department in 1967, developed as a PG department in 2003, it has now attained the status of a Research Centre. The department has produced many university rank holders in the past decades. The inter disciplinary PG course Business Economics (Self financed) was started in 2003. From 2016 it has been changed to MA Economics. The department provides opportunities to tap the talents and skills of our students. It promotes entrepreneurial awareness and nurtures social responsibility.

About the Seminar

The National seminar focuses on "Digitalization in India". The digital eco Industry 5.0 represents the evolution of manufacturing, placing a significant emphasis on human collaboration alongside advanced technologies. It emerges as a response to the challenges and opportunities presented by the fourth industrial revolution (Industry 4.0), where automation and digitization took center stage. While Industry 4.0 revolutionized production processes through interconnected machines and data exchange, Industry 5.0 seeks to reintegrate human expertise and creativity into manufacturing systems. Industry 5.0 envisions a symbiotic relationship between humans and machines, leveraging the strengths of both to drive innovation, efficiency, and sustainability. Unlike its predecessors, which often focused solely on optimizing processes through automation, Industry 5.0 acknowledges the irreplaceable role of human intellect, intuition, and empathy in problem-solving and decision-making. One of the key principles of Industry 5.0 is the concept of "co-botting" or collaborative robotics. Instead of displacing human workers, robots in Industry 5.0 are designed to work alongside humans, augmenting their capabilities and enhancing overall productivity. These collaborative robots, or cobots, are equipped with advanced sensors and artificial intelligence algorithms that enable them to interact safely and intelligently with human counterparts. By handling repetitive or dangerous tasks, cobots free up human workers to focus on more complex and creative aspects of their jobs. One of the key principles of Industry 5.0 is the concept of "co-botting" or collaborative robotics. Instead of displacing human workers, robots in Industry 5.0 are designed to work alongside humans, augmenting their capabilities and enhancing overall productivity. These collaborative robots, or cobots, are equipped with advanced sensors and artificial intelligence algorithms that enable them to interact safely and intelligently with human counterparts. By handling repetitive or dangerous tasks, cobots free up human workers to focus on more complex and creative aspects of their jobs. After the era of digital transformation, the industrial system is now facing a new challenge: the integration of human creativity and craftsmanship with the advanced capabilities of technology and automation. This new paradigm, referred to as Industry 5.0, is shaping the future of companies that want to combine environmental sustainability with digital innovation. After the era of digital transformation, the industrial system is now facing a new challenge: the integration of human creativity and craftsmanship with the advanced capabilities of technology and automation. This new paradigm, referred to as Industry 5.0, is shaping the future of companies that want to combine environmental sustainability with digital innovation. In this context of industrial evolution towards Industry 5.0, new opportunities are opening up for companies that want to combine technological innovation with environmental sustainability. To support this vision, Maps Group offers software solutions that maximize energy efficiency by promoting the transition to renewable energy sources.

Patron

Dr. Sr. Mary Hilda, Secretary

Chairperson

Dr. Sr. Sahayaselvi, Principal

Convenor

Dr. S. Jeni Sanjana
Head of the Department

Organizing Secretaries

Dr. J.M. Vinitha Charles

Ms. J. Josephine Shiny

Assistant Professors
Department of Economics

Organizing Team

Dr. A. Sameema

Dr. S. Vimal Dolli

Dr. S. Panimaya Mercy

Dr. A. Babila Kingsly

Assistant Professors
Department of Economics

Registration Fees

Students	:	Rs. 250/-
Scholars	:	Rs. 275/-
Faculty	:	Rs. 300/-

Contact Us



9843933626
9080235148



economics@holycrossngl.edu.in

Date : 05-03-2024
Time : 9.00 am to 3.00 pm
Theme / Objective : To impart knowledge on industrial revolution, technological advancement and innovation in the industrial sector. India
No of Beneficiaries : 85
Venue : St. Joseph's Hall, Holy Cross College (Autonomous), Nagercoil

One day International conference on “Contemporary Technological and Industrial Revolution 5.0” was organized by the department of Economics, Holy Cross College (Autonomous), Nagercoil.

International Conference on **Contemporary Technological and Industrial Revolution 5.0**

P.G and Research Department of Economics, Holy Cross College, Nagercoil organized a one day International seminar “**Contemporary Technological and Industrial Revolution 5.0**” on 5th March 2024 in the St. Joseph's Hall. The Inaugural session began with the Prayer Song. Dr. S. Jeni Sanjana, Assistant professor P.G and Research Department of Economics delivered the welcome address.





The keynote address was given by Dr. D. G. M. Victoria, Assistant Professor of Economics, S.T. Hindu College, Nagercoil. Dr. Jebamalai Vinnanchiarachi, Principal Advisor, Knowledge Managerial Associates, Former Principal Advisor to the Director General of UNIDO, Vienna, Austria was the resource person. He gave a talk on “The New Era of Creative Destruction and the New Industrial Revolution”. He explained the real situation with the past experiences in the industrial sector. He also highlighted the different types of innovation and the technology advancement with innovation. Dr. J.M. Vinitha Charles, Assistant Professor, Holy Cross College, (Autonomous), Nagercoil proposed the vote of thanks. The event was arranged by the organizing secretaries: Dr. J. M. Vinitha Charles and Mrs. J. Josephine Shiny, Assistant Professors of Economics, Holy cross College (Autonomous) Nagercoil. and Convener Dr. S. Jeni Sanjana, Head of the Department, Holy Cross College, (Autonomous) Nagercoil.



The Technical Session – I was handled by Dr. J. V. Arun, Assistant Professor of Economics, Government Arts College for Men, Nandhanam, Chennai on the topic “ Exploring Industry 5.0: Transformative Technologies for India’s Economic Growth” Dr. S. Panimaya Mercy welcomed the resource person and Dr. A. Sameema proposed the vote of thanks. The seminar came to an end with the National Anthem.

The total number of participants - 85.



INDUSTRY 4.0 DIGITAL BANKING REVOLUTION IN INDIA



Department of Commerce
Holy Cross College(Autonomous), Nagercoil
Affiliated to M.S. University, Tirunelveli.
Accredited with A+ Grade (CGPA 3.35) by NAAC - 4th Cycle

Commerce Club
Organises a session
on

"INDUSTRY 4.0: DIGITAL BANKING REVOLUTION IN INDIA"

Resource Person
Dr. V. Sundar
Professor
Department of Commerce,
Annamalai University,
Annamalainagar - 608 002

Date: 29th January 2024 @ 11.30 a.m
Venue: Sr. Emilie Seminar Hall

Patron Dr. Sr. M. Mary Gilda Secretary	Chair Person Dr. Sr. S. Sahayaselvi Principal
Organising Secretaries Dr. S. Mary Pearly Sumathi, HoD Dr. C. Braba	Organising Committee Dr. G. Hesil Jerda Dr. G. Sahaya Shiny

Industry 4.0



On January 29, 2024 Dr. V. Sundar, a Professor from the Department of Commerce at Annamalai University, Annamalai Nagar, delivered a compelling analysis on the Digital Banking Revolution in India during the Industry 4.0. With 192 participants in attendance, Dr. Sundar elucidated on the transformative impact of digitalization in the banking sector, highlighting the evolving landscape of financial services, enhanced customer experiences, and the imperative for banks to adapt to technological advancements to remain competitive in the digital age.



CAREER OPPORTUNITIES FOR COMMERCE GRADUATES IN THE ERA OF INDUSTRY 5.0

TECHNICAL SESSION - II
01.45 p.m. to 03.00 p.m.
TOPIC: Opportunities & Challenges for Commerce graduates in the era of Industry 5.0
Venue Address: Ms. VK, Malu Krishna, I B.Cm
Resource Person: Dr. K. Balaji
Associate Professor & Chair Person
Department of Commerce and Management
Amrita Mysuru Campus.
Vote of Thanks : Ms. G. Evelyn Javita, I B.Cm

VALEDICTORY SESSION
03.00 p.m. to 3.15 p.m.
Venue Address: Dr. G. Sahaya Shiny
Assistant Professor
Valedictory Address & Distribution of Certificates : Dr. J. Vessia Josephine Mary
Coordinator (Examinations)
Holy Cross College (Autonomous)
Nagercoil
Vote of Thanks : Dr. G. Heail Jerde
Assistant Professor
National Anthem

ORGANISING COMMITTEE
Patron : Dr. (Sr.) M. Mary Gilda
Secretary Holy Cross College,
(Autonomous), Nagercoil
Chair Person : Dr. (Sr.) S. Sahayasahel
Principal, Holy Cross College,
(Autonomous), Nagercoil

Convener : Dr. S. Mary Pearly Sumathi
Head of the Department of
Commerce
Opening Dignities: Dr. G. Heail Jerde
Dr. G. Sahaya Shiny
Dr. C. Braha
Event Secretaries: Ms. M. Meega (I B.Cm)
Ms. G. Evelyn Javita (I B.Cm)
Master of Ceremony: Ms. Haribona (II B.Cm)
Ms. S. Jeyana (II B.Cm)
Confirm your participation on or before
13th March 2024.
Lunch & Refreshment will be provided
No T.A & D.A will be given to the participants.
Registration Fee Rs. 300/-
For Further Details Contact:
Dr. G. Heail Jerde - 99403 02642
Dr. G. Sahaya Shiny - 87541 02001
Venue : Multipurpose Hall
Holy Cross College (Autonomous),
Nagercoil.
The best way to predict the future is to create it.
- Abraham Lincoln

HOLY CROSS COLLEGE (AUTONOMOUS)
Nagercoil-624 064, Kanyakumari District, Tamil Nadu
Re-accredited by NAAC with 'A' Grade (CGPA 3.30)
International Seminar
on
Career opportunities for Commerce
Graduates
in the era of Industry 5.0
15th March, 2024
Organized by
Research Department of Commerce
HOLY CROSS COLLEGE (AUTONOMOUS)
Nagercoil-624 064, Kanyakumari Dist., Tamil Nadu.
Re-accredited by NAAC with 'A' Grade (CGPA 3.30)
In Collaboration with
Department of Commerce &
Management
Amrita School of Arts, Humanities & Commerce
Mysuru.

On March 15, 2024, the Department of Commerce (Aided) in Nagercoil collaborated with Amirtha School of Arts, Humanities & Commerce in Mysuru for a one-day International seminar on 'Career Opportunities for Commerce Graduates in Industry 5.0' featured Dr. Nishad Nawaz from Kingdom University, Bahrain, as the resource person, and discussions were led by Dr. Samuel J. from Loyola College, Chennai, and Dr. K. Balaji from Amirta Mysuru. Dr. Nawaz provided insights into the evolving landscape of Industry 5.0 and the plethora of career avenues it presents for commerce graduates, emphasizing the fusion of technological innovation with traditional commerce skills. Dr. Samuel and Dr. Balaji further enriched the discussion by sharing practical strategies and examples for students to capitalize on emerging opportunities in this dynamic era, fostering a holistic understanding of the intersection between commerce education and Industry 5.0 demands



INTERNATIONAL SEMINAR ON IMPACT OF ARTIFICIAL INTELLIGENCE ON THE FUTURE OF STUDENTS

<p>VALEDICTORY : 2:45 p.m - 3:15 p.m</p> <p>Welcome Address : Dr. A. Lucas Assistant Professor In Commerce Nanjil Catholic College of Art and Science</p> <p>Vote of Thanks : Dr. S. Jameela Assistant Professor In Commerce (SF-I)</p> <p>ORGANISING COMMITTEE</p> <p>CONFERENCE CHAIR : REV. DOREE MARY GILDA SECRETARY HOLY CROSS COLLEGE (AUTONOMOUS) REV. DG (R) SAHAYASELVI PRINCIPAL</p> <p>CONVENER : DR. R. EVALIN LATHA HEAD OF ASSISTANT PROFESSOR HOLY CROSS COLLEGE (AUTONOMOUS) DR. E. SAHAYA UGIN MARY HEAD OF ASSISTANT PROFESSOR NANJIL CATHOLIC COLLEGE OF ART AND SCIENCE KALIYAKKAVILAI.</p> <p>ORGANIZING SECRETARIES : DR. M. CHARLES DAYANA ASSISTANT PROFESSOR HOLY CROSS COLLEGE (AUTONOMOUS) DR. S. JAMEELA ASSISTANT PROFESSOR HOLY CROSS COLLEGE (AUTONOMOUS) DR. K. LUCAS ASSISTANT PROFESSOR NANJIL CATHOLIC COLLEGE OF ART AND SCIENCE KALIYAKKAVILAI. MISS. A. RASMI, II M.COM MISS. K.M. SHISHISHA, III B.COM SF-I</p> <p>ORGANIZING MEMBERS : DR. C.K. SUNITHA DR. R. SREEDEVI DR. THANGA VINUJA MS. BEJATCY</p>	<p>Registration : 10:00 am - 10:30 am</p> <p>Programme Inaugural Session : 10:30 am - 11:15 am Prayer Song Lighting of Kuthuvilakku</p> <p>Welcome Address : Dr. R. EVALIN LATHA HOD of Commerce (SF-I) Felicitation : Dr. Sr. S. SAHAYA SELVI Principal</p> <p>Inaugural Address : Mr. A. ARUL Senior Branch Manager Central Bank of India Roach Nagar Branch</p> <p>Vote of Thanks : Dr. E. SAHAYA UGIN MARY Head Of Assistant Professor Nanjil Catholic College of Art and Science Kaliyakkavilai.</p> <p>Tea break : 11:15 a.m - 11:30 a.m TECHNICAL SESSION - I (11:30 a.m - 1:00 p.m)</p> <p>Introductory talk Welcome Address : Miss. Subhiksha Joseph, II B.Com Resource Person : Mr. RAHAYA SACHIN Jordan Springs NEW Australia Vote of Thanks : Miss. G. Vimala, III B.Com Welcome Address : Miss. Noorul Hasna, II M.Com Resource Person : Mrs. D. BEULA JERA MALAR Shishya Public School Campus, Atak farm, Selaqui Post, Dehradun.</p> <p>Topic : Impact of Artificial Intelligence on the Future of Students</p> <p>Vote of Thanks : Miss. S. Jaslin, III B.Com Lunch Break : 1:00 pm - 2:00 pm Paper Presentation : 2:00 Ppm - 2:45 pm Chair Person : Dr. M. MARY HELEN STELLA Associate Professor of Commerce (Hd) Holy Cross College (Autonomous)</p>	 <p>HOLY CROSS COLLEGE (AUTONOMOUS) AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY ACCREDITED WITH A+ GRADE (CGPA 3.35) BY NAAC-IV CYCLE NAGERCOIL, TAMILNADU, INDIA.</p> <p>INTERNATIONAL SEMINAR ON IMPACT OF ARTIFICIAL INTELLIGENCE ON THE FUTURE OF STUDENTS</p>  <p>Date : 5th March, 2024</p> <p>Organised by Department of Commerce SF-I Holy Cross College (Autonomous) Nagercoil.</p> <p>In Collaboration with Department of Commerce Nanjil Catholic College of Arts and Science Kaliyakkavilai.</p>
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<p>About the College</p> <p>Holy Cross College is the first women's college in Kanyakumari District inaugurated on 2nd August 1965 and administered by the congregation of the sisters of the Cross of Chavand. It is affiliated to Manonmaniam Sundaranar University, Thiruvellur. It was conferred Autonomous status in 2007. The College has undergone 4 cycles of accreditation by National Assessment and Accreditation Council and it has A+ Grade with CGPA 3.35. The college Ranks 26th at National level and 12th at state level in the EW (Education World) India Autonomous College Ranking. The college has a student population of 2300 spread across 17 disciplines. The college has been instrumental in churning out thousands of truly educated women, not merely cultured and refined but truly disciplined and empowered. Thus, this college stands for the uplift of women by upholding the glorious motto of the college.</p> <p>About the Department</p> <p>The Department of Commerce (SF-I) was established as a UG Centre of Learning in 2007 and was upgraded to PG level in 2010 and pre doctoral in the year 2012. The department has vibrant faculty contributing to the quality education of the student community. To enhance the quality of education and development, the students are exposed to industrial visits, summer internship programmes and executive skill development programmes. The department feels proud that the students are dynamic, innovative, enterprising to serve the society in large.</p>	<p>About the Seminar</p> <p>Artificial Intelligence (AI) is rapidly evolving and has the potential to bring significant advancements to various industries. In the realm of education, AI holds great promise in transforming the learning experience for students. Artificial Intelligence holds tremendous potential to reshape education, making it more personalized, accessible, and effective. From adaptive learning paths to virtual reality experiences and predictive analytics, AI technologies can revolutionize the way students learn, grow, and succeed. By embracing AI in education, we can equip students with the necessary skills and knowledge to thrive in a future that increasingly relies on technological advancements.</p> <p>Date : 5th March, 2024 Venue : Multipurpose Hall, Holy Cross College (Autonomous) Nagercoil.</p> <p>Contact Detail: Email ID : charlesdayana@holycrossncl.edu.in jemilaphd@gmail.com Mobile. No : 9486549870/ 9842752001</p> <p style="text-align: center;">Seminar Registration Fees: Rs. 300/-</p>	<p>PAPER PRESENTATION</p> <p>Papers will be accepted for presenting only after satisfying the guidelines and plagiarism norms.</p> <p>SUB-THEMES</p> <p>Research papers of high caliber that explore, address and discuss current themes and concerns in the humanities and social sciences are invited.</p> <ul style="list-style-type: none"> • Artificial Intelligence • Behavioural Finance • Competitive Advantages in Banking • Contemporary Issues in Artificial Intelligence • Emergence of Markets in Changing Scenario • Entrepreneurship • Human Resource Management • Insurance • Investments • Marketing • Organizational Behaviour • Renewable Energy • Social Currency • Sustainable Development <p>PAPER SUBMISSION GUIDELINES</p> <ul style="list-style-type: none"> • The paper needs to be written in English using MS Word. • First page containing Title of the paper (60 font size), Author name, Designation and affiliation should be in 10 font size. Remaining paper in 11 font size. • The paper should be written in Times New Roman font style. • Referencing should be in APA style <p>Last date for the submission of the Abstract is on or before : 29.02.2024 Submission of full paper with PPT : 01.03.2024</p> <p>Soft copy of the Research paper should be submitted to E Mail id : charlesdayana@holycrossncl.edu.in jemilaphd@gmail.com</p>
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On 05/03/2024 department of commerce SF-1, organised an international seminar on “Impact of AI on the future of students” in collaborate with Department of commerce, Nanjil Catholic College of Arts and Science, Kaliyakkavilai. The seminar was organised in order to explore the AI technology potential to change traditional education models and create more personalized, inclusive, and adaptive learning experiences for students.

Technical section-I resource person Mr. Sahaya Sachin, Jordan springs NSW, Australia and technical section-II resource person Mrs. D. Beula Jeba Malar, Shishya Public school campus, Dehradum beautifully explained the most significant impacts of AI in education is its ability to provide individualized learning paths for students based on their unique needs, learning styles, and abilities.



EMERGENCE OF ARTIFICIAL INTELLIGENCE IN BUSINESS



Holy Cross College (Autonomous), Nagercoil
Affiliated to Manonmaniam Sundaranar University, Tirunelveli
Accredited with A+ Grade (CGPA 3.35) IV Cycle by NAAC



Department of Commerce SF II
in collaboration with Institution's Innovation Council
Organises a Seminar

*Emergence of Artificial Intelligence
in Business*

Resource Person

**Mrs. M.C. Sheeba, Assistant Professor,
St.Xavier's Catholic College of Engineering,
Chunkankadai**



Date:18-01-2024
Time:11am
Venue : Seminar Hall

Patron : Dr. Sr. M.Mary Hilda , Secretary
Chairperson : Dr. Sr. S. Sahayaselvi, Principal
Head of the Department : Dr. M. Gnana Muhila
Convenor : Dr. J.Jenifer
Organising Secretaries : Dr. J.Divya Merry Malar
Dr.J.Jani Mercybai
Dr.X.Maria Muthu Shanthini

Title of the Programme : Emergence of Artificial Intelligence in Business
Thrust Area (Innovation / IPR/ Entrepreneurship): Entrepreneurship
Date : 18-01-2024
Duration : 2 hours and 30 minutes
No. of Students Participants : 162
No. of Faculty Participants : 5
Expenditure amount, if any : 1,250/-
Objective : To sharing insights on how AI is currently being used in various industries and discussing potential applications relevant to business.

Benefit in terms of learning /Skill/ Knowledge obtained (Outcome): Skill

Overall report of the activity (One- page writeup)

The Department of Commerce (S.F -II) of Holy Cross College, Nagercoil, successfully organized the Seminar on “Emergence of Artificial Intelligence in Business” on 18th January 2024 at Seminar hall, Holy Cross College (Autonomous) Nagercoil. The resource person of the seminar was Ms.M.C. Sheeba, Assistant Professor, St.Xavier’s Catholic College of Engineering, Chunkankadai. The students gain a deeper understanding of the potential applications and benefits of AI in various aspects of business operations. The session began at 10: 00 a.m. to 12:30 p.m.



MARKETING IN THE MODERN ERA



Holy Cross College (Autonomous), Nagercoil
Accredited with A+ Grade (CGPA 3.35-IV Cycle) by NAAC,
Affiliated to Manonmaniam Sundaranar University, Tirunelveli.



Department of Commerce
SF II

Invites you

Seminar on

MARKETING IN THE MODERN ERA

Resource Person

Ms. S. Jasmine Suguna

Assistant Professor & Head

Department of Management Studies

St. Xavier's Catholic College of Engineering

Chunkankadai

Date	Time	Venue
20-03-2024	10:00a.m.	Multipurpose Hall

Organising Committee

Patron : Dr. Sr. Mary Hilda, Secretary

Chair Person : Dr. Sr. Sahayaselvi, Principal

Convener : Dr. M. Gnana Muhila,
Assistant Professor & Head

Organising Secretary : Dr. J. Jenifer, Assistant Professor

Committee Members

Dr. J. Divya Merry Malar, Assistant Professor

Dr. J. Jani Mercybai, Assistant Professor

Dr. X. Maria Muthu Shanthini, Assistant Professor

Ms. S.A. Aslin Nuha, President

Ms. S. Akshara, Secretary

Registration fee Rs. 300/- For further details contact 8754303647

Title of the Programme	: Marketing in the Modern Era
Thrust Area (Innovation / IPR/ Entrepreneurship):	Innovation
Date	:20-03-2024
Duration	: 4 hours
No.of Students Participants	: 170
No.of Faculty Participants:	16
No. of external participants, if any	: 09
Expenditure amount, if any	: 59000
Mode of session delivery (Online/Offline)	: Offline
Remark	: Good
Objective	: Fostering Future Marketers and Navigating the Digital Landscape and Innovations in Modern Marketing
Benefit in terms of learning /Skill/ Knowledge obtained (Outcome):	Skill

The Department of Commerce (S.F -II) of Holy Cross College, Nagercoil, successfully organized the Seminar on “Marketing in the Modern Era” on 20th March 2024 at Multipurpose Hall, Holy Cross College (Autonomous) Nagercoil. The resource person of the seminar was Ms. S. Jasmine Suguna, Assistant Professor, St. Xavier’s Catholic College of Engineering, Chunkankadai. The students procure a comprehensive understanding of the latest trends and innovations shaping modern marketing strategies and they feel inspired and equipped to embark on their own marketing endeavours with confidence and creativity in the digital era. The Session began at 10: 00 a.m. to 2 p.m.





Seminar on Marketing in The Modern Era
20.03.2024 13:07
8.15453, 77.41561
5C38+R68, Holy Cross College Rd, Thollavilai, Nagercoil, Tamil Nadu 629002



Seminar on Marketing in The Modern Era
20.03.2024 13:07
8.15452, 77.41562
5C38+R68, Holy Cross College Rd, Thollavilai, Nagercoil, Tamil Nadu 629002



A TALK ON HARNESSING AI: ALTER THE CHANGE BEYOND LIMITS



HOLY CROSS COLLEGE (Autonomous)

Nagercoil-629004

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

Accredited with A+ (CGPA 3.35-IV Cycle)

DEPARTMENT OF ENGLISH SF COFFEE HOUSE CLUB

ORGANIZES

A TALK ON

HARNESSING AI: ALTER THE CHANGE

BEYOND LIMITS

BY

P. ASMIN JANISHA

25.03.2024

MONDAY

TIME: 11:00 AM

VENUE: ENGLISH SF CLASSROOM

MS. M MARIA HELEN JANOBA
HEAD OF THE DEPARTMENT

ORGANISING SECRETARY
DR. TESSY.A.JOSEPH





SCOPUS RE- SEARCH



DEPARTMENT OF HISTORY
HOLY CROSS COLLEGE (Autonomous)

Affiliated to Manonmaniam Sundaranar University
Accredited with A⁺ Grade (CGPA- 3.35) by NAAC (IV Cycle)
Nagercoil – 629004, Tamil Nadu, India

We Cordially invite you

For

SCOPUS RE -SEARCH

RESOURCE PERSON



Ms. Benitta

M.Phil Scholar, Holy Cross College (Autonomous), Nagercoil

Patron: **Dr. Sr. Mary Hilda, Secretary**

Chairperson: **Dr. Sr. Sahaya Selvi, Principal**

Convenor: **Dr. I. Jalaja Kumari (HOD)**

DATE: 07-08-2023 @11.30 A.M

VENUE: ST. JOSEPH'S HALL

ORGANISING SECRETARY: Dr. K. Baby

ORGANIZING COMMITTEE MEMBERS:

Dr.S.Rgi, Dr.V.Pradeepa, Dr. K. S. Soumya, Dr.C.R.Sivala, Dr.R.Suiji & Dr.S.Mary Judit

The Programme Scopus Re- search started with Prayer song at 11.30 a. m in St. Joseph's Hall on 07.08.2023. Dr. I. Jalaja Kumari, Head of the Department welcoming the gathering.

Resource Person Ms. Benitta, M.Phil Scholar, Department of English, Holy Cross College (Autonomous), Nagercoil gave an A to Z steps to search Scopus Website and Frame an article for Scopus. Siva Jothi I MA History delivered the vote of thanks and the programme was windup around 1.00 p.m. The students got an idea to search Scopus Website and publish article in Scopus journal. Organiser is Dr. K.

Baby, Assistant Professor of History, Holy Cross College, Nagercoil organizes this event. The total numbers of beneficiaries are 36.



BASICS OF EXCEL



Department of Zoology

Holy Cross College (Autonomous)

Nagercoil – 629 004, Tamil Nadu

Affiliated to Manonmaniam Sundaranar University

Accredited with 'A' Grade By NAAC (CGPA 3.35), IV Cycle

Value Added Course- Basics of Excel 2023-2024



Class: I PG

**Venue: PG Main Lab &
online**

**Date: 13th, 14th, 16th, 20th & 21st
October**

Convenor: Dr. A.Shyla Suganthi

**Course Coordinators: Dr. F. Brisca Renuga
: Dr. X. Venci Candida**

M .Sc. Zoology

Semester 1

Value-added Course : **BASICS OF EXCEL**

Course Code: ZP231V01

Prerequisite:

Basic computer literacy and familiarity with navigating computer applications.

Objectives:

To equip the students to present data using Excel's various features and printing options.

COs	On completion of this course, students will be able to:	KL
CO 1	recall the components of Excel's interface and basic cell formatting.	K1
CO 2	summarize the significance of relative, absolute, and mixed cell references in formulas.	K2
CO 3	apply data entry techniques and utilize basic calculations and formulas.	K3
CO 4	analyze different chart types to determine their suitability for presenting specific types of data.	K3
CO 5	evaluate the effectiveness of using functions and charts to ensure clarity and effective visualization.	K5
CO 6	design and create various types of charts (bar, column, pie) based on specific data sets.	K6

Unit	Topic	Hours
Unit 1	Excel Essentials and Interface: Introduction to Excel's - Excel interface, workbooks, and sheets – selection of cells, rows, and columns - basic cell formatting: font, alignment, and fill.	6
Unit II	Data Entry, Formulas, and Functions: Data entry techniques and AutoFill - Introduction to formulas and basic calculations - Using SUM, AVERAGE, COUNT, and other functions - cell references: relative, absolute, and mixed.	6
Unit III	Data Management and Analysis: Sorting and filtering data using find and replace to manipulate data – Data analysis using excel (t test, Regression,	6

	Correlation, ANOVA), data validation for data integrity.	
Unit IV	Charts and visualization: Creating different chart types: bar, column, and pie charts - formatting and enhancing charts for clarity - Adding labels, titles, and legends to charts.	6
Unit V	Printing, Sharing, and Review: Setting up print options and page layout - printing worksheets and workbooks - sharing workbooks via email and cloud storage - review of key concepts and practical exercises.	6

Reference books:

1. Kabir Das. 2021. Microsoft Excel: Short keys and formulas. Notion Press, India.
2. Manneet Singh Mehta. 2021. Microsoft Excel Professionals. 2021 guide. BPB Publications, India.
3. Lokesh Lalwani. 2019. Excel 2019 – All in one. 1stEdn. BPB Publications, India.
4. John Walkaenbach. 2015. Microsoft Excel 2016 Bible – Comprehensive tutorial resource. John Wiley and Sons, Indiana.





Holy cross College
Value Added Course On Excel
16.10.2023 09:50

LINKEDIN TRAINING



Linkdin Training
Nan- Muthalvan Scheme
06.03.2024 10:02
8.155, 77.41592
5C38+R68, Holy Cross College Rd, Thollavilai, Nagercoil 629002





LinkedIn Training (I PG)
Nan Muthalvan Scheme
06.03.2024 10:14
8.15496, 77.41595
5C38+R68, Holy Cross College Rd, Thollavilai, Nagercoil 629002

INTERNSHIP OPPORTUNITIES IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

 **Holy Cross College (Autonomous)**
Affiliated to Manonmaniam Sundaranar University
Accredited with A+ Grade (CGPA-3.35) by NAAC –IV Cycle
Nagercoil, Tamilnadu, India

 INSTITUTION'S
INNOVATION
COUNCIL
Ministry of HRD, Government of India

INTERNSHIP CELL OF INSTITUTION'S INNOVATION COUNCIL
organises

Orientation Session on *Internship Opportunities in Artificial Intelligence and Machine Learning*

Resource Person:
MR. G. CHRIST JOSE
Placement Officer
Holy Cross College(Autonomous)
Nagercoil – 4

Date: 19.12.2023
Time: 11 am – 1pm
Venue: Multipurpose Hall

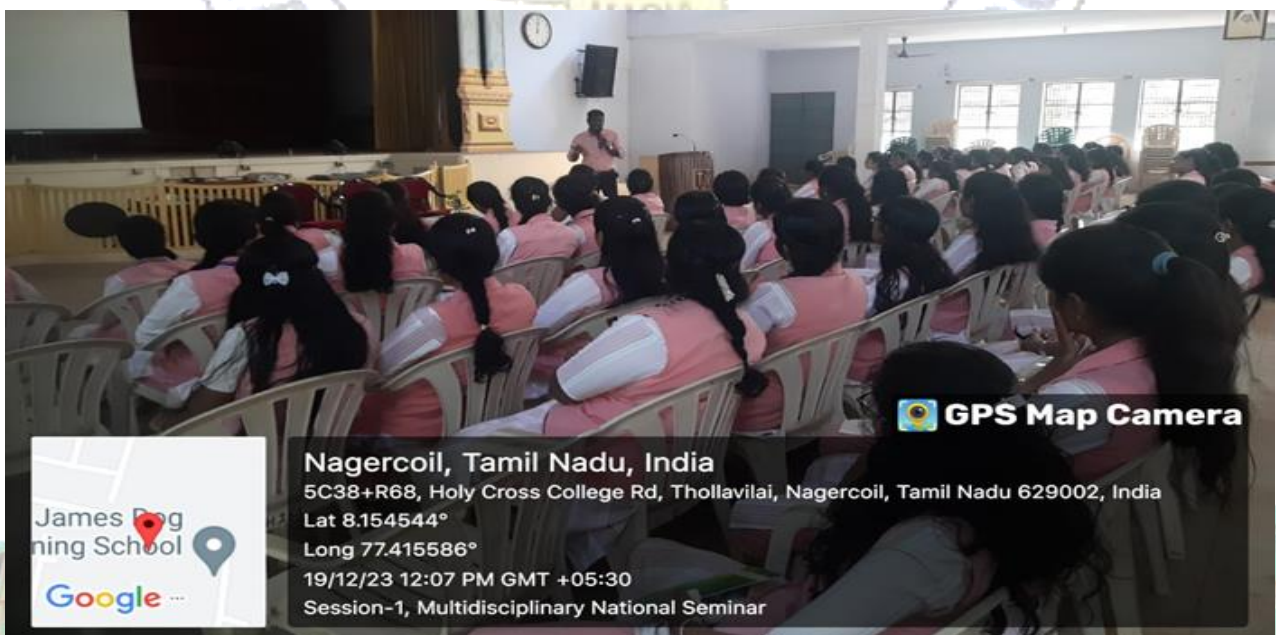
Secretary, President of HCIIC : Dr. Sr. Mary Hilda
Principal, President of IIC : Dr. Sr. Sahayaselvi
Convener of IIC : Dr. Sheeba Daniel
Nodal officer of Internship Cell : Dr. M. K. Angel Jebitha
Organising Coordinator: Dr. R. Sreedevi



The Internship Cell of Institution's Innovation Council (IIC) took a significant step towards providing valuable insights into the world of Artificial Intelligence and Machine Learning by organizing an orientation session on 19-12-2023. The event aimed to enlighten students about the plethora of internship opportunities available in these cutting-edge fields. The session was graced by Mr. Christ Jose, Placement Officer at Holy Cross College (Autonomous), Nagercoil, who served as the resource person for the day. The program commenced at 11:00 am with a soulful prayer song, setting a positive and focused atmosphere for the session.

Mr. Christ Jose, with his extensive experience in placement services, delivered an insightful talk on the internship opportunities available in the fields of Artificial Intelligence and Machine Learning. He provided valuable information on the current trends, industry demands, and skill sets required to excel in these domains. Mr. Christ Jose talk was not only informative but also inspiring, motivating students to explore and pursue internships in AI and ML.

Following the resource person's talk, a lively interactive session took place, allowing students to clarify their doubts and seek guidance. Mr. Christ Jose patiently answered the queries, providing valuable insights and practical advice to help students make informed decisions about their internship choices. The event concluded with a vote of thanks. The orientation session proved to be a resounding success, providing students with a roadmap to navigate the vast landscape of AI and ML internships. The event not only equipped students with knowledge but also inspired them to explore exciting opportunities in the ever-evolving domains of Artificial Intelligence and Machine Learning. Totally, 60 students and 4 faculty members were benefitted from the session. The session came to an end at 1:10 pm.



WORKSHOP ON PYTHON PROGRAMMING



HOLY CROSS COLLEGE (AUTONOMOUS) NAGERCOIL - 629004

Accredited with A+ Grade (CGPA 3.35 – 4th Cycle) by NAAC, Tamil Nadu

DEPARTMENT OF COMPUTER SCIENCE

Organizes a Workshop on

“Python Programming”

RESOURCE PERSON

Jeejo Vetharaj J

Freelancer

Date:25-07-2023 | Time:9 AM to 3:15 PM

Sr. S. Sahaya Selvi

Chair Person

Sr. Mary Hilda

Patron

J. Anto Hepzie Bai

Head of the Department

V. R.Bithiah Blessie

Organizing Secretary

Holy Cross College (Autonomous)

Affiliated to Manonmaniam Sundaranar University, Tirunelveli

Accredited with A+ Grade (CGPA-3.35 IV Cycle) by NAAC

Department of Computer Science

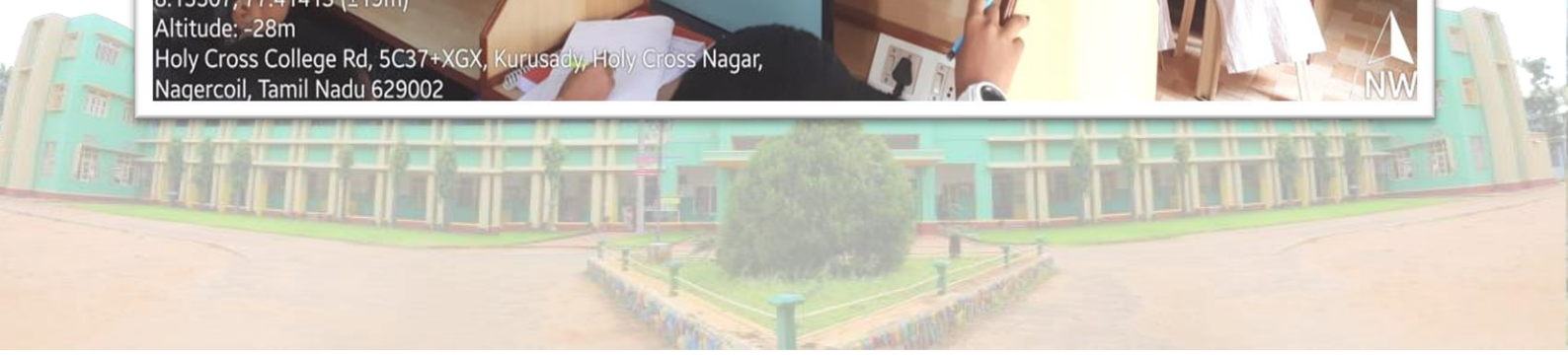
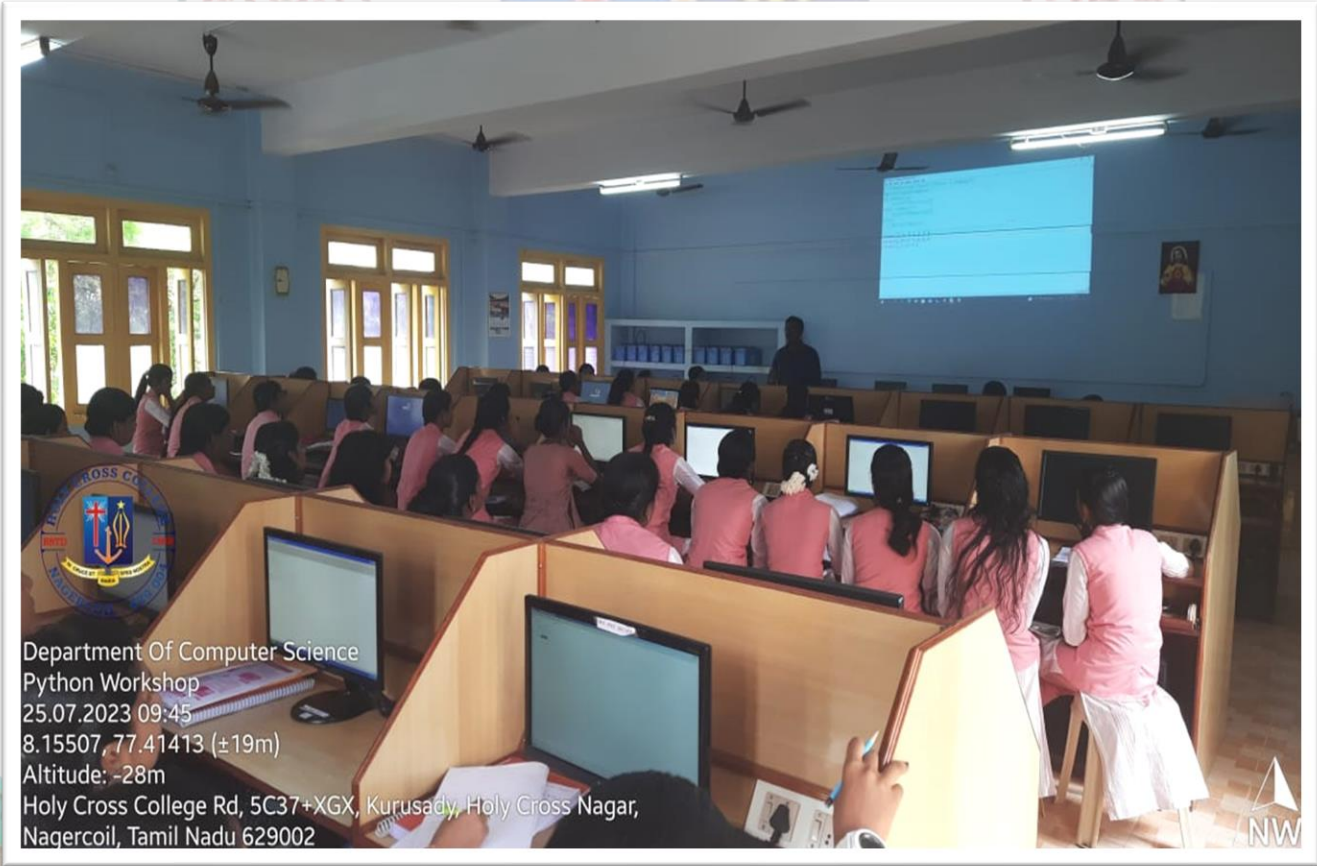
Report for the Workshop on Python Programming

The Workshop on Python Programming was organized by the Department of Computer Science on 25th July, 2023 at the Computer Science Lab. The resource person accompanied with us was Mr.J.Jeejo Vetharaj, Freelancer. The workshop started at 9 am. All the I B.Sc and M.Sc students of Computer Science took part in it. The main objective of the workshop is to learn the basics of Python programming. The students have gain more knowledge in Python programming and they understood the fundamentals of Python. This session was very useful for students. The workshop was organized by Mrs. Bithiah Blessie. The workshop ended at 3.15 p.m.



**HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL**





SEMINAR ON ETHICAL HACKING

HOLY CROSS COLLEGE, NAGERCOIL

AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY
ACCREDITED WITH A+ GRADE (CGPA 3.35) BY NAAC (IV CYCLE)
AN ISO 9001:2015 CERTIFIED INSTITUTION

Department of Computer Science

ORGANIZES
A SEMINAR ON

ETHICAL HACKING

09.30 AM

20 SEP 2023

VENUE : SEMINAR HALL



RESOURCE PERSON

Er. J. JENCEWIN,

ASSISTANT PROFESSOR,

**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING,**

ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING.

Patron : Dr. Sr. M. Mary Hilda,

Secretary

Chairperson : Dr. Sr. S. Sahayaselvi,

Principal

Convener : Mrs. J. Anto Hepzie Bai,

Head of the Department

ORGANIZING SECRETARY

**Dr. R. Reena Rose,
ASSISTANT PROFESSOR**

Holy Cross College (Autonomous)

Affiliated to Manonmaniam Sundaranar University, Tirunelveli
Accredited with A+ Grade (CGPA-3.35 IV Cycle) by NAAC

Department of Computer Science

Report for the Seminar on Ethical Hacking

A Seminar on Ethical Hacking was organized by the Department of Computer Science on 20th September 2023. The resource person accompanied with us was Er.J.Jencewin, Assistant Professor of St.Xavier's Catholic College of Engineering, Chunkankadai. The programme started at 9.30a.m with a prayer song. All the students of the Department of Computer Science took part in it. The main objective of the programme was to learn about Ethical Hacking. The main purpose of the programme was to help the students to understand the various techniques in the Ethical Hacking Industry and the types of hackers. The session was very useful for the students. The session was organized by Dr. R. Reena Rose.



HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL





SEMINAR ON TECHNICAL ARTICLES READING AND WRITING

HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL.
AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY
ACCREDITED WITH A+ GRADE (CGPA 3.35) BY NAAC (IV CYCLE)
AN ISO 9001:2015 CERTIFIED INSTITUTION



Department of Computer Science

ORGANIZES
A SEMINAR ON

TECHNICAL ARTICLES READING AND WRITING

**Dr. R. Amala Rose,
Head of the Department,
Department of Computer Science,
St. John's College of Arts and Science,
Ammandivilai.**



ORGANIZING SECRETARIES

Dr. R. Reena Rose & Dr. F. Fanax Femy,
Assistant Professors.

Patron : Dr. Sr. M. Mary Hilda,
Secretary.

Chairperson : Dr. Sr. S. Sahayaselvi,
Principal.

Convener : Mrs. J. Anto Hepzie Bai,
Head of the Department.

DATE : 19 - 12 - 2023

TIME : 10 TO 12 AM

Venue : Seminar Hall

Holy Cross College (Autonomous)

Affiliated to Manonmaniam Sundaranar University, Tirunelveli.
Accredited with A+ Grade (CGPA-3.35 IV Cycle) by NAAC

Department of Computer Science

Report for a seminar on “Technical Articles Reading and Writing”

The Department of Computer Science hosted a seminar titled "Technical Articles Reading and Writing" on December 19, 2023 featuring Dr. R. Amala Rose, Head of the Computer Science Department at St. John's College of Arts and Science, Ammandivilai, Nagercoil, as the resource person. Commencing at 10:00 am, the seminar aimed to equip students with skills for comprehending technical articles, crafting presentations, undertaking projects rooted in these articles, and publishing papers in technical journals. Approximately 66 students from the department benefited from the program, finding it highly beneficial. The seminar progressed smoothly, concluding at 12 pm, leaving students with a sense of immense value from the session. The seminar was organized by Dr. Reena Rose and Dr. Fanax Femy.



**HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL**





Holy Cross College
Seminar - Articles Reading And Writing
19.12.2023 11:31
8.1539, 77.41462
5C37+RQC, Holy Cross College Rd, Thollavilai, Nagercoil

NATIONAL SEMINAR ON DIGITAL TWIN TECHNOLOGIES

<p>Technical Session - I (10:30 - 11:30) Topic : Internet of Things Resource Person Mr. Subeesh N. R Software Engineer Speridian Technologies, Technopark Trivandrum.</p> <p>Technical Session - II (11:40 - 12:45) Topic : Artificial Intelligence Resource Person Ms. Reshma Sundar Software Engineer Speridian Technologies, Technopark Trivandrum.</p> <p>LUNCH: 12.45 - 1.30</p> <p>Quiz Competition : 1.30 - 3.00</p> <p>Valedictory Function : 3.00 pm</p> <p>PRIZE DISTRIBUTION Dr. Sr. Sahayaselvi Principal Holy Cross College</p>	<p>REGISTRATION FORM</p> <p>Name : Designation : Department : Institution : Mobile : E-mail : Signature of the HOD: Signature of the Principal : (Photocopies are allowed)</p> <p>CONTACT DETAILS Dr. S. Reena Rose & Dr. F. Fanax Femy Mobile No : 9443607939 9360472140</p> <p>Registration Fee : ₹ 200/-</p> <p>Organizing Committee Dr. F. Fanax Femy Dr. S. Immaculate Shyla Dr. R. Reena Rose Mrs. M. Monisha Mrs. C. Sherisha Mrs. S. Jones Kala Mrs. V. Jemila</p>	   <p>HOLY CROSS COLLEGE (AUTONOMOUS) Affiliated to Manonmaniam Sundaranar University, Tirunelveli Accredited with "A" Grade (CGPA-3.33 IV Cycle) by NAAC Nagercoil - 4, Tamil Nadu</p> <p>Department of Computer Science In Collaboration with INBOX Info Solutions Organizes NATIONAL SEMINAR ON DIGITAL TWIN TECHNOLOGIES</p>  <p><i>March 5, 2024</i></p>
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"Education is one thing no one can take away from you."
- Elin Nordegren

The College

Holy Cross College (Autonomous), Nagercoil is the first women's college in Kanyakumari District established on 2nd August 1965. The college was conferred Autonomous status in 2007 and had the 4th cycle of Accreditation in August 2019 by NAAC and rewarded "A+" grade with CGPA 3.35 scale.

The Department

The Department of Computer Science was established in the year 2008. The department is continuously organizing and participating in various workshops / seminars to enlighten the students and faculty members in the field of computer technology. The main objective of our department is to promote academic skills and social commitments.

Solient features of the Seminar

- Explore the components and architecture of IoT systems.
- Give an overview of various IoT devices and sensors.
- Give an insight into emerging trends and advancements in IoT.
- Explore different branches of AI, including ML, NLP, computer vision, etc.
- Explore AI applications across various industries (healthcare, finance etc.)

Quiz Competition (Protocol)

1. Preliminary round will be Conducted
2. Two members per team
3. Only Two teams are allowed from each Department
4. Candidates must bring their ID & Bonafide Certificate

PROGRAMME

Venue : Sr. Emilie Seminar Hall
Registration : 9.00 am
Inauguration : 9.30 am

Welcome Address

Mrs.J Anto Hepzie Bai
Assistant Professor & Head
Department of Computer Science
Holy Cross College(Autonomous)
Nagercoil

Inaugural Address

Dr.Sr.Mary Gilda
Secretary
Holy Cross College(Autonomous)
Nagercoil.

Felicitation

Dr.J.Vinoliya Josephine Mary
Controller of Examinations
Holy Cross College(Autonomous)
Nagercoil.

Vote of Thanks

Dr.F.Fanax Femy
Assistant Professor
Department of Computer Science
Holy Cross College(Autonomous)
Nagercoil.

Tea Break : 10.15 am

Holy Cross College (Autonomous)

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Department of Computer Science

Report for the National Seminar

On

Digital Twin Technologies

The Department of Computer Science in collaboration with INBOX Info Solutions organized a National Seminar on "Digital Twin Technologies" on 5th March 2024 at Sr. Emilie Seminar Hall. The programme commenced with a Prayer song. Our Head of the Department Mrs. J. Anto Hepzie Bai welcomed the gathering.

The inaugural address was given by our Secretary Dr. Sr. Mary Gilda. The Secretary emphasized the importance of embracing digital twin technology in today's rapidly evolving technological landscape. Felicitation was given by Dr. J. Vinoliya Josephine Mary, the Controller of Examinations. She extended her gratitude to the organizers, speakers, and participants for their contributions to the seminar. Dr. F. Fanax Femy delivered the vote of thanks for Inaugural Session.

The seminar featured enriching two technical sessions conducted by resource persons from Speridean Technologies, a leading organization in the field. Dr. R. Reena Rose, Assistant Professor, Department of Computer Science introduced the Resource Persons.

In the first Technical Session Mr. Subeesh, Software Engineer from Speridian Technologies, Technopark, Trivandrum shared his valuable insights, case studies, and practical experiences about Internet of Things. He also explained various job opportunities in the field of IoT.

In the Second Session Ms. Reshma Sundar Software Engineer from Speridian Technologies, Technopark, Trivandrum delivered a comprehensive presentation, captivating the audience with her profound knowledge and expertise. The resource person elaborated on the various branches of AI, including machine learning, neural networks, natural language processing, and robotics. Following the presentation, an interactive session was conducted, allowing participants to ask questions, seek clarifications, and share their perspectives on AI related topics.



In the afternoon, a quiz competition was conducted, engaging participants from the attending colleges. The competition tested their knowledge in current affairs and understanding of key concepts in the field. The enthusiastic participation and competitive spirit showcased the interest and commitment of the attendees towards learning and exploring new technologies. A total of 22 teams were registered and after the preliminary exam five teams were shortlisted.

Students from the Department of Commerce of Holy Cross College secured the First Prize. The second prize was won by the Department of Physics of Holy Cross College. The Third prize was won by Mahatma Gandhi College of Arts and Science, Sankarankovil. Students from various colleges participated in the National seminar. The seminar concluded with a valedictory session, wherein the Principal Dr. Sr. Sahaya Selvi awarded the winners of the quiz competition with mementos as a token of appreciation. Also she distributed certificates to the participants. Dr. S. Immaculate Shyla proposed vote of thanks in the Valedictory Session. The Master of Ceremony was hosted by Ms. Sophie Swetha from III B.Sc Computer Science.



HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE
HOLY CROSS COLLEGE (AUTONOMOUS)
NAGERCOIL.



