



INSTITUTION'S
INNOVATION
COUNCIL



NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS)

Re-Accredited by NAAC,
An ISO9001:2015 certified institution,
Affiliated to Bharathiar University
Pollachi-642001.

**DEPARTMENT OF
DATA ANALYTICS & AI&ML**
In Associate with
INSTITUTION'S INNOVATION COUNCIL.

Organizes
SEMINAR ON
**THE ROLE OF
ARTIFICIAL
INTELLIGENCE
AND
DATA SCIENCE IN
INNOVATIVE RESEARCH**

DATE: 12/01/2024
TIME: 10:30AM

**VENUE:
ABDUL KALAM
HALL**

CHIEF PATRON

Dr. R. MUTHUKUMURAN
PRINCIPAL
NALLAMUTHU GOUNDER
MAHALINGAM COLLEGE

ADVISORS

Dr. S. SARAVANA BABU
Dean- Academic

Dr. S. UMAPATHY
Dean- Research

SPEAKER-1

Dr. R. NANDHAKUMAR
Associate Professor
Dept. of Computer Science
NGM College

Pollachi

SPEAKER-2

Dr. C. DURGA DEVI
Associate Professor
Dept. of Information Technology
NGM College
Pollachi

PROGRAM ORGANIZERS

Dr. E. RAMADEVI
Associate Professor
Department of Data Analytics

Dr. S. NIRAIMATHI
Associate Professor
Dept. of AI&ML

PROGRAM CONVENORS

Dr. B. AZHAGUSUNDARI
Associate Professor
Dept. Of AI&ML

Ms. M. SIVAKAMI
Assistant Professor
Dept. Of Data Analytics



IIC Report

1. Academic year -----2023-2024

Program/ Activity Name- Seminar on The Role of Artificial Intelligence and Data Science in Innovation Research

2. Photograph Geo-tagged- 2 photos

3. Video of the event - 10 to 15 minutes

4. Program type ----- (Select any one below) others-----

1. Level -1 Expert Talk

8. Level -2- Demo day

2. Level -1 Exposure visit

9. Level -2- Bootcamp

3. Level -1 -Mentoring session

10. Level -3- Exhibition

4. Level -2- Conference

11. Level 4- Challenges

5. Level -2- Seminar

12. Level -4- Hackathon

6. Level -2 workshop

13. Level -4- Tech Fest

7. Level -2-Competition

5. Duration of the Activity-----5 Hrs----- (in Hours)

6. Start Date -----12.01.2023-----

End Date -----

7. Number of Students Participation-----118----- (Minimum 40 students)

8. Number of Faculty Participated-----2-----

9. Number of External Participants , if any -----2-----

10. Expenditure amount , if any -----

11.Any Remark-----

12.Mode of session delivery-----Offline -----

13. Objective of the Seminar

The objective of the seminar was focused on the influence of Data science and artificial intelligence in various aspects of society- from grocery shopping to commuting on public transport and everything that is evolving since the integration of data science and AI.

It also focused on innovation and automation at the expense of efficiency and productivity. The wide use of data science and AI programmes allows businesses to maintain a balance between them. Data science and AI applications have introduced a standardized process of completing business functions within less time and more efficiently. Moreover, it has sunk deep into the organization's roots by becoming an active part of decision-making, customer interaction, product innovation, market research, and marketing strategies.

It also focused on Artificial intelligence, a subset of data science that is often considered the proxy for the human brain, which uses intelligent and smart systems to offer business processes automation, efficiency, and productivity and the real-life AI applications like Chatbots, Voice assistance, Automated recommendations, Language translations, Image recognition etc.,

14. Benefit in terms of learning/skill/ Knowledge obtained

The Seminar inculcated the influence of Data science and artificial intelligence in various aspects, since the integration of data science and AI.

The seminar highlighted how Artificial intelligence (AI) is being increasingly integrated into scientific discovery to augment and accelerate research, helping scientists to generate hypotheses, design experiments, collect and interpret large datasets, and gain insights that might not have been possible using traditional scientific methods.

Seminar also laid foundation on how Generative AI methods are used to create designs, such as small-molecule drugs and proteins, by analysing diverse data modalities, including images and sequences. It can transform various sectors such as healthcare, pharmaceuticals, supply chains, and more. AI can also optimize supply chains in engineering, manufacturing, and services, resulting in cost savings. Additionally, it also threw light on how AI and Datascience serves as a new method of invention, reshaping the innovation process and the organization of research and development (R&D).

15. Over all report of the event

The Department of Computer Science with Artificial Intelligence & Machine Learning and the Department of Data Analytics jointly organized a Seminar with the Institutional Innovation Council of NGM College, Pollachi. The Seminar targeted the Research innovations going on in

the domain of Artificial Intelligence and DataScience and the ongoing Research Activities in the associated domain. The Resource Persons delivered the Seminar across two sessions and the titles were

Resource Person	Title	Session
Durgadevi C.R Assistant Professor Dept of Information Technology NGM College Pollachi	Role of AI & Data Science in Innovation	FN
R.Nandha Kumar Assistant Professor & Head Dept of Computer Science NGM College Pollachi	Role of AI & ML in Innovative Research	AN



S. Niraimathi
HOD
Dr.S.Niraimathi
Dr. S. NIRAIMATHI, M.C.A., M.Phil., Ph.D.,
Associate Professor & Head,
Department of Computer Science with AI & ML
N.G.M. College, Pollachi - 642 001.

E. Rama Devi
Dr. E. RAMA DEVI, MCA., M.Phil., Ph.D.,
Associate Professor & Head
Department of Computer Science
with Data Analytics
NGM College, Pollachi - 642 001.

R. Muthukumaran
Principal
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District