DEPARTMENT OF CSM

A HALF-YEARLY NEWSLETTER

AY: 2023-24	Jul-Dec	Vol. 1	Issue –I

ADITYA

Institute of Technology and Management

(An autonomous institution)

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ADITYA

Institute of Technology and Management

(An autonomous institution)

Department of CSM

Vision and Mission of the Institute

Vision

To evolve into a premier engineering institute in the country by continuously enhancing the range of our competencies, expanding the gamut of our activities and extending the frontiers of our operations.

Mission

Synergizing knowledge, technology and human resource, we impart the best quality education in Technology and Management. In the process, we make education more objective so that efficiency for employability increases on a continued basis.

Vision and Mission of the Department

Vision

To develop competent and socially responsible engineers in the domain of ArtificialIntelligence & Machine Learning, Data Science for noteworthy contributions to the society.

Mission

M1. To educate the students in fundamental principles of computing and develop the skills needed to solve practical problems using contemporary computer-based technologies.
M2. To provide State-of-the-art computing laboratory facilities to promote industry-institute interaction to enhance student's practical knowledge.
M3. To inculcate self-learning abilities, team spirit, and professional ethics among the students to serve society.

Chairman's Message



At AITAM, we are committed to excellence in everything we do. We strive to mould the students in balancing intellectual and practical skills to become leaders in all the fields of Technical know-how and Management. We have created the finest facilities for the students to make the most of their scholastic pursuits. We are closely aligned with the corporate world which ensures exchange of ideas and experiences that keep our curricula focused on current developments and challenges in the field of engineering. We are firmly committed to research and consulting activities to contribute to the development of the discipline of engineering. Our vitality lies in our spirit of innovation. Our strength lies in our pragmatic approach. Our success lies in our will to do.

Dr. K. Someswara Rao
CHAIRMAN

Secretary's Message



Aditya Institute of Technology and Management is founded to meet the increasing demand for competent engineering graduates. Within a short span of its inception, AITAM has grown to be a premier engineering college of its kind and has won laurels and kudos from the industry. The faculty and staff in AITAM are dedicated to providing first-class education that instills strong and potent basic knowledge for sound practice in science and engineering for the well-being of the society. The Institute offers curricula that nurtures creative thinking and prepares students for productive and rewarding careers. The Institute offers programmes that deepen learning experiences of our students and prepare them for successful careers as engineers.

Sri L.L. Naidu
SECRETARY

Director's Message



Engineering education at AITAM is indeed a rewarding intellectual experience. The Institute prepares the engineering professionals of tomorrow imbued with insight, imagination and ingenuity to flourish as successful engineers. Our programs are attuned to the needs of the changing times. The classrooms are ultra-modern; the library and labs are cutting-edge; and all the members of the faculty are workaholic professionals and masters in their fields. Not surprisingly, our students are recruited by such renowned organizations as HCL, Satyam, WIPRO, INFOSYS, TCS, Visual Soft, Innova-Solutions and InfoTech. The exceptional dedication of our students, faculty and staff, and our collaborations with Industry and other institutions ensure that the Institute is well-poised to create a unique niche in the horizons of engineering education.

Prof. V.V. Nageswara Rao
DIRECTOR

Principal's Message



It is only through knowledge that man attains immortality. Knowledge has to expand or grow to remain as knowledge. The road to excellence is toughest, roughest and steepest in the Universe. The world requires and honors only excellence. Available information has to be directed by wisdom and intelligence to create new knowledge. Promotion of creativity is the new role of education. It is only through creative thinking that the present and future problems can be addressed to find dynamic solutions. Technology should be used to help remove poverty from the world. In fact forty per cent of the world's poor are in India. Confidence leads to capacity. It is faith in oneself that produces miracles. Education at AITAM helps build character, strengthen the mind, expand the intellect and establish a culture of looking at problems in a new perspective. The student is put through rigorous training so that he can stand on his own feet after leaving the portals of the Institute.

Dr.A.S.Srinivasarao
PRINCIPAL

HOD's Message



The Department of **CSM** strongly committed to impart innovative and quality technical education with high standards. The field of Artificial Intelligence & Machine Learning is a diverse field which has a significant role in the development of cutting edge technology. The faculty of the department is committed to prepare our students by providing the expertise and proficiency in Artificial Intelligence and its related fields needed to thrive in modern society. ML has become a fundamental tool for augmenting the human knowledge, which is an essential part of creation, discovery and innovation. The main goal of the Department is to provide experimental learning opportunities such as hands-on training, project-based courses, research projects and internships which provide a solid foundation to work in interdisciplinary teams that invent the future. The curriculum at the Department of AI&ML at is meticulously planned and continuously updated in way to incorporate the various demands of the IT industry trends. An exposure to real world problems in this era of technology is a must and the every candidate is provided with the right environment to shape into a confident individual having the necessary skill set to fit in any role at the industrial market.

Dr.M.V.B ChandraSekhar

HOD of CSM Department

JOURNALS/CONFERENCES ATTENDED:

1. "Performance Analysis of Machine Learning Algorithms Using Information Theoretic Class Based Multi correlation Dependent Feature Selection"

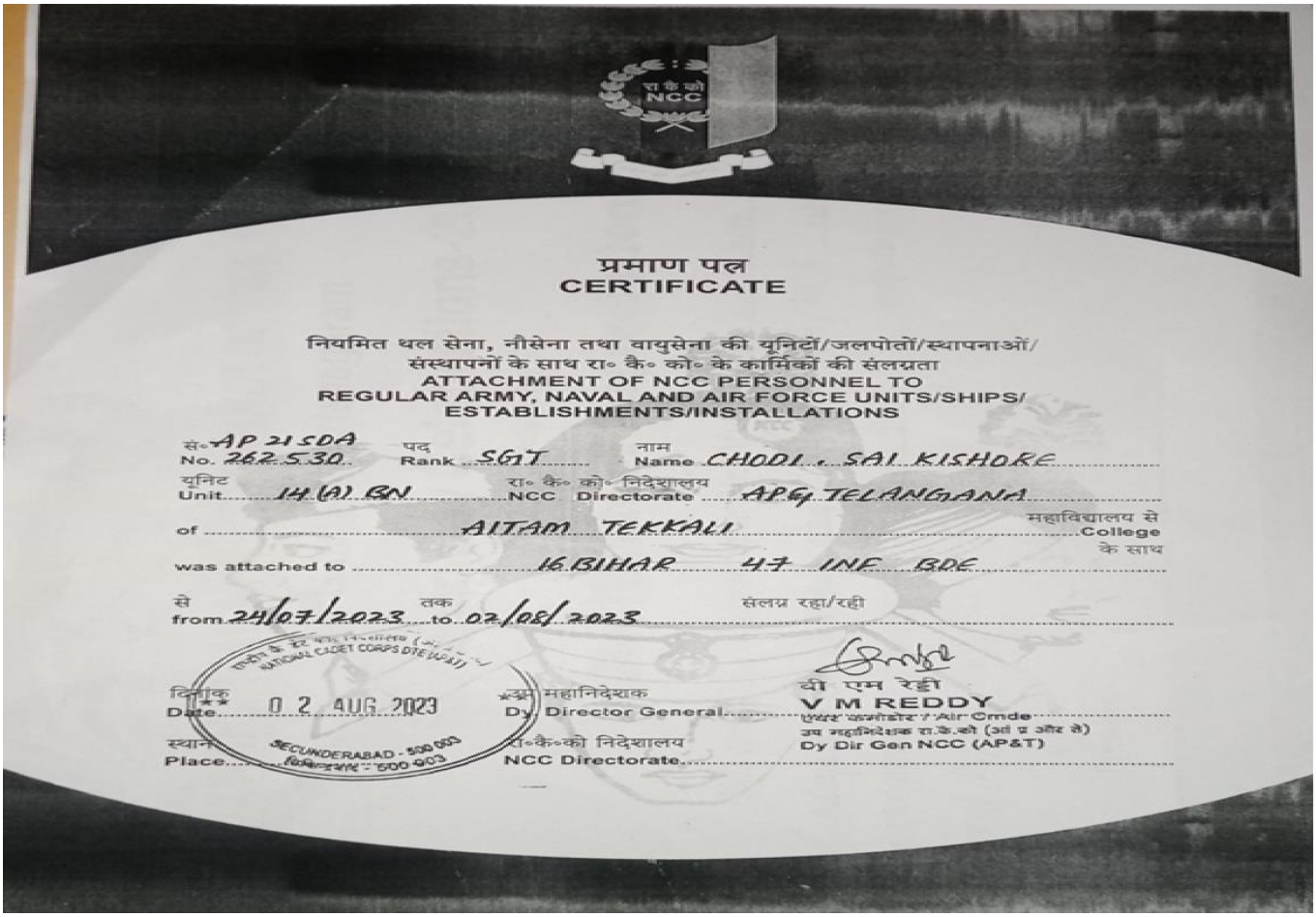
[1]Sangeeta Kurman [2]Sumitra Kisan

Abstract: for feature selection pick Techniques the most useful features from high-dimensional datasets to minimize dimensionality while preserving semantic information. Dimensionality reduction has a great impact on the learning accuracy and the computational complexity of techniques for deep learning and machine learning. Most feature selection techniques focused on removing irrelevant and redundant features only and ignored multi-correlation factors such complementarity and interaction between features. Motivated by this, we applied a variant of the R2CI feature selection algorithm to select the most informative features in the cervical cancer risk factor dataset and observed its impact on the accuracy of machine learning algorithms. Comparative study of machine learning algorithms' performances is presented in this research on considering class-based feature multi-correlation and information-theoretic dependent FSA. For our study, we considered twelve different machine learning algorithms for comparison using metrics such as accuracy, precision, recall and ROC-AUC curve. Results show a significant increase in accuracy of all the machine learning algorithms that are considered.

FACULTY DEVELOPMENT PROGRAMME/WORKSHOPS ATTENDED

S. No.	Name of The Faculty	Name of The Programme	Dates	Venue
1	*Dr.M.V.B.Chandrasekhar*	*FDP On Designing Machine Learning Applications for Embedded Systems using STMicroelectronics AI Ecosystem*	*27.11.2023 to 01.12.2023*	*AITAM,Tekkali*
2	*Sri.Pradeep Kumar Mahapatro*	*AICTE recognized FDP on "Funding opportunity in Enggineering" at AITAM,Tekkali*	*4.07.2023 to 28.07.2023*	*AITAM,Tekkali*
3	*Sri.A.Dasaradha*	*One week National Level FDP on Cloud Infrastructure*	*21.08.2023 to 25.08.2023*	*Brainovision Pvt.Ltd*
4	*Sri.A.Dasaradha*	*Webinar on Role of AI in physical design*	*14.12.2023*	*Maven Silicon*
5	*Sri.A.Dasaradha*	*Inculcating Universal*	*21.12.2023 to*	*AICTE,*

		Human Values in Technical Education	*23.12.2023*	*AITAM,TEKKALI*
6	*Sri.A.Dasaradha*	*FDP On AI tool and promt engineering*	*27.11.2023 to 02.12.2023*	*Anil Neerukonda Institute of Technology and Science*
7	*Dr. S.V.S.SANTHI*	*Participated in the AICTE Recognized Faculty Development Programme on NAAC and Internal Quality Assurance*	*11.09.2023 to 15.09.2023*	*AITAM,Tekkali*
8	*Dr. S.V.S.SANTHI*	*A Fifteen Day Short Term Online Course on Emerging Research Trends in Computer Science and Engineering*	*26.06.2023 to 10.07.2023*	*JNTU-GV,Vizianagaram.*
9	*Smt.Tangi Tejeswari*	*A Fifteen Day Short Term Online Course on Emerging Research Trends in Computer Science and Engineering*	*27.06.2023 to 10.07.2023*	*JNTU-GV,Vizianagaram.*
10	*Smt.VELAMALA YAMUNA*	*AICTE Recognized Faculty Development Programme Protection from Cyber Attacks*	*07.08.2023 to 11.08.2023*	*AITAM,Tekkali*
11	*Sri.Anil Kumar Prathipati*	*AICTE recognized FDP on "Funding opportunity in Enggineering" at AITAM,Tekkali*	*24.07.2023 to 28.07.2023*	*AITAM,Tekkali*
12	*Sri.K.Sangeeta*	*AICTE recognized FDP organized by NITTR, Chandigarh on "Online Learning and Online evaluation*	*20.03.23 to 24.03.23.*	*AITAM,Tekkali*



प्रमाण पत्र
CERTIFICATE

नियमित थल सेना, नौसेना तथा वायुसेना की यूनिटों/जलपोतों/स्थापनाओं/
संस्थापनों के साथ रा० कै० को० के कार्मिकों की संलग्नता
ATTACHMENT OF NCC PERSONNEL TO
REGULAR ARMY, NAVAL AND AIR FORCE UNITS/SHIPS/
ESTABLISHMENTS/INSTALLATIONS

सं० No. AP 21 SDA 262530 पद Rank SGT नाम Name CHODI . SAI KISHORE

यूनिट Unit 14 (A) BN रा० कै० को० निदेशालय NCC Directorate APG TELANGANA

of AITAM TEKKALI महाविद्यालय से College के साथ

was attached to 16 BIHAR 47 INF BDE

से from 24/07/2023 तक to 02/08/2023 संलग्न रहा/रही

दिनांक Date 02 AUG 2023

स्थान Place SECUNDERABAD - 500 003

अप महानिदेशक Dy Director General

रा०कै०को निदेशालय NCC Directorate

वी एम रेड्डी
V M REDDY
एयर कमोडोर / Air Cmde
उप महानिदेशक रा.कै.को (आं प्र और ते)
Dy Dir Gen NCC (AP&T)

Events Organised:

DESIGN MACHINE LEARNING APPLICATIONS FOR EMBEDDED SYSTEMS ORGANIZED BY CSM&CSD ON (27-11-2023 TO 1-12-2023)



aitam
ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT
An Autonomous Institution

23 years of EXCELLENCE

A
Student Development Program
on

FUNDAS OF PYTHON IN BUSINESS ANALYTICS

24th to 28th July 2023



Ms.V.Yamuna



Mr.K.V.Chandrasekhar

Convenor : Mr.V.Gopala Krishna

Organized by MBA, CSM & CSD

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Editorial Board

Faculty

Srinivasa Rao Konni

Students

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D.Ganesh 22A51A42A2

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