

**DEPARTMENT OF IT**

**A HALF-YEARLY NEWSLETTER**

<b>AY: 2020-21</b>	<b>July-dec</b>	<b>Vol. 13</b>	<b>Issue - 1</b>
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**ADITYA**

**Institute of Technology and Management**  
**(An autonomous institution)**

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# ADITYA

## Institute of Technology and Management

**(An autonomous institution)**

Department of Information Technology

### 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**

Create high-quality engineering professionals through research, innovation and teamwork for Information Technology services with outstanding faculty, facilities and education.

#### **Mission**

**M1:**Information Technology programme dicates itself to provide students with a set of skills,knowledge and attitude that will permit its graduates to succeed and thrive a ssuccessful information technologists.

**M2:**Enhance overall personality development which includes innovative thinking, Teamwork,entrepreneurskills,communicationskills,employabilityskillsand ethicalconduct.

**M3:** Ensuring effective teaching–learning process to provide in-depth knowledge of Inter disciplinary areas.

**M4:**Providing industry interactions through consultancy and sponsored research for the societalneeds.

### **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.Srinivasa rao  
PRINCIPAL

## **HOD's Message**

Information Technology is a professional engineering discipline that deals with application of computers to store, retrieve, transmit and manipulate data. Our department has a team of qualified and experienced faculty and staff members and we are motivation both faculty and students continuously to improve the quality of education and to maintain its position of leadership in engineering and technology. The department guides the students to develop their technical skills and motivate them to learn in research methodology. Our department has been conducting National workshops and organizing seminars since its beginning to keep the faculty and students with the latest developments in the field of technical education. Our department faculties are actively published in reputed international and national journals and actively participated in various international and national conferences to publish papers.



Dr.B.V.Ramana  
HOD of IT Department

## **Faculty publications**

1. Dr.G.Nageswara Rao,Professor , published a paper titled “Vechicle Number Plate Detection using Kirsch Compass kernel edge detectionTechnique” in IJCRT,Jppublications,( ISSN: 2320-2882 (Online)), Vol.8 ,Issue 7 &July2020
2. Nibedan Panda,Assistant Professor , published a paper titled “Oppositional Salp Swarm Algorithm with Mutation operator for global optimization and application in training Higher Order Neural Networks” in Multimedia Tools and Applications, Springer,( ISSN:1573-7721(Online) 1380-7501(Print), 09 Jan 2021.
3. Dr.B.Ramesh Naidu, Professor, published a paper titled ‘Detection of Brain Tumour by integration of VGG-16 and CNN Model’ in IJCRT,Jppublications, ( ISSN: 2320-2882(online)), Vol 8,Issue 7,2320-2882,July-2020

**FACULTY DEVELOPMENT PROGRAMME/WORKSHOPS ATTENDED**

<b>S. No .</b>	<b>Name of The Faculty</b>	<b>Name of The Programme</b>	<b>Dates</b>	<b>No.of.Participants</b>
1	Dr.G.Nageswara Rao	One Week FDP on Machine Learning and Its Applications	4-8th July2020	100
2	Dr.G.Nageswara Rao	Two Day Workshop on Design Thinking	29th-30th July2020	90
3	Dr.B.Ramesh Naidu	One Week FDP on Machine Learning and Its Applications	4-8th July2020	100
4	Dr.B.Ramesh Naidu	Two Day Workshop on Design Thinking	29th-30th July2020	90
5	Mr.Ch.Chandra sekhar	Two Day Workshop on Design Thinking	29th-30th July2020	90
6	K.Kavitha	One Week FDP on Machine Learning and Its Applications	4-8th July2020	100

**CONFERENCES ATTENDED**

<b>S. No .</b>	<b>Name of The Faculty</b>	<b>Title</b>	<b>Name of the Conference</b>	<b>Venue &amp; Dates</b>
1	Dr.G.Nageswara Rao	Breaking down and Reduplication of Information in Cloud for best overall performance and protection	International conference on intelligent computing in control and communication	AITAM,7th&8th August 2020
2	Nibedan Panda	Effectiveness of Swarm-Based Metaheuristic Algorithm in Data Classification Using Pi-Sigma Higher Order Neural Network	Advances in Intelligent Systems and Computing	RD Womens University, Bhubaneswar. 20-21st Dec, 2019.
3	Nibedan Panda	Effectiveness of Backpropagation Algorithm in Healthcare Data Classification	Lecturer Notes in Networks and Systems	SOA University, Bhubaneswar. 13-14th August 2020.
4	Ch. Chandra Sekhar	Effectiveness of Backpropagation Algorithm in Healthcare Data Classification.	International Conference on Technology for Smart City and Society (GTSCS-2020)	Siksha 'O' Anusandhan, Bhubaneswar, Odisha, India & 13-14 August, 2020
5	JagadeeswaraRa	Breaking down and reduplication of information in	ICCC2020	August 7-8, 2020

	o G	cloud for best overall performance		(Online)
6	Alok Kumar Jena	Sentiment Analysis using Semi Supervised Machine Learning Technique	International conference on iMachine Learning, Internet of Things and Big Data	Springer Conferernce (IGIT, Sarang) 19th and 20th Sep. 2020

## PATENTS

S. No	Name of The Faculty	Title of Patent	Details of Application	Date of applied or Publication	Status - Published/Aplied
1	Dr.G.Nageswara Rao	<b>DIP-Intelligent Neural Networks:</b> Digital Image Processing Using Intelligent Neural Networks System.	Patent Application Publication, Application No. <b>202041053101 A</b> , Date:07/12/2020	The Patent Office Journal No. <b>52/2020</b> Dated 25/12/2020, Page No.63231, Early Publication (Chennai).	Published
2	Ch. Chandra Sekhar	<b>DIP-Intelligent Neural Networks:</b> Digital Image Processing Using Intelligent Neural Networks System.	Patent Application Publication, Application No. <b>202041053101 A</b> , Date:07/12/2020	The Patent Office Journal No. <b>52/2020</b> Dated 25/12/2020, Page No.63231, Early Publication (Chennai).	Published
3	Dr.B.Ramesh Naidu	<b>DIP-Intelligent Neural Networks:</b> Digital Image Processing Using Intelligent Neural Networks System.	Patent Application Publication, Application No. <b>202041053101 A</b> , Date:07/12/2020	The Patent Office Journal No. <b>52/2020</b> Dated 25/12/2020, Page No.63231, Early Publication (Chennai).	Published

## List of NSS Activities for A.Y.2020-2021

### Programme 1

#### Programme : 1

**Activity Name:** Food Distribution by NSS Volunteers at their villages

**Date:** 09-08-2020

#### **Brief report:**

AITAM NSS Team distributed food packets in different villages of srikakulam district. Majority of NSS volunteers participated in this programme.

**No of students attended:** 80

**No of Faculties attended:** 5







## **Programme 2**

**Activity Name:** Awareness about covid-19

**Date:** 20-09-2020

**Venue:** Dandugopalapuram village

### **Brief report:**

AITAM NSS Team visited Dandugopalapuram nearby village to college and conducted Awareness to villagers and school children on COVID pandemic and to take other precautionary measures to follow.

**No of students attended: 30**

**No of Faculties attended: 2**







### Programme 3

**Activity Name:** Covid-19 related painting competition on the occasion of Gandhi jayanthi

**Date:** 02-10-2020

Venue: online

**Brief report:**

AITAM NSS Team Conducted Gandhi jayanthi on 2nd October, 2020 through online and conducted painting competitions on various themes particularly to combat corona epidemic.

**No of students attended: 40**

**No of Faculties attended: 5**





## **Editorial Board**

### **STAFF:**

V.A.G.Raju,Asst.prof

### **STUDENTS:**

PKaliPrasad, 17A51A1209

V.Dhanush, 18A51A1248

T.AnandGuptha, 19A51A1252



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