



## DAYANANDA SAGAR ACADEMY OF TECHNOLOGY & MANAGEMENT



Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082  
Affiliated to Visvesvaraya Technological University, Belagavi and Approved by AICTE, New Delhi  
CSE, ISE, ECE, EEE, ME, CE Branches Accredited by NBA, New Delhi  
**NAAC Accredited with A+ Grade**

### Department of Artificial Intelligence and Machine learning

<b>Event Name</b>	“Three days hands on workshop”
<b>Theme</b>	“ Artificial intelligence and machine Learning”
<b>Date and Time</b>	7 <sup>th</sup> of July, 2022 to 9 <sup>th</sup> of July, 2022. 9:30 am - 5 pm.
<b>Venue</b>	AIML Lab, B block Basement



**Objectives of the Program/ Event:**

- To introduce students to Artificial Intelligence and Machine Learning techniques.
- To inculcate various statistical and mathematical concepts required by the industry.
- To provide basic concepts of Artificial Intelligence and Machine Learning.
- To provide hands-on working experience to the students on AIML.
- To provide knowledge about various concepts regarding models and algorithms.

**Purpose:** To provide students the knowledge regarding Artificial intelligence and Machine Learning technologies.

**Details about the event:**

Department of Artificial Intelligence and Machine Learning conducted a Three days Hands on workshop on “Artificial intelligence and Machine Learning” from 7<sup>th</sup> of July, 2022 to 9<sup>th</sup> of July, 2022 from 9:30am to 5:00pm. This event was helpful for students to understand the various concepts regarding Artificial Intelligence and Machine Learning and have hands-on experience implementing it.

The workshop was conducted by Lt. Col. PJ Anand Kumar (retd), Founder and CEO, Critical AI Pvt. Ltd, Bangalore on 7<sup>th</sup> July 2022 and Dr. Suresh Kannaiyan, Founder and Managing Director, Data Science products and Research on 8<sup>th</sup> and 9<sup>th</sup> of July 2022.

**Participants: 42.**

**Identification and addressing the GAP:** Hands on experience on AIML technologies as per requirements for Industry.

**Preferably Measurable outcomes:**

- Students were able to understand the Industry requirements for AIML.
- Students were able to learn various concepts regarding AIML.
- Students gained hands-on experience on tensor flow, keras, SPSS and Pandas.
- Students were able to gain the skills useful for development and implementation of projects.



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Phone: +91 080-28432777/28432999, Fax: +91 80 28432909, website: [www.dsatm.edu.in](http://www.dsatm.edu.in),



### DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Event Name	AI CLUB DISCUSSION
Theme	“Introduction to AI Club and field exploration”
Date and Time	12 <sup>th</sup> of June 2022 11:35pm-1:15pm
Venue	AI ML Lab, Basement, B -Block

#### Objectives of the Program/ Event:

- To provide an interactive session to the students wherein group discussions were encouraged.
- To understand and explore different AI and ML based projects.
- Help to build the basic foundation for an AIML based project for the semester.
- To give proper resources to understand GITHUB.

**Purpose:** To provide students the knowledge of different field to explore and build projects as a team in AI and ML.

#### Details about the event:

Department of Artificial Intelligence and Machine Learning conducted a AIML Club session on “Different fields to explore in AIML” On 12<sup>th</sup> of June 2022 at 11:35am. This event was helpful for students to understand the domain of different projects they could come up with and learn through group discussions.

The talk was given by coordinators of AIML Club to the students of 2<sup>nd</sup> year, AIML dept.

#### Resource Person:

AI ML Club Coordinators- (Deepti Hedge, Aryaman Mishra, Niranjana K, Sejal Kaur, Kavyashree, Vaishnavi K)

**Participants: 33**

#### Preferably Measurable outcomes:

- Students were able to choose a AIML based topic to work on.
- Students could benefit from group discussions which led them to get insights on each topic displayed.
- Students were able to acquire resources to understand and work with GITHUB.



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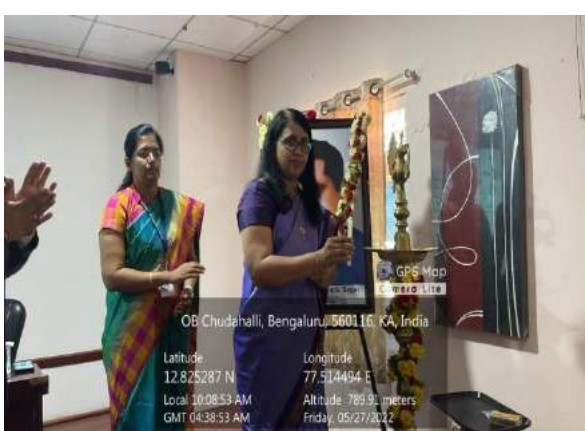
**DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

**Report on the International Conference –ICCTSET-2022**

<b>Event Name</b>	International Conference on Current Trends in Science, Engineering & Technology (ICCTSET-2022).
<b>Date</b>	27 <sup>th</sup> and 28 <sup>th</sup> May 2022
<b>Venue</b>	A Block Seminar Hall, 4 <sup>th</sup> Floor, DSATM

**Objectives of the Program/ Event:**

- To provide a platform for expression of interest & cognitive thoughts and promote research among all the active participants in the conference.
- To provide an opportunity to all the participants to upgrade their knowledge in context of global business.





**Details about the event:**

The formal inauguration of was held on 27<sup>th</sup> May 2022 in the presence of Mrs. Sujatha Visweswara, Co-founder digiNxtHlt Solutions, A digital healthcare company, Bangalore, she was the Chief Guest of the occasion.

The work towards the **First International Conference on Current Trends in Science, Engineering & Technology (ICCTSET-2022)** started in the month of February 2022.

All accepted Papers was published in Google Scholar indexed International Journal of Engineering Research in Computer Science and Engineering with ISSN No.-2394-2320.

The deadline for the submission was 2<sup>nd</sup> May 2022.The authors were invited to submit papers through [icctset2022@dsatm.edu.in](mailto:icctset2022@dsatm.edu.in) or electronically through Easy Chair link: <https://easychair.org/conferences/?conf=icctset2022>.

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|---|---|----|
| 1. Total Number of papers received  | : | 70 |
| 2. Total Number of papers rejected<br>(due to plagiarism and reviewers rejection) | : | 20 |
| 3. Total number of papers accepted  | : | 50 |
| 4. Total number of papers registered for Presentation                             | : | 50 |

5. Total number of papers presented in the conference : 45  
6. Total number of papers accepted for publication in : 45  
Google Scholar indexed International Journal of  
Engineering Research in Computer Science and  
Engineering

The papers were reviewed by the experienced professors in their respective streams. The papers were checked for plagiarism at DSCE library using Turnitin Software. The papers with more than 15% plagiarism were rejected.

The last date for registration was 11-05-2022. We have received 45+ registrations for paper presentation.

**PROGRAM COMMITTEE members are:**

Dr.Kusuma, Professor, Dept. of ISE  
Dr.Thirukrishna JT, Assoc. Prof., Dept. of ISE  
Dr.Manjula G, Assoc. Prof., Dept. of ISE  
Dr.Rashmi Amardeep, Assoc. Prof., Dept. of ISE  
Dr.Abhirami Rajasekaran, Assoc. Prof., ISE

The event was **co-ordinated** by the following members namely,

Dr. Anusha Preetham, Asst. Prof.,Dept. of ISE  
Dr. Pooja Nayak S,Asst. Prof., Dept. of ISE  
Ms.Spandana, Asst. Prof., Dept. of ISE  
Mrs.Supriya, Asst. Prof.,Dept. of ISE  
Mrs.Shwethasree, Asst. Prof.,Dept. of ISE  
Mrs.Sowbhagya M P, Asst. Prof., Dept. of AIML

The program schedule of the conference for 19<sup>th</sup> – 20<sup>th</sup> March, 2019

### ICCTSET-2022 Program Schedule

Day	Timings	Events
<b>Day-1 Friday 27/05/2022</b>	9:45AM-10:15AM	Inauguration
	10:15AM-11:15AM	Keynote Address by: <b>Sujatha Visweswara</b> , Co-founder DigiNxHlt Solutions, A digital healthcare Company, Bangalore, Karnataka, India.
	11:15AM-11:30AM	Tea Break
	11:30AM-1:00PM	Session 1: Track-1: Offline Track-2: Online
	1:00PM-2:00PM	Lunch Break
	2:00PM-3:15PM	Technical talk by : <b>Dr. Ram (Venkata Ramana Maran)</b> , Founder and CEO, AI Tech park, Penang, Malaysia.
	3:15PM-3:30PM	Tea Break
	3:30PM-4:30PM	Session 2: Track-1: Offline Track-2: Online
<b>Day-2 Saturday 28/05/2022</b>	9:45AM-11:15AM	Technical talk by: <b>Dr. Shubha Bhat</b> , Senior developer(AI-Computer vision) and Team lead, Lumachain, Australia
	11:15AM-11:30AM	Tea Break
	11:30AM-1:00PM	Session 3: Track-1: Offline Track-2: Online
	1:00PM-2:00PM	Lunch Break
	2:00PM-3:15PM	Session 4: Track-1: Offline Track-2: Online
	3:15PM-3:30PM	Tea Break
	3:30PM-4:30PM	Valedictory



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## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

<b>Event Name</b>	2 days Hands – On Workshop on IOT and its applications
<b>Theme</b>	Internet of Things and its Application
<b>Date and Time</b>	3 <sup>rd</sup> and 4 <sup>th</sup> of December 2021 <b>9.30 AM to 4:30 PM</b>
<b>Venue</b>	A block, Room num-108

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**2-Days Hands-on Workshop on Internet of Things and its Application**  
In Association with Arcis Business Solutions, B'lore  
December 03<sup>rd</sup>-04<sup>th</sup>, 2021

**Organized by**  
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING  
For students of 3<sup>rd</sup> semester AI & ML

**ABOUT THE INSTITUTION**  
Dayananda Sagar Academy of Technology and Management is approved by all India Council for Technical Education (AICTE), Govt. of India and affiliated to Visvesvaraya Technological University. It has widest choice of Engineering Branches having UE Under Graduate Courses, B. Architecture, MBA and MCA programs and VTU recognized PUCD centers.

**ABOUT THE DEPARTMENT**  
Department of AI & ML, was established in the year 2020, offers UG course in Artificial Intelligence and Machine Learning with an intake of 60. Department is having qualified faculty and well established laboratories. The department has MoU with AI Tech Park Sdn. Bhd. Penang, Malaysia.

**Vision of the Institute**  
To strive at creating the Institution a center of highest caliber of learning, so as to create an overall intellectual atmosphere with each deriving strength from the other to be the best of Engineers, Scientists and Mathematicians.

**Vision of the Department**  
To Excel in the Emerging Technology of Artificial Intelligence & Machine Learning by imparting quality education, and to enhance the Research & Problem solving skills in the Applications of Computer Science and Engineering with a focus to make them industry ready and to enhance the career towards their professional growth.

**Program Schedule**

**Day1**  
9:30am to 10:00am: Inauguration of Workshop  
10:00am to 4:30pm: Hands on Workshop for circuits 1-6 with Tea breaks and Lunch

**Day2**  
9:30am to 4:30pm: Hands on Workshop for circuits 7-12 with Tea breaks and Lunch  
4:30pm: Valedictory Session.

**RESOURCE PERSON**  
Mr. B V Ramesh,  
Senior Manager,  
Arcis Business Solutions, Bangalore

**OBJECTIVES OF THE WORKSHOP**

- To train students to learn basic concepts in Internet of Things.
- To provide hands-on experience in Internet of Things and its Application.
- To strengthen the students in developing Applications.

**PATRONS**  
Dr. Hemachandra Sagar  
Chairman, DSI  
Dr. Premanchandra Sagar  
Vice-Chairman, DSI  
Shri. Gajiswamy  
Secretary, DSI

**ORGANISING CHAIR**  
Dr. Ravishankar M  
Principal, DSATM, Bangalore

**CONVENER**  
Dr. Sandhya N  
Prof. & Head,  
Department of AI & ML  
Mobile: 9901799666  
E-mail: hodatm@dsatm.edu.in

**COORDINATORS**  
Prof. Sowbhagya M P, Assistant Professor  
Prof. Raghava M S, Assistant Professor



### Objectives of the Program/ Event:

- Explore technologies in the area of Internet of Things (IoT)
- Obtain hands on knowledge about IoT and its applications.

- Interaction and working along industry experts.
- Understanding IoT components
- Explanation on IoT domain related to Hardware, Sensors and connectivity protocols.

**Purpose:** This workshop is to give students a conceptual and practical introduction to developing hardware and software applications on IOT platform.

**Details about the event:**

Artificial Intelligence and Machine Learning department conducted “2 days Hands – on Workshop on Internet of Things and its Application” on 3<sup>rd</sup> and 4<sup>th</sup> December 2021. This workshop is helpful for students to gain knowledge about AI & ML technologies applied using IOT. Mr Ramesh B V Senior manager, Arcis business solutions conducted the workshop.

**Resource Person:**

Mr Ramesh B V Senior manager, Arcis business solutions

**Participants: 41**

**Identification and addressing the GAP:** Adopting iot sensor technologies and advanced hardware components for designing and modelling AI and ML projects.

**Preferably Measurable outcomes:**

- Obtain hands on experience about working of IoT and its components
- Understanding working and availability of different sensors
- Understand real world implications useful for mini project
- Hands on workshop helpful to students to analyse concepts practically