SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

ACTIVITY REPORT

JUNE,2022

SATHYABAMA ISTE STUDENT CHAPTER

Branch Code - 371

Preface

This annual report is the outcome of the ISTE Student Chapter, Sathyabama Institute of Science and Technology in the academic year 2021-2022. The objective of the activities conducted by the student chapter is to familiarize the students with the implementation of knowledge. The report is prepared based on the information gained during every programmes.

Faculty Advisor

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About ISTE

- The leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System.
- Being the only national organization of educators in the field of Engineering and Technology, ISTE effectively contributes in various missions of the Union Government.
- The strength of ISTE is the strong base it has in technical education institutions in the country.

About ISTE STUDENT CHAPTER

The inception of the ISTE Student Chapter (ISTE SC) of Sathyabama Institute of Science and Technology (Deemed to be University) was in the month of October 2018. Throughout the years, it is an active and vibrant chapter. Every year the chapter is added up with active student members who play a major role in building up the chapter and keeping it active. The chapter was started with 101 members and at the end of 2021 it had 325 members and now 430 in 2022. ISTE student chapter consistently organize technical events like skill development programs, workshops, hands on training and special lectures in cutting edge technologies. Students expand their knowledge by attending these events of advance technologies. Also, student chapter host nationalLevelTechnicalSymposium“TECHNOHOLMES/TECHUTSAV”everyyear ;as a platform for students to showcase their leadership and technicalskills.

Vision

- To provide quality training programmes to teachers and administrators of technical institutions to update their knowledge and skills in their fields of activity
- To assist and contribute in the production and development of top quality professional engineers and technicians needed by the industry and other organizations
- To provide guidance and training to students to develop better learning skills and personality

Mission

- To create an awareness among students about benefits of ISTE
- To organize technical awareness programmes
- To organize skill development programmes
- To form technical groups and motivate the student members to develop projects useful for the community
- To organize regular events like workshops, technical symposiums and contests
- To encourage student members to achieve more awards sponsored by ISTE

ISTE SC Office Bearers

Selection Procedure and Guidelines

The circular for ISTE SC Office Bearers Selection Interview for the academicyear2019-2020wassenton6.1.2019toallthethird-yearstudentsof School of Computing (CSE and IT) and School of Electrical and Electronics Engineering (ECE, EEE and E&I) through Deans of schools/ Heads of the Departments/ Class Counsellors. The interested students were asked to register withtheirbasicinformationandbiodataonorbefore20.1.2019.45studentswere shortlisted based on their skills and interests from the 107 registered candidates were called for the direct interview on 27.1.2019 and 28.1.2019. Direct interview was conducted by ISTE SC advisor and staff coordinators. The evaluation report was made based on students' elegance, perspective, communication, interactive and leadership skills. The following office bearers with 15 studentswereselectedfromthedirectinterviewbasedontheevaluationreportfor theacademicyear2019-2020.Thisexecutivecommitteewillbeactivetilltheend of this academic year.

LIST OF ISTE OFFICE BEARERS'2021-2022

SL.NO.	DESIGNATION	STUDENT INCHARGES	DEGREE/BRANCH/SECTION
1.	Chairperson	PVSS.HARSHA VARDAN	M.E. (EMBEDDED SYSTEM AND IOT)
2.	Vice Chairperson	JAYANTH	B.E. ECE **(**A5**)**
3.	Secretary	CH VP RAGHURAM KUMAR	B.E.ECE (A2)
4.	Treasurer	KARTHIK	B.E.ECE (B3)
5.	Executive Council Members	JISHNU RISHITA NAYAK NAGASHIVA T. RUTHIK KUMAR DINESHBABU NR GAYATRI PARASA GOWTHAM R. MAHIDHAR REDDY V.PIYUSH NARENDRA NADH K. BHARATH KUMAR REDDY	B.E.ECE (A3) B.E.CSE (D3) B.E.CSE (D3) B.E.ECE (B5) B.E.ECE (A2) B.E.ECE (B2) B.E.ECE (A5) B.E.ECE(B3) B.E.ECE(B5) B.E.ECE(A5)

Office Bearers'2020 -2021

SL.NO.	DESIGNATION	STUDENT INCHARGES
1.	Chairperson	TRINADH G (IV YEAR ECE)
2.	Vice Chairperson	AKHILA GANDROTULA(IV YEAR ECE)
3.	Secretary	MADHURI.G (IV YEAR ECE) HARSHAVARDHAN T(IV YEAR ECE)
4.	Treasurer	VARSHINI.M (IVYEARECE) HARISHKUMARREDDY.B(IV YEAR ECE)
5.	ExecutiveCouncil Members	L.BHAVISHYA (II YEAR ECE) RAYAL PRAVEEN KUMAR JAGADEESH V(II YEAR ECE) R THANUSRI(II YEAR ECE) LOKESWAR REDDY B MOHANAVENKATAPRATHUSHA SHANKAR R (II YEAR ECE) ISHWARYA CH(II YEAR ECE) B. CHANDRA MOHAN REDDY

OfficeBearers'2019-2020

SL.NO.	DESIGNATION	STUDENT INCHARGES
1.	Chairperson	SEELAM MIDDEVANDLA TEJASWI SAI
2.	Vice Chairperson	SAKETH RAM. M
3.	Secretary	GOURAV KUMAR
4.	Treasurer	HARI KRISHNA GANGU
5.	Executive Council Members	GANDROTULA AKHILA GAURAV RATNU GULLANKI MADHURI GUNDUBOYINA TRINADH B. HARISH KUMAR REDDY MOHANAVENKATA PRATHUSHA VISHNU PREETHA. S HARSHAVARDHAN. T P.SATYANARAYANA ISHWARYA .C SESHAM KARTHIK

ISTE Student Chapter Activities 2021-2022

The new office bearers were introduced on 24.6.2021 and their roles and responsibilitiesweredescribed.ISTESCregularlymeetsfortnightlywithoffice bearers, staff coordinators and faculty advisor. Meetings were conducted with the agenda of conducting ISTE awareness programmes from first year to third year students of School of Computing and School of Electrical and Electronics Engineering in the month of March and April to enhance the membership development. The next agenda was to organize the activities to develop the technical skills of students. The activities like workshops and technical talks by experts were conducted.The consolidated list and details of the activities were givenbelow.

S.No.	Nature of Programme	Topic of the Event	Date	Resource Person / Invited Guest
1.	Hands on training	Digital Image Processing using MATLAB	18th july-20th july,2022	Dr.M.Sumathi Dr.P.Chitra Dr.k.Srilatha
2.	National level technical Workshop Tech Vibav,2022.	Shot gun Code War Talent battle Tech talk Connections	22nd aug-26th aug,2022	Dr.M.Sumathi Dr.S.Lakshmi Mrs.Mary Sanju Dr.P.Kavipriya Dr.S.Jayanthi
3.	SHORT TERM TRAINING PROGRAM	DEEP LEARNING AND ITS APPLICATIONS	19th-24th April 2021	AICLTeam Lead Mr.Balaji Mr.Eswar and Ms.Preethi

4.	STTP	DATA SCIENCE-AI ALGORITHMS	7th June -17th July 2021	Dr.M.Sumathi, Dr.P.Chitra, Dr.R.Narmadha Dr.Godwin Premi Dr.Vedanarayanan
5.	LECTURE SERIES	SOFT SKILLS FOR PLACEMENT	6th – 18th Sept 2021	Dr.E.Poovammal Mr.Rajasekhar Dr.K.Venkatraman Mr.Jaison Deepak Mr.Anto Varghese
6.	STAFF SKILL DEVELOPMENT PROGRAMME SPONSORED BY ISTE NEWDELHI	AI-ML, IOT	Oct 2021 to till date	Dr.M.Sumathi (ECE) Dr.P.Chitra (ECE) Dr.R.Narmadha(ECE) Dr.Asha (CSE) Dr.Angayarkanni(CSE)

NATIONAL LEVEL TECHNICAL WORKSHOP

TECH VIBHAV'2022

Sathyabama ISTE Students Chapter Organized five days technical workshop in association with Department of ECE and CSE from 22nd August to 27th August '2022 at 10:00 AM to 12:15 PM. Newly elected ISTE Student Office bearers are introduced in the function held in Second floor of

International Research Center, Auditorium. The Director Administration of the Institution **Dr. G. Sundari** and the Guest of Honor Shri **R. Baskar**, Vice-President, ISTE Tamilnadu Section have inaugurated the function by lightening the Kuthuvillaku and Congratulated the new student members for joining the family of ISTE. The establishment and principles of ISTE, the benefits of ISTE membership, and various opportunities was shared by Shri **R.Baskar** and gave wonderful motivation speech for Students and Faculty.

Finally, the event is wrapped by expressing the heartfelt thanks to the Management and dignitaries along with the members of ISTE by **Dr.M.Sumathi**, ISTE faculty Advisor. We conducted five Events such as **Shot Gun, Code War, Talent Battle, Tech Talk and Connections.** We provided Awards and Certificates to all Winners and Participants. We gave cash prize to the first three winners and everyone put their effort to made a grand success.

Cash Prize:

First Prize:1000/-

Second Prize:750/-

Third Prize:500/-

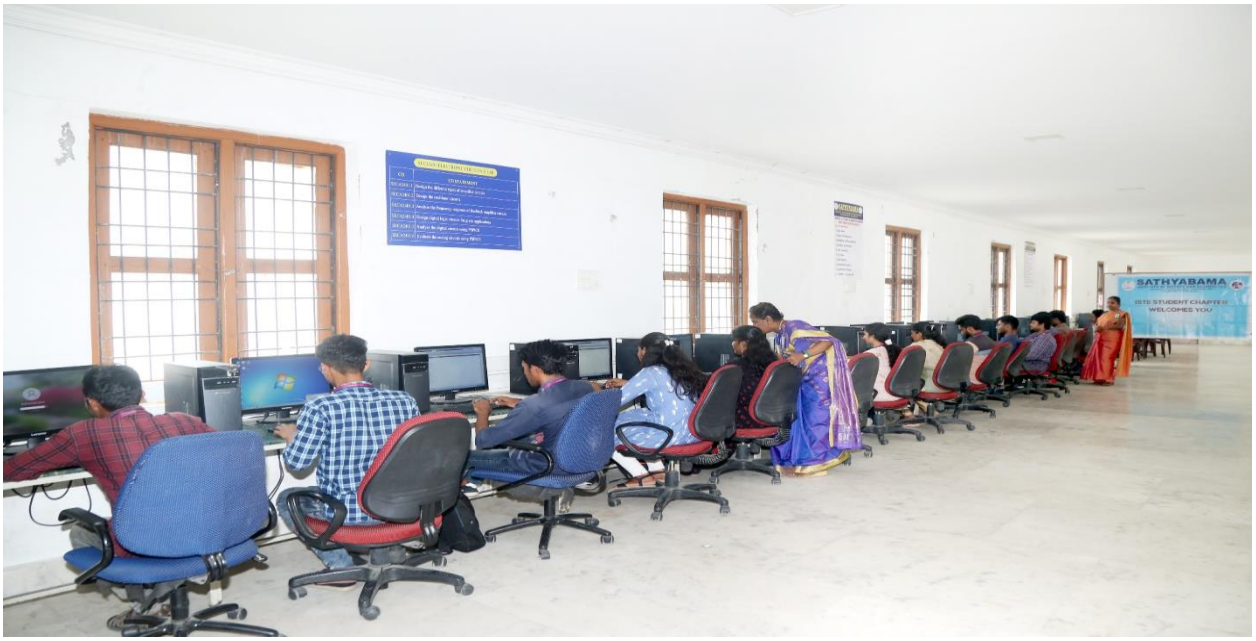
ISTE Office Bearers with Dignitaries

Inaugural Address given by Chief Guest

Prize Distribution by Dr.T.Ravi, HoD of ECE

- Organized 3 days Hands on training on “Digital Image Processing using MATLAB” (18th - 20th July 2022) – 22 Participants

Three days Hands on training is provided by Sathyabama ISTE Student Chapter in association with Department of ECE on 18thto20thJuly 2022. The hands-on training is given to all the Participants under the topic Digital image processing using MATLABProgramming. Totally 22 Participants are involved in this short-term Training Programme. Resource Persons are experts fromTeaching Staffs of ECE department and demonstrated soft skills for image processing applications.



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY (DEEMED TO BE UNIVERSITY)

Accredited with Grade "A" by NAAC | 12B Status by UGC|Approved by AICTE

School of Electrical and Electronics

Department of Electronics and Communication Engineering

In association with ISTE student chapter organizers

Hands on Training for Digital Image Processing using MATLAB

Venue
@
Simulation Lab

Date
18th – 20th July 2022
(Monday - Wednesday)

Timing
1:15 pm – 3:15 pm

PATRON
Dr. T. Sasipraba
Vice Chancellor

CONVENERS
Dr. N. M. Nandhitha,
Dean, School of EE
Dr. T. Ravi,
H O D – ECE

ORGANISERS
Dr. P. Chitra
Dr. M. Sumathi
Dr.K.Srilatha

Registration @ https://qrco.de/bdBHJp

E – Certificate will be issued for all the participants

- Organized Ten Days "Lecture Series (ECE'S LS#10)" (6th – 18th September 2021) – 52 Participants

Ten days Lecture series (ECE'S LS#10) is conducted by Sathyabama ISTE Student Chapter in association with Department of ECE on 6thSeptember to18thSeptember 2021. The training was provided under the various topics like Programming in HDL, Biomedical Antenna Design, Principles and practices of modern Spectroscopic techniques, Soft skills for Placement, Antenna design for 5G applications. Totally 52 participants are involved in this Lecture series. The resource person for all the ten days is academicians from various reputed Organization and staffs from Sathyabama.

ISTE NEW DELHI SPONSORED TRAINING PROGRAM

Home >> Latest News >> Skill Development training program for faculty in i) Internet of Things & ii) AI/

Participation in Skill Development training program for faculty in
i) Internet of Things & ii) AI/ML

ISTE in collaboration with BNY Mellon conducting Skill Development Training Programs in Emerging Technologies for teachers working in engineering colleges in the country. The purpose of the training is to make them familiar with the emerging trends bridge the gap between Industry and Engineering institutions. The first initiative of this venture was training program on **Artificial Intelligence and Machine Learning** and **Internet of Things** which has received tremendous success. Considering the demand from Faculty and Institutes it is decided to conduct one more batch in these area.

Details about the Program

1) AI and ML (Phase -4)

Nature of Program : Online
Course Duration : 120 Hrs (About Two months)
Time : Daily Two hours at a time suitable for Maximum participants
Course fee : Free of Cost

2) Internet of Things (Phase-3)

www.isteonline.in/ViewpagePAnel.aspx?MenuId=Skill_Development_training_program_for_faculty_in__i_Internet_of_Things___ii_AI_1338 1/3

Nature of Program : Online
Course Duration : Will be announced shortly.
Time : Daily Two hours at a time suitable for Maximum participants
Course fee : Free of Cost

Selected participants will be given an IOT tool kit free of cost.

To qualify, the registered faculties have to clear the pre-assessment test to attend the training. **The pre-requisite for pre-assessment test will be communicated to the faculty appearing for the test.** After the completion of training, the faculty qualifying the Final Assessment Test will be issued Certificate. **Finally, the certified faculties are expected to train at least 100 students from their respective institute.**

Please note neither Institute nor Faculty have to pay any charges for the training. However, it will be the responsibility of the Institute to spare faculty for training as per schedule and faculty is expected to complete the training successfully with attendance and performance.

Benefit for Faculty:

- Gain knowledge on trending technology
- Earn a recognition certificate on successful completion of the training program.

Please identify the eligible faculties (**Two for each program**) who are having basic knowledge and ready to train students from your institute. **This will give an opportunity to the faculty to gain knowledge in trending technology and certification and in turn it will be beneficial to the students of your institute.**

Actions to be taken by the Institute:

- To nominate maximum 2-faculties interested in **AI and ML** and 2 faculties interested **Internet of Things (IoT) .**
- To ensure that the selected faculties attend the pre-assessment test to participate in the training and be regular after selection.
- To make available facility for students to undergo training by faculty in the area in which they trained.

Registration Procedure

The registration can be done by clicking on the following link:

Phase 3 Training on IoT - https://forms.gle/KSUQHfVX5odZq1M19

Phase 4 Training on AI/ML - https://forms.gle/1y5EAkVrmibytpFK8

SL.NO,	NAME OF THE STAFF	TRAINING UNDERGONE	PROGRESS
1	Dr.R.Narmadha Dr.P.Chitra	PHASE 1 - AI & ML	Received Certificate and Organized STTP for 102 students
2	Dr.M.Sumathi	PHASE 1 - IoT	Certificate to be received and planned for STTP in the month of

			December 2022.
3.	Dr.Asha Dr.Angayarkanni	PHASE 2 -AI & ML	Certificate is received and planned for STTP in the month of November 2022.
4.	Dr.Jebarani Dr.S.Lakshmi Dr.Jayasudha Dr.Rexiline Sheeba	PHASE 2 -IoT	Will attend the training in this semester
5.	Dr.Kavipriya Ms.Sanju	PHASE 3- AI & ML	Will attend the training in this semester
6.	Dr.M.Sumathi Dr.Posonia	PHASE 4 – AI &ML	Will attend the training in this semester
7.	Dr.Kishore Dr.Bernatin	PHASE 3 - IoT	Will attend the training in this semester

ISTE Student Chapter Activities 2019-2020

The new office bearers were introduced on 27.1.2019 and their roles and responsibilities were described. ISTE SC regularly meets fortnightly with office bearers, staff coordinators and faculty advisor. Meetings were conducted with the agenda of conducting ISTE awareness programmes from first year to third year students of School of Computing and School of Electrical and Electronics Engineering in the month of March and April to enhance the membership development. The next agenda was to organize the activities to develop the technical skills of students. The activities like workshops and technical talks by experts were conducted. Also, the annual national level technical symposium TECHNO HOLMES/TECH UTSAV 2019/2020 was planned and conducted in the month of March/July of 2019/2020.The consolidated list and details of the activities were given below.

S.No.	Nature of Programme	Topic of the Event	Date	Resource Person / Invited Guest
1	Workshop	MATLAB Programming	29.1.2020 & 30.1.2020	Mr.K.Venkatraman, Managing Director, Biovision Pvt.Ltd. 60 Participants
2	Technical Symposium	TechnoHolmes	16.03.2019	Dr.Chinnaraj,Executive Secretary,Office Bearers
3	Induction Program	ISTE - Inauguration Programme	31.10.2018	New ISTE Office Bearers, Dr.K.Manivannan,Vice President, ISTE Lifetime Member Staffs and Faculty Advisor

❖ Inauguration of ISTE Faculty and Students Chapter

Sathyabama Institute of Science and Technology inaugurated the ISTE Faculty and Students Chapter on 31st October, 2018 at 10.00 A.M. and introduced ISTE Student Office bearers in Second floor, Administrative Building Auditorium. The Guest of Honor **Dr.K.Manivannan**, Vice-President, ISTE New Delhi, have inaugurated the faculty and student chapter and lightened the Lamp and congratulated the students for joining the family of ISTE. The establishment and principles of ISTE, the benefits of ISTE membership, and various opportunities was shared by Dr.K.Manivannan for Students and Faculty. This is followed by distributing the Life-Time Membership Certificates to the Teaching Faculty and membership cards to Students. The office bearers of the student chapter are introduced to the gathering. Finally, the event is wrapped by expressing the heartfelt thanks to the Management and dignitaries along with the members of ISTE.

INAUGURATION
OF
INDIAN SOCIETY FOR TECHNICAL EDUCATION
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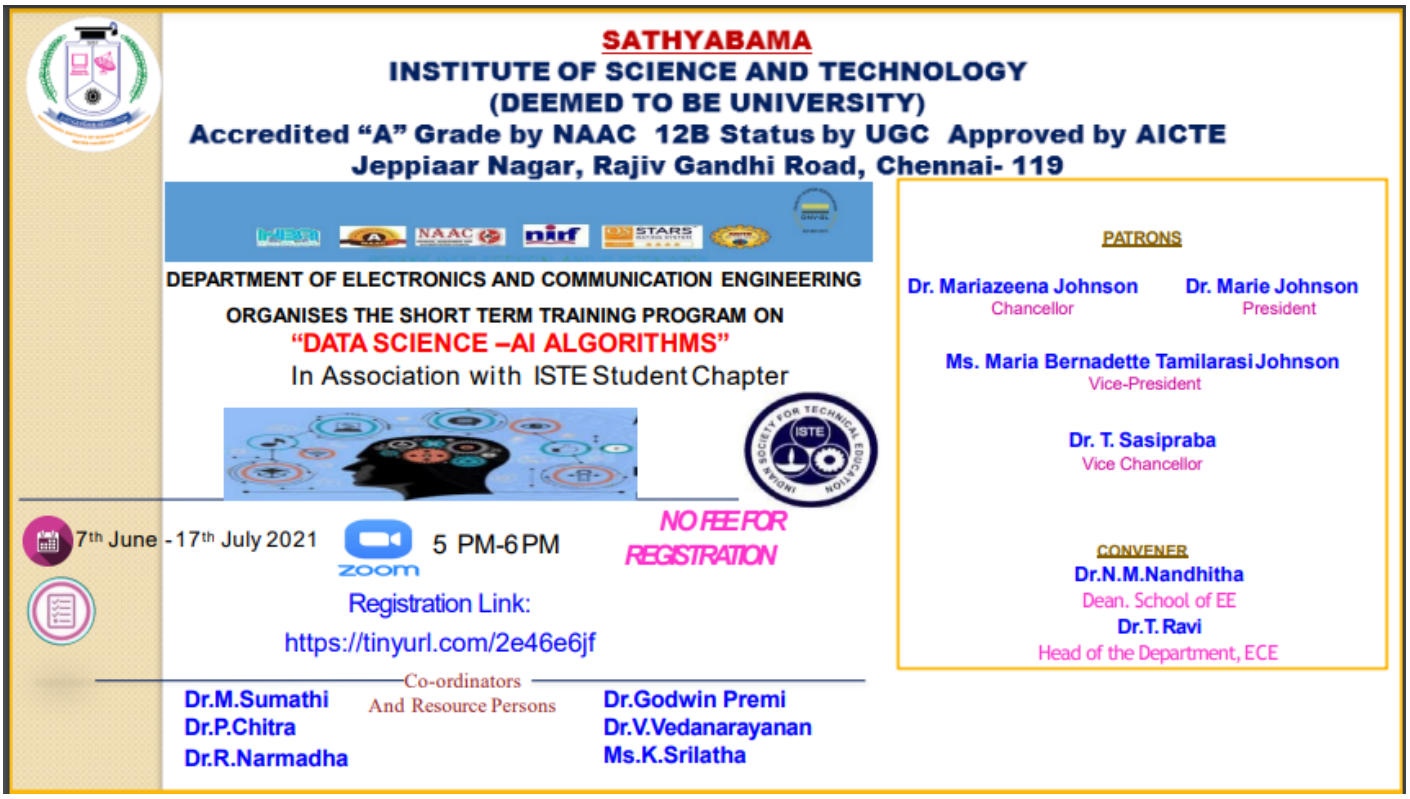
- Organized 6days STTP on "Deep Learning and its Applications" (19st - 24th April 2021) – 52 Participants

Six days AICL STTP is conducted by Sathyabama ISTE Student Chapter in association with Department of ECE on 19thto24thApril 2021.

The hands-on training is given to all the Participants under the topic Deep learning and its applications using MATLAB Programming and Python Programming. Totally 52 Participants are involved in this short-term Training Programme. Resource Persons are experts from AICL company and demonstrated soft skills for image processing applications.



- Organized STTP on "Data Science – AI Algorithms" on 7th June to 17th July 2021 [No of Participants: 104]

An online webinar on the topic "DATA SCIENCE-AI ALGORITHMS" is conducted by Sathyabama ISTE Student Chapter in association with Department of ECE on 07th June 2021. The session was provided exclusively to students. Totally 104 students participated in this STTP. On behalf of the School of Electrical & Electronics Engineering, Department of Electronics & Communication Engineering anISTE Sponsored / trained staffs was organized this program namely Dr. Narmadha, Dr. P.Chitra and Dr. M. Sumathi and hosted by Dr.Sankarapandian,ISTE President, Tamilnadu section, Chennai with our dean Dr.N.M.Nandhitha.This training highlighted the python programming and its applications on AI algorithms. Hands on session also held, the resource person has given a brief explanation about platform to work on the applications. Students interacted with the resource person and got ideas about projects too.

Contact Us

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