ATRIA INSTITUTE OF TECHNOLOGY

2018-'19

ANNUAL REPORT

INSTITUTION LEVEL

Conferences/Workshops/Publications/Patents/Awards/Other Events

NSS Activities

FREE HEALTH CHECK-UP: Atria Institute of Technology :
25th January 2019

Atria NSS unit conducted a FREE HEALTH CHECK-UP Program (EYE SCREENING, BP, SUGAR, ORTHOPAEDIC & DENTAL) which organized by Millennium Blood Bank (Kempegowda Medical Service Trust) FOR Staff and Students,

50 students along with 90 staff members and Principal attended the event.

INSTITUTION LEVEL

Conferences/Workshops/Publications/Patents/Awards/Other Events

NSS Activities

A 3 day NSS camp was conducted from 13.07.2018 to 15.07.2018. The volunteers participated enthusiastically in the camp under the able supervision of Ms. Omprakash B and Mr. Satish G program coordinators of NSS under the guidance of Dr.NarayanaSwamy K V, Principal, Atria Institute of Technology, Bengaluru

Atria NSS unit conducted a program "Mission Sahasi"(Making of the fearless) to fight against culprits engaged on harassing girls and to provide safe & secure environment for our girls.

It started from Atria Institute of technology at 04:30 PM on 26-10-18 with 35 students. Along with staff members and Principal attended the event.

Atria NSS conducted a school bell campaign 20-09-19 to 23-09-2019 which aimed at reducing the gap between the urban and the rural education system which would tangle permanently if the schools shut down. It also works to create a responsible compendium of volunteers, alumnus, local bodies, and village community to increase the enrollment ratio in the government schools. 'School Bell Campaign' the need of this hour.

INSTITUTION LEVEL

Conferences/Workshops/Publications/Patents/Awards/Other Events

Quality initiatives by IQAC during the year for promoting quality culture:

Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Workshop on "Outcome based learning approach in Higher education"	7/3/2019 To 9/03/2019 3 days	29
Workshop on "Outcome based learning approach in Higher education"	19/03/2019 to 23/03/2019 5 days (4 hours a day)	28
Workshop on "Outcome based learning approach in Higher education"	01/04/2019 to 04/04/2019 3 days	17
Workshop on "Outcome based learning approach in Higher education"	11/04/2019 to 13/04/2019 3 days	22

Quality initiatives by IQAC during the year for promoting quality culture:

	Department	No. of Publication	Average Impact Factor, if any
National	Nil	Nil	Nil
International	ISE	28	6.04
	ECE	9	4
	CIVIL	5	3.9
	CSE	35	4.8
	BSE	08	3.5

INSTITUTION LEVEL

Conferences/Workshops/Publications/Patents/Awards/Other Events

Awards and recognition received for extension activities from Government and other recognized bodies during the year :

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
STUDENT PROJECT PRAPOSAL,KSCST(Civil)	STATE LEVEL	KSCST	4
STUDENT PROJECT PRAPOSAL,KSCST(Civil)	STATE LEVEL	KSCST	4
STUDENT PROJECT PRAPOSAL,KSCST(Civil)	STATE LEVEL	KSCST	4
STUDENT PROJECT PRAPOSAL,KSCST(EC)	STATE LEVEL	KSCST	4

Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year:

	Department	No. of Publication	Average Impact Factor, if any
National	Nil	Nil	Nil
International	ISE	28	6.04
	ECE	9	4
	CIVIL	5	3.9
	CSE	35	4.8
	BSE	08	3.5

INSTITUTION LEVEL

Faculty Department Programme (FDP), Professional Development

Professional Development/Administrative Training Programs

Title of Professional Development/ Administrative Training Programs organized by the Institutions	Date
FDP On Recent Trends In Wireless Communications	24th July 2017
FDP On Iot And Embedded System	22nd to 27th Jan 2018
3-Day Faculty Development Program & Studentdevelopment Program On "Avenues On Research & Latex"	1st to 3rd Feb 2018
Technical Seminar On "Web Technologies And Its Applications"	27th July 2018
Faculty Development Programme On Enrepreneurship	13th to 17th Oct 2018
Technical Talk On "Orientation Program On Microsoft Certification "	23rd Oct 2018
Recent Research Methodologies In Additivemanufacturing	12th to 17th Nov 2018
ARIIA Awareness Program	12th Jan 2019
Academic Enrichment Program On Machine Learning And Python	21st to 23rd Jan 2019
5 Days FDP On Iot And MLWith R Language	28th Jan to 1st Feb 2019
Faculty Development Programme On "Information Security"	28th to 30th Jan 2019
AISHE Awareness Program	23rd Feb 2019

INSTITUTION LEVEL

Faculty Department Programme (FDP), Professional Development

An Awareness Program was organised by the IQAC on "ARIIA" on 12th Jan 2019.

An Awareness program was organised by the Institute on "AISHE" on 23rd Feb 2019.

An 3 day Workshop was organised by IQAC on "Outcome Based learning approach in Higher education." on 07th to 09th March 2019.

DEPARTMENT LEVEL

Conferences/Workshops/Publications/Patents/Awards/Other Events

Department of MBA

Students were taken to Garment Labor Union on 19th September 2018 as a part of their industrial study tour, on 19th Sep 2018.

Students were taken to Lumax Auto Technologies Limited as a part of their industrial study tour, on 28th Sep 2018.

An FDP was organised by Department on "Entrepreneurship" from 13th to 17th Oct 2018.

Students were taken to Akshaya Patra (ISKCON) as a part of their industrial study tour, on 6th Dec 2018.

Students were taken to IFB Automotive Pvt. Ltd. as a part of their industrial study tour, on 9th April 2019 .

Students were taken to Mother Dairy, KMF Yelahanka as a part of their industrial study tour, on 25th May 2019.

Dept, of MBA organized a workshop on Micro Analysis of Financial Statements by Dr. S Chandrashekar – Corporate Trainer 8th March 2019.

Dept, of MBA organized an Industry interaction on the emergence of Startup Ecosystem in India – new ways to engage millennials and wealth creation by Mr. Supriyo Guharoy, CEO – Indo Asian Group of Institutions on 16th May 2019.

The 'World Entrepreneurship Day' was celebrated on August 21st, 2018 to recognize and kindle the interest in students to think differently and optimistically to generate new ideas, create new products and deliver appreciated services. In the view of this the department participated in the WED celebrations embraced by the institution by organizing 'Business Quiz' which was hosted for Engineering students. The student coordinators Machaiah M P, Shobha V, Sharmila U & Monika M from 2nd year of 2017-19 batch actively volunteered in conducting the quiz.

INFUSION 2k19 - Management fest was conducted om – 23/03/2019.

INFUSION 2k19 is ACME's Inter-Collegiate Management fest which offers a rich platform for budding management students to discover and unleash their distinctive business and management capabilities.

INFUSION 2K19 got its fillip with the enterprising events renowned for its effectiveness in the domain of business - Best Manager, Business Quiz, Brand Charades and Elevator Pitch.

The department observes 'Freshers' Day' every year in which the senior batches coordinate among themselves in welcoming their junior batches to develop good rapport, bonding, belongingness and the joy of celebrating togetherness and oneness with each other. This year, this day was embarked on October 27th, 2018.a little bit of body text

DEPARTMENT LEVEL

Conferences/Workshops/Publications/Patents/Awards/Other Events
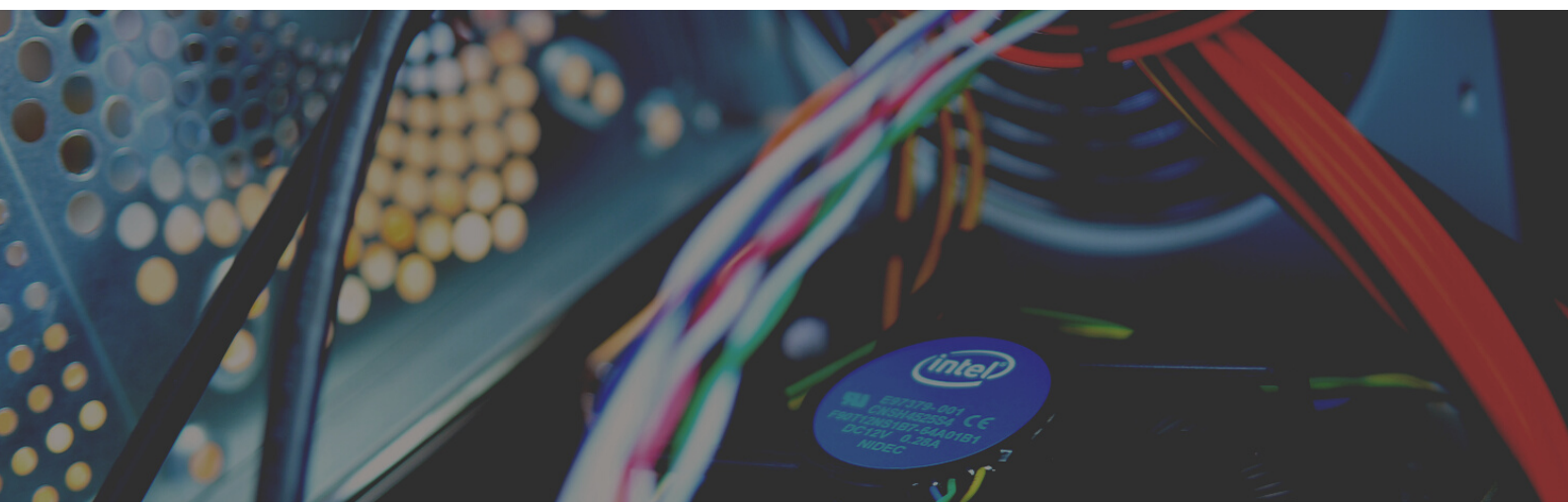
Department of ISE

Dept. of ISE conducted a technical Seminar on "Machine Learning" for faculty by Mr. Abhilash, Assistant Professor, Dept. of ISE on 25th July, 2018.

Dept. of ISE conducted a technical Seminar on " Web Technologies and its Applications" for faculty by Mrs. Sunitha D on 27th July, 2018.

Dept. of ISE conducted a technical Seminar on " Data Mining and WareHousing" for 3rd semester students by Mrs. Amuthabala K on 18th August, 2018.

Dept. of ISE conducted a technical Seminar on "Entrepreneur" for 5th semester students by Mr. Sanjay Shukla on 23rd August, 2018.

Dept. of ISE conducted a technical Seminar on "Machine Learning and its Applications" for 7th semester students by Mr. Sasi Kumar, MD, Logic Mind Techonologies, on 25th August, 2018
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Dept. of ISE encouraged students to be part of the open daywhich was held on 18th of May2018.. Around 31 groups participated in this competition. All these 31 projects
were belonging to the most trending technologies like Machine Learning, Internet of Things, Cloud Computing, Image Processing, Healthcare, Networking, etc
2 projects got prizes; The first prize project titled- "Monitoring Crowd Conditions using Mobile Consumer Devices" and the second prize to the project titled-"IoT Enabled Patient Assisting Device-MEDIBOX".

Dept. of ISE conducted a technical Seminar on Machine Learning- A walk through the basic concepts of ML by Mr. Sasi Kumar, for 7th semester students and faculty MD, Logic Mind Technologies, on 25th August 2018.

Dept. of ISE conducted a FDP on "Information Security" from 28th to 30th Jan 2019 and a workshop on "Web Development" for 6th sem students & faculty of ISE department by Mr. Hitesh, Fixx group of technologies, on 9-2-2019.

Dept. of ISE conducted a webinar on Technical Event-Datathon-19, Mr. Prajit Dhar, Former Research Assistant, FraunHofer IPA, Germany, for 4th, 6th and 8th sem & faculty of ISE department on 5th April 2019.

Dept. of ISE conducted a Technical Talk on " Orientation Program On Micro-soft Certification" for 5th semester students by Mr. Shubhajit Poddar, Senior Marketing Manager, Microsoft Imagine Academy on 23rd October, 2018.

Dept. of ISE conducted a Technical Seminar on "Global Education Awareness Program" for 5th semester students by Ms. Apurva Singh, assistant Business Development Manager, Manyagroup, on 26th October, 2018.

Dept. of ISE conducted a 2 days Workshop on "Robotics Process Automation" for 3rd semester students Prof. Rajendra, Atria Institute of Technology on 5th, 6th oct, and 28th , 29th October, 2018.

Dept. of ISE conducted a techtalk on "Software testing with Industry Perspectives" by Mr. Praveen M Herur , for 6th sem students & faculty of ISE department , on 13th April 2019.

Dept. of ISE conducted a technical Seminar on "Placement Training" for 7th semester students by Mr. Cholakala Sagar Vishwanath on 28th August, 2018.

Dept. of ISE conducted a technical Talk on " Pre Placement Training" for 5th semester students by Mr. Ishu Tiwari, Mr. Sujith S, Mr. Aditya Warrier on 20th September, 2018.

Dept. of ISE conducted a technical Talk on" Carrier Guidance" for 5th semester students by Mr. Anupam Dubey, Gate Academy on 20th October, 2018.

Dept. of ISE conducted a 2 days SDP on "IOT Applications" for 3rd semester students by Mr. Sufian Aslam, IOT COE, on 9th October, 2018

Dept. of ISE conducted a Technical Talk on " Orientation Program On Micro-soft Certification" for 5th semester students by Mr. Shubhajit Poddar, Senior Marketing Manager, Microsoft Imagine Academy on 23rd October, 2018.

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DEPARTMENT LEVEL

Conferences/Workshops/Publications/Patents/Awards/Other Events

Department of CSE

A 3-day workshop on 'Avenues on Research & Latex' for the final year students of CSE as well as for the faculty of various departments was organized by the Department of Computer Science & Engineering from the 1st to 3rd of February 2018.

Dept of CSE organized a Technical Talk on Building a career in IOT and ENTREPRENEURSHIP on 17th March 2018.From 10:30 AM To 12:30 PM Speakers were Mr. GURURAJ Entrepreneur & Mr. SUFIYAN topics of the session includes Problem solving skills, How important being an entrepreneur would be. Some important tips and tricks to keep in mind before we start up a company introduction on IOT , and specified how important the domain is going to be in the upcoming time.

Dept. of CSE conducted an Android Basic workshop on 17th March 2018. for the students of 4th semester CS1. Almost 20+ students attended the workshop. The duration :2 hour from 8:30 AM to 10:20 AM. The students got an introduction on Basics of android studio., OOP's in android, Android lifecycle, Android layouts, Audio Manager Class, Android OnClickListner example project.

Dept. of CSE conducted a Drupal workshop on 17th March 2018 On the 5th and 6th of March,2018. Dr.chandrashekhar B.H,Prof.vishal C. and Mr.kumarswamy K.S. from RV College of Engineering hosted a two day workshop on Content Management System using Drupal at Atria Institute of Technology. The purpose of the workshop was to give a solid introduction to Drupal 7 and teach the most essential features and concepts of Drupal through hands on activities. On the first day, students were guided through installation of Drupal 7 on Linux based systems. On the second day, how to create popular website elements like slideshows, event calendars and much more using modules and views.

Dept. of CSE : PMKVY - Pradhan mantri Kaushal Vikas Yojana Inauguration of pmkvy – ti, junior software developer course was coordinated by Prof. Rajendra of CS&E in the year 2017-18. the grant of Rs. 5 Lakhs was recived for this yojana for a period of 1 Year which is a MHRD Government proposal.

Dept. of CSE conducted a ROAD SAFETY program BY MASH FOUNDATION, The talk was held on 22nd March 2018 from 10:30 AM to 1:30PM @Seminar hall for the students of 4th sem CSE the event was conducted by Samaiirah from Msh foundations. They included a lot of activities and made the session very interesting. All the activities promoted road safety and made us aware ofilleffects of not following rules and regulations on road. Videos on road safety was also shown.

Dept. of CSE conducted an IOT & AI Talk, on 22nd March 2018 from 10:30 AM to 1:30PM @Seminar hall fMr. Sufiyan was the speaker who shared his journey into IOT. Gave us a reason on why local meetups and communities ae very important. A serious on conversation on AI, ML was conducted where Students exchanged their view on the future of ai and how they perceive it.AI assistants like Amazon's ALEXA, Apple's SIRI, Google's GOOGLE ASSISTANT was discussed.

Dept. of CSE, on 23rd March 2018, had been to an industry named ISM UNIV-Embedded Systems Training Institute located at JedaraHalli ,Rajajinagar, Bangalore-560010. We had been to ISM to have a brief on INTERNET OF THINGS.

The speaker divided his session into 3 parts:

- Firstly,introduction on IOT.
- Second he spoke why iot is growing so fast and where is it being implemented.
- Thirdly,talk on iot's future.

Dept. of CSE conducted a Jobgig workshop on the 6th of April 2018. The objective of the workshop was to recognize the elements of a successful interview and Demonstrate the interviewing skills.

Once a student has his or her foot in the door with an appropriate resume and cover letter, it is important for that student to know how to prepare for the interview and what to do during the interview process. It is especially important that the student practice being interviewed beforehand.

Dept. of CSE, organised Academic Enrichment Program on Machine Learning and Python" from 21st to 23rd Jan 2019. On the 6th of April, conducted a women empowerment programme by AnitaB.org .It was divided into two sessions: a technical session and a soft skills development session. The technical session, primarily focused on Web Development. The speaker, Swetha Sivaram, Senior Engineering Manager, IBM Systems Development Lab, India.

The second session, which was conducted focused on soft skills development.

Dept. of CSE, On the 6th of April, conducted CHRYSALIS 2K18, on 23rd of May, 2018. Through this event students have got a huge exposure and are awarded with many opportunities to take this talent and skill to a higher level.

DEPARTMENT LEVEL

Conferences/Workshops/Publications/Patents/Awards/Other Events

Department of ECE

Dept. of ECE organized a Workshop on IoT, Python and Data Analytics Sufian Kaki Aslam & team 18-24 July 2018.

Dept. of ECE under Ms. Sundari Tribhuvanam got a VGST project worth Rs. 10,00,000 named Advancement of Signal Processing Laboratory – "Air borne Recognition System in ECE Dept." in the year 2018-19.

Dept. of ECE under Ms. Sampada HK got a KSCST project worth Rs. 5000 named Smart Navigation Device in the year 2018-19.
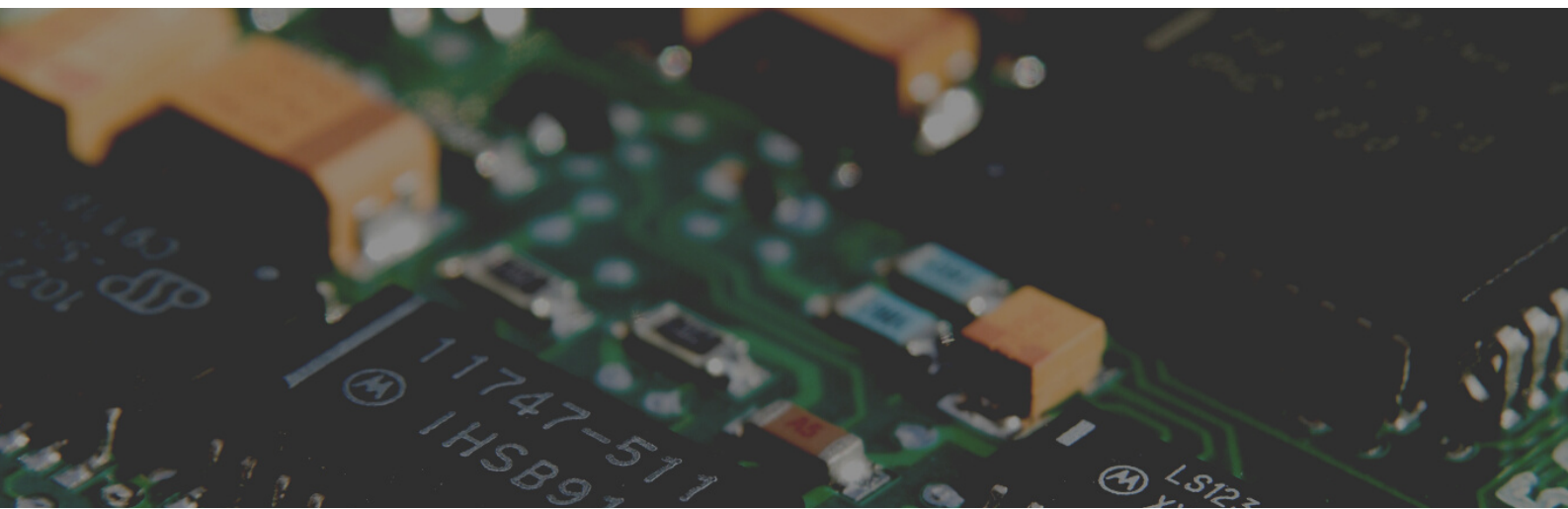
The following research development laboratories were formed in the year 2018:
- IoT Lab
- VLSI Lab

Dept. of ECE organized a 5 day Workshop on IoT, Python and Data Analytics by Prof. Sufian Kaki Aslam from 18-24 July 2018.

Dept. of ECE organized a Workshop on RTOS and Machine Learning in the Edge Devices by Prof. Sufian Kaki Aslam from 14th Jan- 19Th Jan 2019.

Dept. of ECE organized a 5 Days FDP on IOT and ML with R Langauage from 28th Jan to 1st Feb 2019, A FDP on "IOT and Embedded Systems" from 22nd to 27th Jan 2018 and a Workshop on Analog and Digital IC Design flow using Mentor Graphics Tool by Dr. Ipshita, Prof. Rakhi, Mr. Vijendra from CoreEL Technologies Ltd. from 19th & 20th Sept., 3rd Oct 2018.

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Dept. of ECE organized Seminar on "Recent Scopes and trends in VLSI" on 10.09.2019.

Dept. of ECE organized Workshop on "Mentor Graphics tools" from 10.10.2018 to 12.10.2018.

Dept. of ECE organized Workshop on "ADE in EVERYDAY" from 24-9-18 to 29-9-2018.

Dept. of ECE organized a Technical talk on "Industrial Automation & Robotics" on 5-9-2018.

Dept. of ECE organized a FDP on "Mentor Graphics Tools" on 19-9-2018.

Dept. of ECE organized a SDP on "Bridge programme in MATLAB 2018A from 3/10/2018to 5/10/2018.

Dept. of ECE organized a Hands on Workshop on "Applications of Verilog beyond curriculum" from 5/11/2018to 7/11/2018.

Dept. of ECE organized a Technical Talk on "Chips-Redefined" on 19/11/2018.

Dept. of ECE organized a Technical Talk on "Chips-Redefined" 19/11/2018.

Dept. of ECE organized an SDP on "Principle and Practices of PML" from 11.2. 19 to 12.9.2019.

Dept. of ECE organized an SDP on "Computer Network Simulator" from 14.3.2019 to 15.3.2019.

Dept. of ECE organized an FDP on "RTOS & ML in the Edge devices" from 14.01. 19 to 19.01. 19.

Dept. of ECE organized an FDP on "VLSI Design Flow using Xilinks Vivado" from 28.01.2019to29.01. 19.

Dept. of ECE organized SDP on "Aptitude for Industry" on 18-02.19.

DEPARTMENT LEVEL

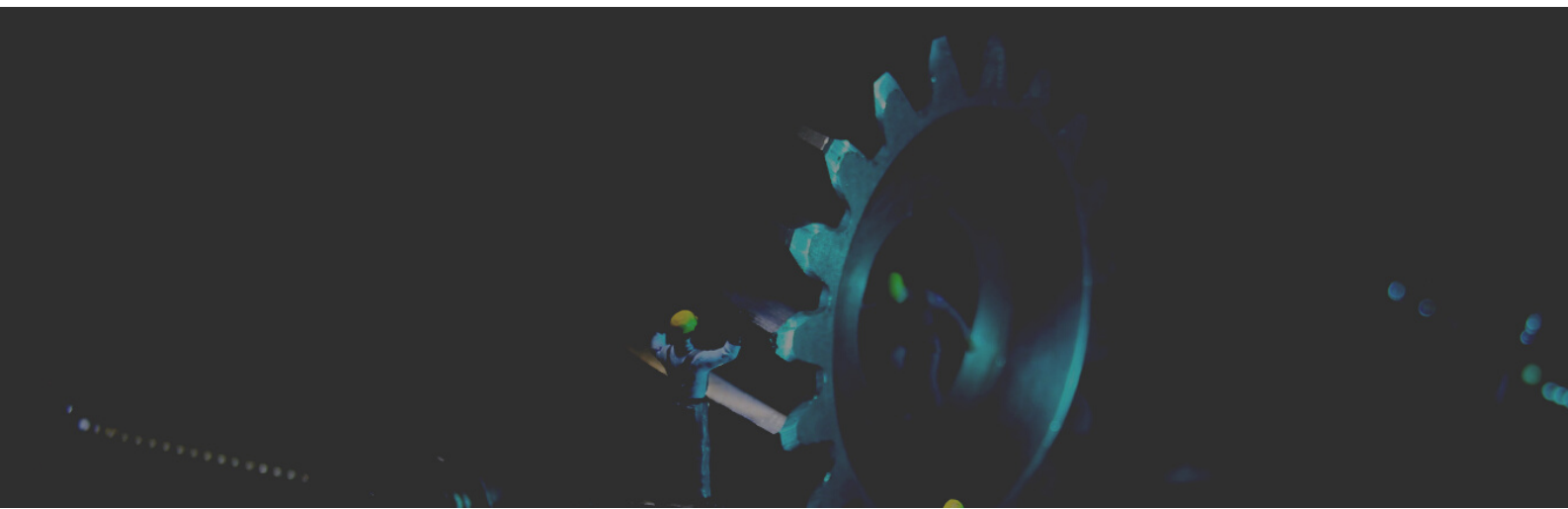Conferences/Workshops/Publications/Patents/Awards/Other Events

Department of ME

Dept. of ME organized a technical seminar on Advances in IC engines - Gasoline Direct Injection by Dr. TK Chandrasekhar 05-04-2018 on 05-04-2018.

A Technical Workshop was organised by the department "Recent Research Methodologies in Additive manufacturing from 12th to 17th Nov 2018.

Vinayprasad Hegde , Gagan Rao ,Yatish M ,Tejasvi C ,Harshavardhan S Students participated in Event "CMTI hackathon on Precision engineering" held at Central Manufacturing Technology Institute Bengaluru.

Vinayprasad Hegde ,Sumanth K ,Harshavardhan S ,Tejasvi C students presentated an 'Musical instrument made from scrap metal 'organized by Indian Science Congress

DEPARTMENT LEVEL

Conferences/Workshops/Publications/Patents/Awards/Other Events

Department of CE

Dept. of CE organized a Technical talk on Industry Readiness by Mr. Premjith P V MD, Design dimensions 13 Oct 2018.

Dept. of CE students took part in the Student project Programme organised by Karnataka State Council for Science and Technology. The event was held at KLE Society's Dr M S Sheshgiri College of Engineering and Technology on 26th and 27th July 2019. Students Mr. Ranjith D S, Mr. Sai Kiran B A, Mr. Shrenik S and Mr. Sarvana Vel R completed a projected entitled Improving Indoor Thermal Efficiency Through Utilizing Wastes by Passive techniques under the guidance of Prof. Abhilash B L.

The student project also received Rs.6000/- from the KSCST as grants for the same Project.

Mr Raju J of Department of CE attended and completed the Workshop on New Model Curriculum for the First Year BE/BTech CBCS Detailed Syllabus 2018-2019

Mr Raju J of Department of CE participated in the Workshop on Analysis and Design of RC and Pres Stressed Concrete Bridges using MIDAS CIVIL Software organised by the Department of Civil Engineering, PES University, Bengaluru on 25th and 27th July 2018.

Prof Sachin K G of Dept. of CE participated and completed the FDP in Entrepreneurship conducted from 13th to 17th October 2018 by the Entrepreneurship Development Institute of India. The event was held in association with Atria Institute of Technology.

1.Ms. Priyankashri K N & Prof. Surendra H J from Dept of CE has Published a paper "Feasibility study of a new approach to removal of nitrates from groundwater by Biological Denitrification" in International Journal of Advanced Engineering Research and Science (IJARS) by Dept of Civil Engineering, Sri Krishna Institute of Technology, Bangalore.

1.Mr. Rahul Dandautiya and Mr. Ajit Pratap Singh from Dept of CE has Published a paper "Life-Cycle Assessment of Production of Concrete Using Copper Tailings and Fly Ash as a Partial Replacement of Cement" in Springer Nature Singapore Pte Ltd. 2020 by A. P. Singh Department of Civil Engineering, Birla Institute of Technology and Science Pilani.
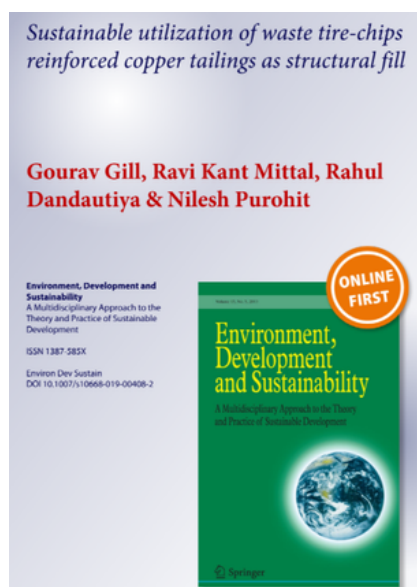
Mr. Rahul Dandautiya and Mr. Ajit Pratap Singh and Mr. Sanghamitra Kundu from Dept of CE has Published a paper "Impact assessment of fly ash on ground water quality: An experimental study using batch leaching tests" in Waste Management and Research Department of Civil Engineering, Birla Institute of Technology and Science Pilani.

Dept of CE, Organized a "Technical talk on Industry Readiness" By Mr. Premjith P V, Design dimensions Bangalore Held on 13th October 2018 guest of President, Sri. Kushik Raju, Honorable Chairman, Atria Institute of Technology, Bangalore.

1.Mr. Siddalingeshwara D H & Mr. Buden Sab I from Dept of CE Jain Institute of Technology, Davanagere has Published a paper "Replacement of Course and Fine Aggregates in Concrete by using Mangalore Tile Wastage and Iron Ore Slag" in International Research Journal of Engineering and Technology (IRJET).

1.Hema H C1, H J Surendra2, Nagasahadevareddy K from Dept of CE has Published a paper "Analysis and Assessment of Solid Waste Management through Field Approach" in International Journal of Advanced Engineering Research and Science (IJARS).

Gourav Gill, Mr. Ravi Kant Mittal, Mr. Rahul Dandautiya, Mr. Nilesh Purohit from Dept of CE has Published a paper "Sustainable utilization of waste tire-chips reinforced copper tailings as structural fll" in Springer Nature Singapore Pte Ltd. Department of Civil Engineering, Pilani Campus, BITS, Pilani.

Sustainable utilization of waste tire-chips reinforced copper tailings as structural fill

Gourav Gill, Ravi Kant Mittal, Rahul Dandautiya & Nilesh Purohit

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ATRIA INSTITUTE OF TECHNOLOGY

ATRIA
INSTITUTE OF TECHNOLOGY

VISION

To develop competent professionals with strong fundamentals in Information Science and Engineering, interdisciplinary research and ethical values for the betterment of the society.

MISSION

M1 - To establish a transformational learning ambience with good infrastructure facilities to impart knowledge and the necessary skill set to produce competent professionals.

M2 - To create a new generation of engineers who excel in their career with leadership/entrepreneur qualities.

M3 - To promote sustained research and innovation with an emphasis on ethical values.
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