DETAILED REPORT OF WORKSHOPS IN CSE DEPARTMENT

2021-22

Full Stack Web Development Workshop

Organized By CSE Department

Oct 18th to 22nd 2022

Full Stack Web Development Workshop was conducted from 18th Oct 2022 to 22nd Oct 2022 for the 5th semester students of batch 2020. Students were given complete insight and hands on various technologies like HTML, CSS, JavaScript, Perl and MongoDB by Professors of CSE Department.

The Workshop received a lot of positive feedback from students.Microsoft Teams was the platform used and the session links were shared every morning and feedback link was shared on end of each session.Workshop materials were uploaded to drive and were shared to students.

Coordinators   HoD

S Mamatha Jajur, Asst Prof, CSE Dept.   Dr. Kiran P

Soumya N G, Asst Prof, CSE Dept.

Summary on EDC events

Introduction:

The RNS Institute of Technology (RNIST), Bangalore was established in the year 2001. The institute is affiliated to Visvesvaraya Technological University, Belagavi and has approval from AICTE. The college offers UG programmes -CSE, ECE, ISE, EIE and EEE.RNSIT is the brainchild of the Group Chairman, Dr. R. N. Shetty. The institution was founded with a sole purpose of imparting quality education in Engineering Technology and Management with a difference. RNSIT is a place where you get knowledge, friends for life memories and a bright career.

Entrepreneurship development cell:

Entrepreneurship is a source of innovation, job creation and economic growth, as such it is pivotal to attract the young and the educated to become entrepreneurs. Undergraduates are an important source of nascent entrepreneurs in the future and consequently it is interesting to explore their intention for opportunity éntrepreneurship. The Entrepreneurship development cell(EDC) is dedicated to helping students foster their ideas, as well as educate them on what it takes to start a business of their own. The mission of our organization is to provide our members with opportunities for leaming and experience in entrepreneurship. The significance of values such as hard work, risk taking, organization, and self-determination will be reinforced from our promotion of entrepreneurship within our college and community.

RNST

RNS INSTITUTE OF TECHNOLOGY

ENTREPRENEURSHIP

DEVELOPMENT CELL

Ches Competition 6/12/21 Essay Competition 7/12/21

ldeathon 7/12/21

Quiz 8/12/21 Poster Design Competition 9/12/21

Debate 10/12/21

Treasure Hunt 11 /12/21 Onwards

Follow us on Contact for more info

Anant Dubey:

91 90037 52155

The idea behind our EDC is to produce at least one entrepreneur every year from RNSIT.

Outcomes on EDC events

The Entrepreneurship development cell{EDC) is dedicated to helping students foster their ideas, as well as educate them on what it takes to start a business of their own.

The main objective of the entrepreneurship development cell is to foster the creation and development of new businesses by students. In order to meet this objective, the club planned activities and events were held successfully

The chess competition was held on 6 December 2021 from 30.30 pm to 4.30 pm and there were many active participants who competed with each other. And prizes up to worth 1000/INR were given..

Debate was held on 10" December, 2021 from 3.30 pm, the topics were based on Entrepreneurship development and a healthy session went on. Students acquired a lot of knowledge on entrepreneurship development. Students could face the crowd without fear and confidence.Quiz was based on finances and entrepreneurs of the world. This made everyone discover the history of entrepreneurship.

A good poster can connect your company to the hearts and minds of customers with emotive visual imagery demanding attention. Innovative posters were designed by the participants.

Essay writing provides a road map for these ideas to reach the public more efficiently. So the students were able to effectively communicate, focus and learn.

There were two rounds on ideathon 1 round a group of 2-4 students came forward with their ideas and explained them clearly and in an innovative way. Questions were asked regarding their idea,students confidently answered and made this event a big success.

RNSIT EDC hosted a panel discussion on 1lth December 2021on the topic "How to start a Successful startup?" The objective of this discussion was fulfilled which was to understand the opportunities and challenges that young entrepreneurs face in business, how they managed these challenges and the lessons learnt from these experiences.

These events made students gain many skills like ability to learn, understanding skills, strategic thinking and time management.

FACULTY DEVELOPMENT PROGRAM ARTIFICIAL INTELLLIGENCE AND MACHINE LEARNING

JOINTLY ORGANISED BY DEPT. OF CSE, ISE, MCA, AI & ML

SEPT 29 – 30, OCT-1 2021

FDP Summary:

A series of 9-day workshop was initiated under the guidance of our beloved Principal, Dr. M K Venkatesha, and Dr. Suresh L, Head of ISE Department, Dr. Kiran P, Head of CSE Department, Dr. N P Kavya, Head of MCA Department, and Dr. Harsha S, Head of AIML Department, which began with Internet of things from 22nd Sept to 24th Sept, Data analytics using Python from 25th sept to 28th sept and followed by Artificial Intelligence and Machine Learning from 29th sept to 1st Oct.

The program was well planned. The program objectives were designed and take away for the participants as the program outcome was listed out. A broucher was designed for the 3-day faculty development program on Artificial Intelligence & Machine Learning and circulated to of various engineering colleges. A total of 55 participant's registration was done through Google form and online payment for the FDP from various colleges. The confirmation mail was sent to the registered participant's consisting of FDP inaugural invitation with Microsoft Teams session link and program schedule. The registered participants were engaged in a special WhatsApp group and by email.

Seven experts were invited as a resource person including both in-house and external speakers for this faculty development program to share their knowledge and experience on this AI&ML topic. The inauguration was scheduled on 29th August 2021 at 9:00 am using Microsoft Teams Online Platform.

Inauguration:

The inaugural function was started at 9:00AM hosted by Ms. Chandan Rani S R, Asst. Prof., Dept. of ISE and Ms. Poonam Kumari, Asst. Prof., Dept. of ISE. They invited Ms. Kavyashree K, Asst. Prof., Dept. of ISE to render the invocation song as a mark to seek blessings from the almighty. Dr. Harsha S, AI&ML HOD, welcomed the gathering,

and all members present for the inaugural function along with all the online participants for the 03 - day's FDP on Artificial Intelligence and Machine Learning. Dr. Suresh L, Professor and Head of ISE briefed about the insights of 03-days AI&ML FDP program and it's Schedule. Dr. N P Kavya introduced chief guest and Keynote speaker Dr. Ambika D R to the gathering. Presidential address was given by our beloved Principal, Dr. M K Venkatesha and he shared his valuable insights on the topic and he suggested the participants to participate actively in all the sessions and to acquire maximum knowledge from the 3-Day FDP. Vote of Thanks was rendered by Dr. Kiran P, Professor and Head of CSE.

Keynote Address and Day-1 sessions:

The keynote speaker for the opening day of AI&ML FDP was Dr. Ambika D R, Principal Product Manager, AI, Zycus Infotech Pvt ltd. She gave an insight on artificial intelligence along with its current trends and applications. Followed by session-1 on insights of Concept Learning: Find-S algorithm, Version space, Candidate Elimination algorithm was handled by Ms. Poonam Kumari, Asst. Prof., Dept. of ISE. After lunch break, Day-1 Session-2 began with explanation of concepts related to A* Algorithm, AO* Algorithm, Locally weighted regression algorithms followed by Hands-on Exercises of Lab programs 1,2 & 9 was handled by Ms. Rashmi M, Asst. Prof., Dept. of CSE, RNSIT and Dr. Girijamma H A, Professor, Dept. of CSE, RNSIT together.

Day-2 sessions:

Second day Session-1 was on Decision Tree its Introduction, algorithm, representation, ID3 algorithm handled by Rashmi M, Asst. Prof., Dept. of CSE, RNSIT. Session 2 was on Artificial Neural Network: Introduction, representation, appropriate problems, Perceptron's, Back propagation algorithm handled by Ms. Kusuma R, Asst. Prof., Dept. of ISE. After tea break Session-3 began on Bayesian Learning: Bayes theorem, Naive Bayes classifier by Dr. Girijamma H A, Professor, Dept. of CSE, RNSIT. Afternoon session- 4 began with explanation of concepts related to Candidate Elimination Algorithm, ID3 Algorithm, ANN-Backpropagation algorithms followed by Hands-on Exercises of Lab programs 3, 4 & 5 was handled by Ms. Poonam Kumari, Asst. Prof., Dept. of ISE, RNSIT and Dr. Girijamma H A, Professor, Dept. of CSE,

RNSIT together.

Day-3 sessions:

Third day Session-1 Bayesian Learning: Bayesian belief networks, EM algorithm were handled by Dr. Girijamma H A, Professor, Dept. of CSE, RNSIT. Session 2 was held on Instance-Base Learning: K-NN Learning, Case-Based reasoning by Dr. N P Kavya, Professor and HoD, Dept. of MCA. After tea break Session-3 was held on Reinforcement Learning: Introduction, The learning task, Q-Learning by Ms. Geeta P, Asst. Professor, Dept. of CSE, CIT. Afternoon session- 4 began with explanation of concepts related to Naïve Bayesian Classifier, K-Means Algorithm, EM Algorithm, KNN Algorithm, and followed by Hands-on Exercises on Lab programs 6,7 & 8 was handled by Ms Kusuma R, Asst. Prof., Dept. of ISE, RNSIT and Dr. Girijamma H A, Professor, Dept. of CSE, RNSIT together. After each session by session speaker feedback link was shared to participants to provide feedback. Overall Feedback link was shared on third day to provide feedback.

Valedictory:

Immediately after last session of FDP it was followed by valedictory. Dr. Satish Kumar S, Dept.of ISE, highlighted planning and successful conduction of FDP. Dr. Girijamma H A, Professor, Dept. of CSE, RNSIT shared her overall experience in handling various theory and lab sessions in FDP. Dr. Suresh L, Professor and HOD, Dept.of ISE, RNSIT thanked the management, principal, other HoDs for the support in conduction of this FDP, and also delivered a vote of appreciation at valedictory to all the resource persons with a memento and E-certificate and thanked the participants from various colleges who actively participated in this FDP.

The FDP received a lot of positive feedback from faculty members of various colleges and universities in India. Mr. Manjunath kamath from Canara College of engineering expressed that FDP provided useful insight on the artificial intelligence and machine learning for the faculty members who are trying to handle newly and hands on session with to lab programs was very beneficiary, also thanked all the resources persons.

There were 55 enthusiastic participants in total, who took part in the 3-day online FDP. FDP materials were uploaded to drive and drive links were shared through email and

whatsapp group. 55 E-certificates were awarded to all registered participants by email. Finally, the FDP was concluded with a group photo.

FACULTY DEVELOPMENT PROGRAM DATA ANALYTICS USING PYTHON

JOINTLY ORGANISED BY DEPT. OF CSE, ISE, MCA, AI & ML

SEPT 25 – 28, 2021

Data Analytics using Python is a 3-day online Faculty Development Program that was organized from Sep 25 – 28, 2021. Ten expert speakers were invited as a resource speaker for this faculty development program to share their knowledge and experience on this topic. The keynote speaker for the opening day session was Mr. Shreyas Hegde, Principal Engineer, Wissen Technology. He was an Alumni of our college and has over 8 years of experience in Data Analytics. He spoke the insights of current trends and applications of Data Analytics. Followed by Dr. Bhavanishankar K, Associate Professor, Dept. of CSE, RNSIT spoke about Essential Python libraries for Data Science. He gave a detailed lecture on Python packages like NumPy, Matplotlib, SciPy etc., The afternoon session was handled by Mrs. Roopa H M, Assistant professor, Dept. of MCA, RNSIT who gave a wonderful hands-on session on Python programs. The first session of second day was engaged by Dr. P. Kiran, Professor and HOD, Dept. of CSE, RNSIT on Data Preprocessing and Wrangling that included topics like cleaning data with Python, stripping out extraneous information, normalizing, formatting data, combining and merging datasets etc., Next session was handled by Mrs. Kusuma S, Assistant Professor, Dept. of ISE, RNSIT on Web Scraping – Data Acquisition by scraping web application followed by another session by Dr. Sudhamani M J, Associate Professor, Dept. of CSE, RNSIT on Data Visualization. She explained the concepts like Seaborn – python package, Time series analysis with Pandas. The afternoon session began with a hands-on exercise by Mrs. Roopa H M. The third day speaker was Dr. Harsha S, Professor and HOD, Dept. of AI&ML, RNSIT gave a perception on Regression Techniques and Analysis – Linear and Logistic Regression model. Further, Case Study on COVID19 data Analysis and Color Detection was done by Mrs. Sampada K S, Assistant Professor, Dept. of CSE, RNSIT and Mrs. Heerah D, Assistant Professor, Dept. of CSE, RNSIT respectively. These sessions included varied topics in the domain of

Data Analytics where an exposure to latest techniques and various libraries of data science in Python with hands-on was delivered.

Dr. M K Venkatesha, Principal, RNSIT delivered the opening remarks; he shared his valuable insights on the topic and motivated the audience for their active participation. Dr. Harsha S, Professor and HOD, Dept. of AI&ML, RNSIT welcomed the keynote speaker Mr. Shreyas Hegde. Dr. Kavya N P, Professor and HOD, Dept. of MCA, RNSIT welcomed all the resource person of this FDP. Dr. P. Kiran, Professor and HOD, Dept. of CSE, RNSIT delivered closing remark; he highlighted the importance and relevance of the topic in the current scenario. Dr. Suresh L, Professor and HOD, Dept. of ISE, RNSIT delivered a vote of appreciation at valedictory to all the resource persons and the participants of this FDP.

The FDP received a lot of positive feedback from faculty members of various colleges and universities in India. There were 85 enthusiastic participants in total, who took part in the 3-day online FDP. Each session was of 60 to 90 minutes and included open questions & answer session. Microsoft Teams was the platform used and the session links were shared every morning and feedback link was shared on the third day. The registered participants were engaged in a special WhatsApp group and by email. FDP materials were uploaded to drive and was shared through email.

85 E-certificates were awarded to all registered participants by email.

Faculty Development Program on "IOT Applications Using Python"

Organized by Dept. of CSE, ISE, MCA, AI & ML

September 22-24, 2021,

Mode: Online

IOT Applications using Python is a 3-day online Faculty Development Program that was organized from Sep 22– 24, 2021. Five expert In-House speakers were invited as a resource speaker for this faculty development program to share their knowledge and experience on this topic. The keynote speaker for the opening day session was Mr. VadiRaj Acharya, Founder ByteStorm, Bengaluru. He spoke the insights of current trends and applications of IOT applications. Followed by Ms. Rajatha S, Assistant Professor, Dept of MCA, RNSIT spoke about Introduction of Raspberry Pi, Gpio Pins, Python Programming. She gave a detailed lecture on Introduction to raspberry pi,History of raspberry Pi,Rasberry Operating system,Rasberry Pi Models, Comparison features of raspberry Pi,Getting started with raspberry Pi,Rasberry Pi Imager, Rasberry Pi with Python. The afternoon session was handled by Ms.Shwetha G N, Assistant professor, Dept. of MCA, RNSIT who gave a wonderful hands-on session on demonstration of various components like LED, Switches/Button. The first session of second day was engaged by Ms.Chethana, Assistant Professor , Dept. of CSE, RNSIT on Securing IOT Apllications that included topics like security threats, challenges in providing security and solution,security architectures-OCTAVE and FLAIR.D .etc. Discussed about major attacks till today. Next session was handled by Mr. Karthik S Chouri, Assistant Professor, Dept. of MCA, RNSIT on IOT Network Layer which explained the differences on IPV4 AND IPV6 and building blocks of IOT system and constrained networks and optimization of IP for IOT, briefed about 6LoWPAN. – Interfacing sensor with raspberry Pi followed by another session by Ms. Shwetha G N, Assistant Professor, and Ms. Rajatha S, Dept.of MCA, RNSIT. She explained the concepts like Raspberry Pi is connected with various sensors like pir sensor, dht11 sensor, gas sensor etc. and also explained the lab programs on Web camera module, PIR sensor. The afternoon session began with a hands-on exercise by Ms. Rajatha S and Ms.Shwetha G N on building web applications using Flask Framework. The third day speaker was Ms.Manjula, Assistant Professor, Dept. of CSE, RNSIT gave a perception on Arduino Board–discussed about Arduino UNO, application of Arduino, pin

diagram and explanation of program structure and sample programs. . Further, Interfacing sensor on Arduino Board, DHT11, LED BUZZER was done by Ms. Shwetha G N and Ms.Rajatha S, Assistant Professors, Dept. of MCA, RNSIT respectively. These sessions included varied topics in the domain of Arduino Board where an exposure to latest techniques and various libraries of IOT in Python with hands-on was delivered.

Dr. M K Venkatesha, Principal, RNSIT delivered the opening remarks and presidential address; he shared his valuable insights on the topic and motivated the audience for their active participation. Dr. Suresh L, Professor and HOD, Dept. of ISE, RNSIT welcomed the keynote speaker Mr.VadiRaja Acharya, Founder ByteStorm, Member of FSMK, Bengaluru. Dr. Kavya N P, Professor and HOD, Dept. of MCA, RNSIT welcomed all the resource person of this FDP and gave the overview of IOT –FDP 2021. Dr. P. Kiran, Professor and HOD, Dept. of CSE, RNSIT gave introduction to keynote speaker and Dr.Harsha S ,HoD, Dept of AI & ML gave vote of Thanks closing remark; Prof. Vishwanath V Murthy gave a concluding remark, vote of appreciation at valedictory to all the resource persons and the participants of this FDP.

The FDP received a lot of positive feedback from faculty members of various colleges and universities in India. There were 55 enthusiastic participants in total, who took part in the 3-day online FDP. Each session was of 60 to 120 minutes and included open questions & answer session. Microsoft Teams was the platform used and the session links were shared every morning and feedback link was shared on the third day. The registered participants were engaged in a special WhatsApp group and by email. FDP materials were uploaded to drive and was shared through email.

55 E-certificates were awarded to all registered participants by email.

Introduction to Machine Learning Report

The department of Computer Science and Engineering organized a 2-Day workshop on

Introduction to Machine Learning . Around 220 students of Computer Science took the benefit of the workshop.The Speaker Anubhav Sinha had great knowledge and experience int the

field.Workshop was conducted in online mode through Microsoft Teams.

Objective:

✓ To dissipate awareness about basics of Machine Learning.

Students were very happy in learning the new area with gaining tremendous knowledge

and successfully completed with good feedback

Introduction to machine learning

Explore ML series

SEP 6-7th 2021

5-7pm

Full Stack Web Development Workshop
Organized By CSE Department
Aug 23 – 4 Sept, 2021

2 weeks"Full Stack Web Development"workshop was conducted for the benefit of 4th semester students from 23st August 2021to 4thSeptember 2021 in on-line mode using Microsoft teams.The objective of the workshop :

 Give an insight on creation of web pages.

Make use of different new technologies to connect back end and front end Students were given complete insight and practical approach to various technologies like HTML, CSS, Advanced CSS,JavaScript, Perl, MongoDB and Flutter by Professors of CSEDepartment and Industry experts.

The detailed schedule of the workshop is as follows:

Date Speaker Topic

23rd and 24th Aug Prof. Shrinivas Biradhar HTML

25th and 26th Aug Prof. Soumya N G CSS

27th and 28th Aug Prof. Anjan Kumar JavaScript and Perl

30th and 31st Aug Prof. S Mamatha Jajur Database and MongoDB

2nd Sept Mr. Akshay H R Flutter

7th Sept Hackathon

The Workshop received positive feedback from lot of students. Quiz was conducted for each session.Workshop materials were shared to students. E-certificates were awarded to all participants.

Coordinators   HOD-CSE

S Mamatha Jajur, Asst Prof, CSE Dept.   Dr. Kiran P

Soumya N G, Asst Prof, CSE Dept

DETAILED REPORT OF REPORT OF WORKSHOPH IN CSE DEPARTMENT 2020-2021

Report on NCCT-ICT 2021: National Conference on Contemporary Trends in Information & Computing Technologies 2021(Online/Virtual Conference)

NCCT-ICT 2021, a National conference jointly organised by the Department of Computer Science and Engineering, Department of Information Science and Engineering, Department of Artificial Intelligence and Machine Learning and Master of Computer Applications is a conference happening every year. The first NCCT-ICT was held on 8th July 2021 with the objective to create a platform for sharing knowledge, collaboration, and relationship among students and encourage them to work together for better outcomes.

Higher education institutes are engaged in more than just knowledge transfer from teachers to students in this age of knowledge. They are also involved in knowledge assimilation, creation and dissemination. The primary goal of this conference is to bring together experts, students and innovators from academia in related fields and provide a platform for them to learn about what is going on, in the research world. The conference also aims to spark young graduates interest to pursue research as a career. The conference will aid in the facilitation and promotion of interdisciplinary research among students across various disciplines.

During COVID-19 pandemic situation, the virtual conference allows remote participants to access live onsite sessions and events from their computers even on the other side of the college campus. Virtual conference is hosted entirely over the Internet; participants have no need to get together in a conference room. It was a successful venture since pandemic situation did not stop the research minds to think innovatively and shared their ideas.

The conference themed around trending streams like Artificial Intelligence and its Applications, Data Science, Machine Learning & Deep Learning, Computer Vision & Augmented Reality-Virtual Reality, Cyber Security, High Performance Computing, IoT & Cloud Computing, Natural Language Processing, Software Engineering & Architecture, Wireless & Mobile Networks, Business Intelligence etc., Initial design brochers and website design was done by our faculties. The conference had received 136 research papers from all over the country, out of which 87 shortlisted papers were accepted for presentation and publications. Acceptance ratio is 81%.

Research papers received were from various prestigious institutions like RVCE, DBIT, CIT,

JSSATE and GAT. There were papers from all over the country from various universities like VTU, Jain University, Christ University, Srinivasa University, Dayanand Sagar University,Mysore University etc.,

The conference was inaugurated on July 08th, 2021 by Honourable Principal Dr. M K Venkatesha and all Heads of the organizing departments, followed by keynote address on "Impact of AI on our life" by Dr. Jay B Simha, Chief Technology Officer, Abiba systems Pvt. Ltd., Bangalore.The 6 parallel technical paper presentation sessions held between 11 am to 1 pm. The post Lunch 5 parallel technical paper presentation sessions held between 1.30 pm to 3.30 pm.

Distinguish professors from various prestigious institutions chaired the session online using Google Meet application with the active cooperation of internal session chairs and faculty coordinators.The national conference was concluded with a Valedictory function. The Best paper awards were distributed to excellent performers across various streams along with acknowledging the efforts of all coordinators and delegates.

Introduction to Python Basics

The department of Computer Science and Engineering initiated workshop from 17th June to 18th June 2021 p on Introduction to Python Basics aiming at providing students a gist of knowledge on identifying current programming approach. The speakers Arya Adesh, Anubhav Sinha had a tremendous knowledge in the mentioned field. The mode of conduction was online using Microsoft Teams Platform. Around 320 Students were benefited through this workshop.

Objective:

✓ To dissipate awareness on Python Basics.

✓ Apply it in projects and gain more knowledge

Students were very happy in learning the new approach with gaining tremendous knowledge.

Students successfully completed with good feedback .

Introduction to python basics
Explore ML series
2021 June 17th-18th
Timings:6pm-8pm

A Five-day Workshop on Machine Learning and Artificial Intelligence

The department of Computer Science and Engineering organized a 5-Day workshop on Machine Learning and Artificial Intelligence from 14th June to 18th June 2021. Around 120 students of Computer Science took the benefit of the workshop. The Speaker Mr.Delton Myalil Antony,Researcher, Research and Innovation Labs had great knowledge and experience in the field.

Workshop was conducted in online mode through Microsoft Teams.

Objective:

✔ To dissipate awareness about basics of Machine Learning and Artificial Intelligence..

Students were very happy in learning the new area with gaining tremendous knowledge and successfully completed with good feedback .

2021 June 14th-18th

4-5pm

Mr.Delton Myalil Antony

Researcher

TCS innovation and research labs

Department of Computer science and Engineering in association with Computer Society of India

Jointly Organize TechInt Program

First year Students

TechInt program was initiated for the students of first year 2020 batch. Around 185 Students from Computer Science, Information Science and Artificial Intelligence took part in this program. The TechInt program was scheduled for two weeks from 2nd june 2021 to 16th june 2021 for a duration of one hour from 4pm to 5pm.Professors from Computer Science department were the session speakers who provided the students with knowledge of different areas of technology. The intention of the program was to introduce students with the trending technologies and was successfully completed with a very good feedback from students.

Program Schedule: Timings: 4 to 5 pm

Date	Topic	Speaker
02-6-2021 (Wednesday)	Data Compression	Dr Kiran P
03-6-2021 (Thursday)	Cloud Computing and its application	Dr. Shashidhara H R
04-6-2021 (Friday)	NLP	Prof. Sampada
07-6-2021 (Monday)	Algorithms	Dr. Bhavanishankar
08-6-2021 (Tuesday)	Computer Networks	Prof. Chethana HR
09-6-2021 (Wednesday)	IOT	Prof. Manjula L

Date	Subject	Faculty
10-6-2021 (Thursday)	Image Processing	Dr. Sudhamani MJ
11-6-2021 (Friday)	Data Mining	Dr. Kavya NP
14-6-2021 (Monday)	Web Technologies	Prof. Soumya NG
15-6-2021 (Tuesday)	Cryptography	Prof. Devraju BM
16-6-2021 (Wednesday)	Machine Learning	Dr. Girijamma

Front End Workshop

The department of Computer Science and Engineering initiated Front End Workshop from 7th -9th May,2021 aiming at providing students a gist of knowledge on identifying current programming approach. The workshop was attended by all semester 174 students of CSE.

Objective:

✔ Start thinking & learning innovative approaches to design front end web pages.

✔ Apply it in projects and gain more knowledge

Speakers of the workshop Himanshu P, Ankit Agarwal, Vinamra S has extra ordinary knowledge and innovative ideas to attract students and delivered the content in perfect way.

They were successful and very happy in learning the new approach with gaining tremendous knowledge. Students successfully completed with good feedback .

Web Development Workshop 2.0

The department of Computer Science and Engineering organized a 2-Day workshop on Web

Development on 18th and 19th Dec 2020. Around 167 students of Computer Science took the

benefit of the workshop.The Speaker Deepika Bagaria had great knowledge and experience
int the field.Workshop was conducted in online mode through Microsoft Teams.

Objective:

✔ To dissipate awareness about basics of Web Development.

Students were very happy in learning the new area with gaining tremendous knowledge

and successfully completed with good feedback .

Contents of workshop :

Solution Design

Classes and Table Creation

Logical relation between table and classes

Java API implementation using spring boot

Testing the APIs

Connecting the APIs to the frontend

Software requirements : Intellij , dataBase(mySql), Postman, JDK

Web Development Workshop

The department of Computer Science and Engineering organized a 3-Day workshop on Web Development on 30th ,31st October and 1st Nov 2020. Around 162 students of Computer Science took the benefit of the workshop. The Speaker Shivank Kumar had great knowledge and experience int the field. Workshop was conducted in online mode through Microsoft Teams.

Objective:

✓ To dissipate awareness about basics of Web Development.

Students were very happy in learning the new area with gaining tremendous knowledge and successfully completed with good feedback .

Contents of workshop :

Oct 30th Friday 6pm-8pm

● Speakers intro

● Show the Final build

● Introduction Web Dev

● Intro to HTML, CSS and JS

● HTML boilerPlate

● CSS implementation + Bootstrap Introduction and linking Html and Css linking and JS

Oct 31st Saturday 3pm-5pm

● Navbar

● Jumbotron

● About

● Departments

● Our Mission

Nov 1 Sunday 11am-1pm

● Gallery

● HOD's

● Footer ● Deployment on GitHub

DETAILED REPORT OF WORKSHOPS IN ISE DEPARTMENT

2021-22

Ms. Kusuma S, Asst. Prof., commences the event with an invocation song. Dr. Suresh L, Prof and Head of ISE Department, who has 31 years of teaching experience, his areas of expertise includes Algorithms, Data mining, and Machine learning, he has published 45+ papers in international journals, published 09 books in reputed publications, sir has professional membership in IEEE ISTE,IEI, CSI, CSTA, he was awarded with "Saadana Prakasha Award-2018" from Nagamma Foundation.

He started out with the Vision and Mission of the RNSIT and ISE Department, then sir gave a detailed information about the history of the department i.e from the inception of ISE department in 2001-02 with an intake of 60 students, to NBA accreditation in the year 2011-2014, to the conduction of the international conference(ICDECS) in year 2011-12, to NAAC Accreditation for 5 years with "A" grade in the year 2017-18, and NBA Accreditation for 3 years from 2018, conduction of national conference (NCCT-ICT) in july 2021, Department, different forum activities like paper publication, filling patents, gaming contents and skill building, sir presented to the students the information about the faculty members in the department, their designations and educational qualifications, with total years of experience in teaching, and number of workshops being organized and attended.
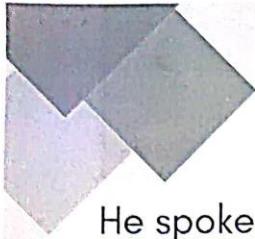
He spoke about the rank holders of the department, and complete result analysis of the students from 2014 batch to 2016 batch students, sir spoke about the achievements of the students in other competitive exams such as Gate Exam,

He gave a brief summary of the student placement achievements and high lightening the students with higher pay package in different companies, sir spoke about the placement statistics of 4 years, about the number of companies visited and recruited, sir gave a jest about our students getting admission in abroad universities, Sir provided an insight about "pinnacle" the student centric forum, which boosts itself of activities such as, technical seminars, paper presentation, debugging, placement oriented aptitude test, online treasure hunt, article writing, debate, coding contest, group discussion.

He introduced the students to the department newsletter ITYUKTA , spoke about the Project Open House Panorama 2021(PROP) which includes activities such as showcasing projects by the students, evaluation from industry experts, and awarding best projects.

He spoke about the infrastructure of the department which included about digital classrooms, state of the art laboratories, high speed internet, COE(center of Excellence) in Data Science/Cyber Security, and Seminar halls, department library IoT and Embedded Kits.

Sir spoke in length about the Teaching/Learning methodology inculcated in the ISE department which begins with proper conduction of theory classes, and lab classes, providing notes, lab manuals, and proper conduction of internal tests with standards being implemented in setting question paper setting and blue-book correction.

He spoke about the resent workshop conducted in the department i.e 10 day workshop on Advanced C programming with placement perspective and 2-day workshop on Web Development and providing the certificates to the best performers in the coding contest, he spoke about the initiative taken towards the placement by conducting Placement Primed Program which trained students in different topics such as C programming, C++, java, ADA, DS, OS, DBMS and HR related topics such as self introduction, strength and weakness, resume standards, behavioral interview and stress interview co-ordinates by the faculty members of the ISE department
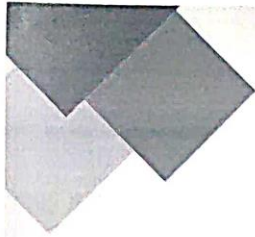
He gave an insight about the Alumni Network that the ise department boosts of, which provides, career guidance, motivation/mentoring, internships/jobs, webinars/seminars/workshops, mock interviews etc. spoke in length about the Discipline that is imbibed and followed in the department, such as mentoring system, attendance monitoring system, parents-teachers interaction, maintaining time schedule, following proper dress code, showing good code of conduct in the premises, and how the campus is free from anti-ragging and cell phone usage. He spoke about the plans to be implemented in the near future which included placements in core companies, promoting higher education, encouraging students to become entrepreneurs, strengthening in writing quality proposals with VTU, DST,VGST and AICTE and patenting the innovative research work.

Finally the campus view program was initiated by Dr. Prakasha Assoc. Prof Department of ISE, along with senior students, wherein each senior student was accompanied by 10-15 students and group photo was taken as a mark of remembrance, which introduced the first year students to the lush green campus of RNSIT, which boosts itself of the state of the art auditorium, cricket stadium, basket ball court, central library, seminar halls and class rooms.

RNS INSTITUTE OF TECHNOLOGY, BENGALURU – 98

(AICTE Approved, VTU Affiliated and NAAC 'A' Accredited)

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

(Accredited by NBA for the Academic years 2018 - 2022)

Summary Report on orientation program

Duration : 27th Oct 2021   **Students** : 3rd semester
Time : 2:40 p m – 4:30 p m

PREAMBLE

The orientation program for the 3rd semester students was organized on 27th October 2021.3rd semester students were formally welcomed and introduced to the culture of the college and campus. All ISE Dept. staff were present in the program . With the guidance of our beloved Principal, Dr. M K Venkatesha, Head of Department, Dr. Suresh L, theprogramwasplannedandexecuted.The orientation began with a brief inaugural ceremony at our RNSIT Campus by Ms Disha of 5th semester.

She said a few introductory words about are ISE department and the intellectual and fun journey students are about to undertake to start off with having amazing teachers who are extremely friendly with excellent skills. ISE dept have various events for like hackathon which will improve students coding skills and many workshops will be conducted which will help you develop your skills for example the 5th sem students have innovation lab where they are doing projects on major sectors like AIML, web development, cyber security and cloud computing we also have our department suggest where students can take part in various events and also conduct events.

Now Ms.kshithi from 5th sem welcomed the chief guest Mr Vishveshwara C R and Dr Suresh L HOD of department of ISE, the staff members and students. Mr Vishveshwara who is currently a principal engineer at Qualcomm is a person with great spirit and confidence. He is a person with great will power,filled with passion and an industrious person.

The invocation song was sung by Anagha & Sambrama of 7th Semester students, they outspreaded positive energy with their devotional song.it was a great start to the program.

Ms.chaitraka M bhat took over and introduced the chief guest to the audience. Mr Vishveshwara C R who is known as vishu. He is an engineer by profession and runner by passion.he studied his bachelors in SJCE, Mysore and started his career in 1995 as a software engineer in sasken communication technologies. He finished his Mtech in IIT Bombay specialized in communication engineering.

He worked in many companies like Intel sasken communication technologies .Ikanos communication as a principal engineer, project leader, distinguished engineer and senior software engineer. He is a highly experienced engineer and who oversees a variety of projects from start to finish at Qualcomm.
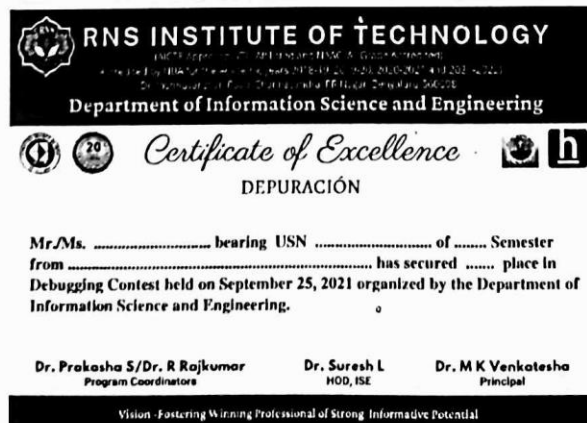
The chief guest addressed the gathering, he told how to sustain in software industry upgrading oneself with the growing the technologies. He explained to the 3rd semester students about the various domains after engineering and how to build profile from right starting and get placed in well-known companies. He explained the skills one developer show have and improve. He even shared his experience in various companies and inspired the students. He is a man filled with great thoughts and ideas. And finally he answered many questions ask by the students, he explained about the most important strengths a developer should have. And he answered in a very practical way which made students inspired and motivated.

Dr Suresh L spoke about the ISE department and activities carried out in the department every year. He gave a clear picture about the placement activities in campus. He explained about the campus and its infrastructure.

Now Dr S Sathish Kumar ISE dept. professor took over and introduced all faculty members to 3rd semester students. He explained the educational background of each and every staff member.

Adwaith and Vaishnavi SM of 7th Semester shared their experience in RNSIT ISE dept. and how their journey from 1st year to 4th year went on, and they told how friendly ISE dept. staff is. And they even told how RNSIT helped them in building up their skills.

Certificates were distributed to students who participated in coding competition held by ISE dept.

RNS INSTITUTE OF TECHNOLOGY

Department of Information Science and Engineering

Certificate of Excellence
DEPURACIÓN

Mr./Ms. .... bearing USN .... of .... Semester from .... has secured .... place in Debugging Contest held on September 25, 2021 organized by the Department of Information Science and Engineering.

Dr. Prakasha S/Dr. R Rajkumar	Dr. Suresh L	Dr. M K Venkatesha
Program Coordinators	HOD, ISE	Principal

Vision -Fostering Winning Professional of Strong Informative Potential

Certificate of DEPURACION

Summary Report on 4 -days Workshop on
Application Software Development

Duration: 24/08/2021 to 27/08/2021 Students: 4th semester

Time: 9:00AM-1:00 PM

The Department of Information Science and Enginering have initiated a series of advanced workshops for Students. The workshop was planned for 04 days on Application Software Development from 24th to 27th August 2021. Due to the pandemic situation, it was scheduled in online mode. With the guidance of our beloved Principal, Dr. MK Venkatesha, Head of Department, Dr. Suresh L, and the Program Coordinators-Mr. T S Bhagavath Singh and Dr. R Rajkumar, the program was planned and executed.

The program objectives were designed and take away as the program outcome were listed. A flyer was designed and circulated for student registration through Google forms for the course. A total of 200 students' registration was done for the workshop.

Placement Primed Program

Dept of ISE

Placement Primed Program is scheduled for 6th semester students from 16/8/2021 to 21/08/2021.

PLAN: The class is divided into 15 groups. Each group has 10 students. To conduct the above program faculty members are grouped into 5 teams and each team is assigned with technical topics and HR topic. Each group faculty are informed to prepare 50 plus technical questions with expected answers in the assigned subjects and 30 plus HR questions for assigned topic. Team leaders shall submit the question bank with answers to placement coordinators on/before 14/8/2021. Later with due verification and approval by the head of department, will be forwarded to Placement team.

    I.   Group Information:

GROUP INFORMATION			
GROUPNAME	TECHNICAL TOPICS	HR TOPICS	FACULTY
Team 1	Problem Solving Paradigms (Using C)	Self-Introduction	**Dr. Bhagyashree** Ms.Sowmya S K Mr.Ramesh S C Ms.Akshatha B
Team 2	OOPS Concepts using C++/JAVA	Strength and Weakness (SWOC Analysis)	**Mr. T S Bhagavath Singh** Ms. Sreedevi Ms. Vinutha G K Ms. Kavyashree K
Team 3	Design and Analysis of Algorithms	Resume Standards	**Dr. R Rajkumar** Ms. Kusuma S Ms. Kusuma R Ms. Manoranjan S R
Team 4	Data structures for Software development	Behavioral Interview	**Dr. Suresh L** Ms. Chandan Rani Ms. Hema N Ms. Vanishree
Team 5	Operating Systems, DBMS, Software Engineering and Computer Networks Concepts	Stress Interview	**Dr. Satish Kumar S** **Dr. Prakasha S** Ms. Sudha V Ms. Poonam Kumari Ms. Santhosh Kumar

II. Summary of P3: Batch (2018-2022)

Total Number of Students:150 Total Number of Batches:15 (Bl to B15)

Number of students in each batch:10 Number of Faculty Required/day: 15

Total Number of Faculty Required for 5 days:15 *5= 75

Faculty are grouped into 5, based on Technical Topic & HR Topic

Each Group is headed by Senior/Expertise Faculty in the domain.

Each Group shall prepare Question Bank (50 questions in technical domain and 25 questions in HR domain) & Guidelines for answering questions.

Name of the Event: **"Industry Institute Interaction Activity-2021"**

Date of event: **14-08-2021**

Timings: **9.00 A.M – 10:00 A.M**

Organized by: **Department of Information Science and Engineering and Placement Cell in Association with IEEE Student Branch, RNSIT, Bengaluru-98.**

Event Summary

To explore challenges and opportunities in the domain of **Cyber Security**, Department of Information Science and Engineering and Placement Cell and in Association with IEEE Student Branch, RNSIT conducted a technical talk on **Career Opportunities in Cyber Security** as a part of Industry Institute Interaction Series. The talk was delivered by **Mr. Ajith Kumar**, Security Manager, NetAPP. The talk mainly covered about cyber security, cyber-attacks, internal and external threats, skill sets required for cyber security personal, certifications and resources related to cyber security, career opportunities in cyber security. A total of 85 Students of 4th Semester ISE students joined the session and interacted with the speaker and received inputs about the domain, followed by feedback from students - Aditya D, Amurtha Rao, Aniruddh Sachdev. ~~The event description is~~ discussed below.

DETAILED REPORT OF WORKSHOPS IN ECE DEPARTMENT

2021-22

MATLAB Workshop

Conducted by: **RNSIT IEEE SPS Student Chapter**

Date: **9, 10 and 11th Dec 2021**

Timings: **6PM-8PM**

Mode: Online- **MS Teams**

FEE: **FREE** for all

Pre-requisites: MATLAB installation version 2015 and above.

Audience: **5th Sem ECE Students (mandatory)**

Workshop contents

1. Basics of MATLAB- Vaishnavi Bhandarkar.

- Introduction to MATLAB tool- command window, creating .m file, workspace, setting up directory, running .m file.
- Basic mathematical expressions +, -, *, /, ^, log, exp, pow, sqrt, sin, cos, tan, special variables (pi).
- Scalars, vectors and Arrays, assigning variables, row and column vectors, matrices.
- Array operations- combining matrices, transpose.
- Loops and execution control- for loop, while loop.
- Program output and Plotting- Graphs including 2D bar, histogram, pie and 3D graphs.

2. DSP- Introduction and real time problems/ equations- Aditya VS.

- Introduction to signal processing.
- Basic operations on signals.
- LTI systems, transforms.
- real time examples with processing audio signals and images, compression.

3. DSP- in depth – Yadunand Kamath

- Convolution, Impulse response.
- Filters basics.
- **Mini Project Demo.**

4. Simulink- Vandana S

- Introduction to Simulink
- Introduction to important blocks such as scope, gain, multiplexer, switch, if-else, if – action subsystem, merger etc.
- Comment and uncommenting of the blocks
- Advantages, applications and disadvantages of Simulink
- Hands on session includes –
- Amplification of sine signal and observation of waveforms in the dashboard without the necessity of scope block as well.
- Summation of the signals and sending the signal to the workspace and developing a M script file
- Development of mathematical equation using Simulink.
- Implementation of if else logic
- ASK, FSK experiments.

Department of Electronics & Communication Engg.

Date: 9/12/21

To,

The Principal

Respected Sir,

Sub: Request to permit us to conduct workshop on/from _Joy of coding using ESP32_

We are conducting a 1½ day workshop on _Joy of coding using ESP32_

On/From _11-12-2021_ to _12-12-2021_. Please allow us to conduct the workshop & also permit us to open the _Hi-Tech_ lab.

Resource Person: Team Falcon

No. of Participants: 70

Time: _Sat: 1:40 to 4:40pm & Sun: 8:40 to 4:40pm_

Venue: _Hi-Tech lab, Dpt. of ECE_

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. _Narendra Kumar_.

2. --

Non Teaching Staff: _Nasanth Kumar_

Kindly allow us to utilize the facilities.

Thanking you

HoD(ECE):

MK Cenlawsne
11.12

Yours sincerely

Coordinators

C Narendra kumar

2 day IEEE sponsored workshop on
JOY OF CODING ESP32 FOR IOT APPLICATIONS

Report of Event:

Workshop on ESP32 and IoT Applications By Falcon Team 2021 Under the guidance of Mr. Narendra Kumar, Mr. Praveen G, and Mrs.AparnaVishwanath

The ESP 32 workshop was conducted on the 11th and 12th of December,2021 by Team Falcon in the Hi-Tech lab in the Electronics and Communication Engineering Block. Around 80 students participated in the two-day workshop. Day1 report: The first day of the workshop was conducted on 11th of December,2021 from 1:30 p.m. and it continued till 4:30 p.m.The Components provided to the participants were ESP32 module, ultrasonic sensor, PIR sensor, DHT 11 sensor, LEDs, Potentiometer, Servomotor, breadboards and resistor box. The workshop began with an explanation about ESP 32 and the procedure to install the esp32 library to the Arduino IDE. The Advantages and uses of ESP32 were highlighted and a brief description of the pinout details was explained. The basic functions used in Arduino were explained with their syntax followed by examples. To make the participants comfortable with ESP32, the workshop began with a simple project like blinking the internal LED of ESP32. Following this, the various sensors given to the participants were explained. The participants were taught how to interface PIR Sensor and write code to detect motion using it. The working of DHT11 was taught and the participants learned how to print the Temperature and humidity values on the serial Monitor. Distance Calculation using Ultrasonic sensor was taught and the variable values of resistance of potentiometer were recorded using the ESP32 module. The participants were thrilled to implement their codes into the ESP32 module and use the sensors for real-world applications. Day 2 Report: The second day of the workshop was conducted on the 12th of December,2021 from 9:00 p.m.and it continued till 4:00 p.m.The session began with an introduction to the servo motor,their working, and how to adjust their angles of rotation via codes implemented using ESP32. The Bluetooth module available in ESP32 was explained. Its working, applications were taught through interactive projects. Communication through Bluetooth project was done in which message could be sent from our mobile applications to the ESP32 when both the devices were connected via Bluetooth. Another project using Bluetooth was done to elaborate on the use of Bluetooth in turning on and turning off appliances. A demonstration was made to turn ON and turn OFF an LED using Bluetooth module. The WIFI module of the ESP32 was taught next.ESP32 comes with an inbuilt wifi

module and using its library functions, the participants could connect their ESP32 modules to their respective WIFI hotspots. A project to check their WIFI strength was taught which was interactive and helpful in understanding the functions used to connect an ESP32 to a Wifi router/hotspot. The next project was an IoT application project where the Participants learnt to send data from ESP32 to their telegram App accounts via WIFI whenever motion was detected by the PIR sensor. The next segment was to build IoT projects which could be included in larger projects in the future. The first project was to control a Servo Motor using an API address on the web. This project was aimed at controlling the ServoMotor from the internet using an API address. The next project was to send Data from ESP32 to be updated on google sheets of their personalized mail ids. This project made use of a web service named IFTTT. The participants learned to update their google sheets with temperature and humidity values which were sensed by the DHT11 sensor. The last segment of the workshop helped the participants know about an IoT project building app called BLYNK. The participants learned to make widgets in Blynk app/website to turn on and turn off LED lights connected to ESP32. The workshop helped the participants step into the world of IoT using ESP32 and create interesting real World Projects. It helped them understand the various functions of ESP32 and helped them understand various sensors their interfacing and their day-to-day applications

Department of Electronics & Communication Engg.

Date: 4/12/2021

To,

The Principal

Respected Sir,

Sub: Request to permit us to conduct workshop on/from ---- ECE / IEEE Student branch.

We are conducting a ½ day workshop on -- GNU RADIO SOFTWARE

On/From 4/12/2021 ; 2·00 - 5·00 p.m. Please allow us to conduct the workshop & also permit us to open the ---- Hi Tech CCN ------ lab.

Resource Person: IPSITA SANYAL

No. of Participants: 30 Approx.

Time: 2·00 - 5·00 p.m.

Venue: Hi Tech Lab CCN.

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No. 1. Dr Smitha M·N·

2. ---

Non Teaching Staff: Prasanna

Kindly allow us to utilize the facilities.

Thanking you

HoD(ECE):

M k celebration
4.12.2

Yours sincerely

Coordinators

Department of Electronics & Communication Engg.

Date: 29|10|2021

To.

The Principal/Director,

Respected Sir,

Sub: Request to permit us to conduct workshop on/from ------- Circuit design & simulation using multisim

We are conducting a --2-- day workshop on ---Circuit design & simulation---

On/From 30|10|2021 to 31|10|2021. Please allow us to conduct the workshop & also permit us to open the --Hi-Tech-------- lab.

Resource Person: Falcon team

Time: On saturday 1 to 5pm & sunday 1 to 5.00pm

Venue: Dept. of ECE, Hi-Tech lab

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. ---Narendra Kumar.✓

2. ------------------------------------

Non Teaching Staff: ---Shiva Kumar.✓

Kindly allow us to utilize the facilities.   Yes.

Thanking you

MK CeekatiSan
29.10.21

(NK)
Yours sincerely

Coordinators

HoD(ECE):

30/10/2021

"Circuit Design & Simulation"

— Team falcon.

WORKSHOP REPORT

To begin with, the department of ECE has been quite welcoming to the 3rd Sem students , the efforts made by our teachers to encourage us to participate in mini projects ,idea sharing and model making contests are helping us to go a long way .

The workshop organized by the Falcon team under NK sir's guidance which took place on 30th and 31st of October went on to be a successful event .This technical event helped in making us realize the importance of basics in Engineering, The first session focused on helping us to understand the basic working of Multisim which was very well executed by our seniors who not only explained but also helped us when we could not figure out certain things , they guided us on the

details that was necessary to completely understand and get the outputs precisely . The presentation made by them was indeed innovative and benevolent to us .The actual lab replaced by the Multisim software supported us by providing an easy and accurate results without actually using the bulky equipments or causing any harm to the circuits throughout the session . The topics were as following

.Half wave and full wave rectifiers

.Bi-polar junction transistors drain and transfer characteristics

.Voltage regulator

.Clipping and clamping circuits

.Basic realization of gates

.Flipflop circuits and many more

The second day which was 31st of October a Sunday ,we got a chance to explore

the Electronics lab wherein we were taught how to use the equipments present in the lab , The second day we were exposed to the hardware components and on how to work with the active and passive components . NK sir who took initiative to explain the Range of frequencies which human ears were sensitive made our workshop interesting and fun . The following topics were discussed on the second day

.Resistors in series and parallel

.Voltage division and current division circuits

.Potentiometer working

.LCR series and parallel circuit

.BJT as a switch and its operations

We also had a chance to work with 555 timer and opamp (IC741), many such other experiments were carried out to give us a deep knowledge about Electronic devices . I thank our HOD Vipula Singh ma'am for giving us the opportunity to be a part of this wonderful workshop which helped us to get to know about the Multisim software ,the basic electronic devices and got a chance to interact with our friendly seniors .Thanking all the teachers and seniors who helped in making this workshop a knowledgeable one .Thanks to the FALCON team .

30/10/2021

" Circuit Design & Simulation "

— Team falcon.

WORKSHOP REPORT

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IETE Sponsored Fourth National Conference on Emerging Trends in Engineering, Science and Technology

Monday, July 05, 2021

About the Conference

The Conference provides a platform for UG students, PG students and Research scholars of Engineering discipline for the exchange of new ideas, thoughts, emerging trends in Engineering, Science & Technology

About the conference

It is my great pleasure to welcome you all to the **"Fourth National Conference on Emerging Trends in Engineering science and Technology" NCETEST-21,** here in RNSIT.

Let me give you a brief description about the conference.

The primary goal of this conference is to provide a platform for UG students, PG students and research scholars to exchange new ideas, thoughts, emerging trends in Engineering, Science and Technology.

I am happy to share that, this is the consecutive 4th time we are conducting National conference in the Department of Electronics and Communication Engineering. We are very grateful to the management for their tremendous support they have provided as host and we are thankful to our beloved principal & HoD for motivating us to conduct events like this.

I am glad to share that we have received more than 125 papers with several specialized area. Out of which around 50 papers are from other colleges, from Bangalore, tumkur, mangalore, mudabidre. AIT, DSCE, BMSIT, AMC, Cambridge, Sai Vidya Institute of Tech., APS, JSS, Canara COllege

All papers are peer reviewed. We had more than 50 members of panel of experts from academic and industry, who supported us in reviewing all the papers. I am grateful to the many experts who have come forward to give their expert comment on the paper.

Total number of papers for presentation is 111, out of this 49 are from outside college and 52 are from RNSIT

There are 15 sessions with specialized areas like Communication, VLSI, IP, Embedded Systems, AI_ML etc. A glance through these list of presentations planned for the day reveals the diversification of the Engineering field.

Indeed! These conferences help students to get into self-introspection as well as their achievements. This encourages the students to participate in various presentations and which would help in developing an interdisciplinary venue to contribute and discuss the ongoing innovations, applications and solutions to challenging problems of engineering.
I am sure you will have fruitful and rewarding exchanges in the next few sessions. I wish you every success with this conference.

DETAILED REPORT OF WORKSHOPS IN ECE DEPARTMENT

2020-21

Report ON

VLSI Layout design course and internship program conducted by Epitome circuits(Kanada Technologies)

(Duration of the course: 150 hours)

About the Course

Department of ECE proposed conducting Advanced VLSI course, under the banner of Center of Excellence. Admin approval for the said course was granted **on 9 Sep 2017**. The course has started with 11 students. The course was conducted by Kanada Technologies by industry experienced VLSI experts. Later, from 2021 they changed the company name from Kanada technologies to Epitome circuits

The course is attended by fifth semester students. List of students with the syllabus coverage is as given below. General feedback of students regarding the course and coverage is very good.

About the Company: Epitome circuits priorly known as Kanada Technologies was founded in the year 2011 with the aim of transforming learning space in engineering education and create a talent pool with an ultimate workspace for careers in semiconductor industry. The vision of the company is to apply faculty expertise towards creating best quality, employable, industry ready semiconductor professionals and to continue to be the best skill development centre to enhance the employability of new electronic graduates.

Mentors: Sumana Hallur Founder and Managing Director with Semiconductors experts from Intel, Synopsis, Qualcomm,ARM sharing their years of silicon design experience and the latest trends.

Report on

Workshop on Arduino Microcontroller for MTech Students

Workshop conducted by

Dr. Dinesh K. Anvekar

Introduction

The field of embedded electronics systems and high performance microcontroller has advanced rapidly during the current decade. A majority of all final year BTech final year engineering projects are based on one or the other microcontrollers commercially available in the electronics market. One of the user friendly easy to use microcontrollers is the Arduino family of microcontrollers with different versions such as Nano, Mini, Uno, Mega etc. However, our laboratory staff are still lacking in the practical knowledge of Arduino microcontrollers and their practical application in projects. Keeping this in mind, a workshop on introduction to Arduino microcontroller with emphasis of Arduino Uno was conducted on 27th Jan 2021 for the MTech students of the ECE Department. In this report, a brief write-up on the Workshop is given.

Faculty Background

The workshop was conducted by Dr. Dinesh K. Anvekar, Professor, ECE,RNSIT. He is a seasoned professor with 37 years of R&D experience in difference organizations such as the Indian Institute of Science, the IBM Research , Honeywell Technology Solution, Nokia Research Center, and several VTU engineering institutes. He holds 15 US granted patents and 15 Indian issued patents, and has years of experience in the practical application of microprocessors and microcontrollers.

Dept of ELECTRONICS AND COMMUNICATION , RNSIT

PYTHON WORKSHOP 2.0

Date : 19th dec,2020 & 20th dec,2020

Platform : Google meet

DAY 1

1. Refresh basic python Concepts
   - Lists
   - Dictionaries
   - Tuples
   - Functions

2. Object Oriented programming concepts
   - Objects
   - Using the *class* keyword
   - Creating class attributes
   - Creating methods in a class
   - Learning about Inheritance
   - Learning about Polymorphism
   - Learning about Special Methods for classes

3. Implementation of Stack using oops concept

DAY 2

1. Competitive Coding concepts
   - 1-D Arrays
   - 2-D Arrays

2. Problem Solving

Resource Persons

Ipsita Sanyal (7th sem, ECE) , Kushal Shrama (5th sem, ECE), Sharmistha K (5th sem, ECE)

RNS Institute of Technology
Department of Electronics and Communication Engineering

Mini-Project Open House Expo – 2020

Department of Electronics and Communication Engineering is conducting an Open House Mini Project Expo on 31th October 2020.

rescheduled on 7/11/2020

Guidelines:

- Each group should have minimum of 1 and maximum of 4 members. Students can build their own group.
- Projects should not be purchased outside, but any purchased hardware or modules are allowed.
- Last date for Submission of Group Names and Project Titles is 20/10/2020. (Registration links will be sent to your class groups).
- Register titles according to the categories as mentioned below:
  1. Web development/App development
  2. Hardware simulation (Multisim, Proteus, PSpice, etc)/software projects(Python, MatLab etc)
  3. Hybrid (software+hardware)
  4. Innovative project idea (for 5th sem students only)
- Innovative project ideas should be submitted to pgrnsit.academics@gmail.com on or before 25/10/2020 with the following details:

- Innovative project ideas should be submitted to pgrnsit.academics@gmail.com on or before 25/10/2020 with the following details:
  1. Motivation
  2. Literature Survey
  3. Block diagram
  4. Implementation idea
  5. Application and challenges
- Approach faculties to carry out projects within the given duration, if needed.
- Project Open House will be held on 31/10/2020. All participants will get certificates from the department in association with IETE and IEEE.
- Interested students are also allowed to do multiple mini-projects.

Semester wise prizes will be awarded for the best projects.
For more details contact:

Co-ordinators for 3rd sem:
Prof. Aparna Vishwanath.

Co-ordinators for 5th sem:
Prof. Praveen G.
Prof. Narendra Kumar.

HoD

13/10/2020

DETAILED REPORT OF WORKSHOPS IN ECE DEPARTMENT

2019-20

Electronics and Communication Engineering

31/12/19

Workshop on VLSI Digital Design using Verilog

Outline:

The aim of the workshop is to provide a comprehensive design flow on advanced digital VLSI IC design using Verilog. The workshop provides a hands-on session on Cadence & Xilinx tools, which includes the digital VLSI implementation. This course helps in building a basic level of understanding starting from simulation, synthesis, implementation to validation.

Objective:

The main objective of this workshop is to enhance digital designing skills using Verilog with the focus on:

- Writing Verilog code in various abstraction levels.
- Verifying the design using test bench.
- Design and implementation of FSM, mealy and moore system.
- Analyzing synthesis of a design.

Duration: 2 Days (02/01/2020 & 03/01/2020)

Contents:

	8.40-10.30 a.m	11.00 a.m-1.00 p.m	1.30-04.00 p.m
Day1 2/1/2020	Introduction to VLSI digital flow	Design details and methodology Verilog Vs VHDL Verilog datatypes & operators	Hands–on session on Cadence & Xilinx
Day 2 3/1/2020	Verilog modeling styles	FSM, mealy & moore systems	Hands–on session on Cadence & Xilinx

Resource Persons:

Dr. Sangeetha B G
Dr. Smitha N

Good.

HoD

Principal

31/12/19

Dept. of Electronics and Communication Engineering

**3- day Faculty Development Programme on
"Machine learning and Deep learning using Python", on**

Jan 30, 31 and Feb 1 2020.

PROGRAMME AGENDA

Inaugural Function on Jan 30 2020 at 9.00am

- Invocation By Mrs. Aparna V, Asst. Prof.
- Welcome Speech by Dr. M.K.Venkatesha, Principal
- Lighting of the Lamp
- About FDP Dr. Vipula Singh , HOD

- Introduction of the chief guest Dr. Manjula V K, Assoc. Prof.
- Relevance and overview of the FDP by Dr. Dinesh R, Principal Engineer, Samsung Electro-Mechanical,
- Address by Dr. H N Shivashankar, Director
- Vote of Thanks by Dr. Nandini K S, Asst. Prof

  Master of Ceremony: Chetana J, Asst. Prof

Day	Session 1 8.40-10.45am	10.45-11am	Session 2 11am-1pm	1 -1.45pm	Session 3 1.45-3pm	3 -3.15pm	Session 4 3.15-4.30pm
1	Overview of Machine Learning	TEA BREAK	Data Understanding and Preparation	LUNCH	Feature Engineering	TEA BREAK	Classification - I
2	Classification – II		Clustering		Neural Network – I		Neural Networks-II
3	Deep Learning Introduction		CNN – I		CNN –II		CNN -III

Department of Electronics & Communication Engg.

Date: 7/2/2020

To,

The Principal/Director,

Respected Sir,

Sub: Request to permit us to conduct workshop on/from ____ 8/2/2020 ____.

We are conducting a __1__ day workshop on ____ Digital design & Layout in VLSI

On/From ____ 8/2/2020 ____. Please allow us to conduct the workshop & also permit us to open the ____ VLSI ____ lab.

Resource Person: Mr. Ravi. Siddanth , Principal Engineer, Broadcom Co , Bengaluru.

No. of Participants: 20   free of cost

Time: __9 AM - 5 PM__

Venue: ____ VLSI Lab ____

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. __Dr. Sangeetha BG__ [9886345903]

                                  2. ____

Non Teaching Staff: ____ Ramamurthy / Ravi ____

Kindly allow us to utilize the facilities.

Thanking you

                                                              7/2/10
                                                         Yours sincerely

                                                           Coordinators

HoD(ECE):

Department of Electronics & Communication Engg.

Date: 6/2/2020

To,

The Principal/Director,

Respected Sir,

Sub: Request to permit us to conduct workshop on/from ----15/2/2020 & 16/2/2020.

We are conducting a --2-- day workshop on ------Programming 8051 Microcontroller

On/From ---15/2/20 to 16/2/20---------. Please allow us to conduct the workshop & also permit us to open the CAD (mech) --- lab.

No charges.
Compulsary for all iᵗʰ sem Students

Resource Person: Narendra kumar

No. of Participants: ~ 80

Time: ---8:30 to 5:00

YM spoken to Mech HOD for the Lab.

Venue: -----CAD LAB MECH Dept

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No. 1. Narendra kumar   9741533255

2. Praveen G

Non Teaching Staff: Lakshmi prasanna on 15·02·2020 and Shivakumar on 16·02·2020

Kindly allow us to utilize the facilities.

Thanking you

Yours sincerely

Coordinators

HoD(ECE):

NK & PG

Department of Electronics & Communication Engg.

REPORT ON

"PROGRAMMING 8051 MICROCONTROLLER "conducted on 15/2/2020 & 16/2/2020

The 8051 Microcontroller is one microcontroller which is commonly used in various fields and devices created for those fields. This microcontroller holds immense importance in the field of electronics, and thus is necessary to learn about, rather than just learning the basics of other microcontrollers.

By the end of a course in the 8051 Microcontroller, students will have a fairly practical knowledge about this microcontroller. Students will have understood the architecture and programming of the 8051 Microcontroller along with several other aspects. This subject holds great importance because this microcontroller is used in several fields, and studying it would enable students to understand the working behind machinery and devices used throughout a vast array of industries and sectors.

TOPICS COVERED

- 8-bit microcontroller
- Built with 40 pins DIP
- ROM storage of 4KB
- RAM storage of 128 bytes
- 4 parallel 8-bit ports
- 2 timers of 16-bits

Also Discussed how it is used to control different Kinds of Devices, such as

- Automobiles

- Medical sector
- Railways sector
- Aeronautics
- Robotics
- Spaceships and rockets (for space)
- Light sensing
- Temperature sensing
- Process control devices
- General consumer electronics

The session was very interesting and ended with how to write a programs individually with the help of the Microcontroller.

Department of Electronics & Communication Engg.

Date:

To,

The Principal/Director,

Respected Sir,

Sub: Request to permit us to conduct workshop on/from ~~29th March~~ feb and 1st March 2020

We are conducting a 2 day workshop on Introduction to Machine Learning

On/From 29th feb (Sat) - 1st March (Sun) Please allow us to conduct the workshop & also permit us to open the Hi Tech lab.

Resource Person: AKSHATHA Heule (VII sem), Ipsita (6th sem), Vishwas Narrayan (6th sem).

No. of Participants:

Time: 29th feb (1:30pm - 4:30pm) Sunday 1st March (9am - 5pm)

Venue: Hi tech Lab ECE Department.

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. --

2. --

Non Teaching Staff: Sunil Kumar H

Kindly allow us to utilize the facilities.

Thanking you

26/2

Yours sincerely

Coordinators

HoD(ECE):

Introduction to Machine Learning with Python
Workshop Report

Total intake : 65 participants
IEEE members: 8 participants

Day1[29/2/2020]:

- Software installation and system setup
- Strings, tuples, dictionaries, lists
- Conditionals
- Loops
- Functions
- Numpy

Day2[1/3/2020]:

- Pandas
- Introduction to ML
- Theory on supervised, unsupervised learning
- Linear Regression – theory, implementation
- K Nearest Neighbors – theory, implementation
- Support Vector Machines – theory, implementation • Tensorflow

Resource Persons: Ipsita Sanyal, Akshatha Herle, Vishwas Narayan, Kushal Sharma

Department of Electronics & Communication Engg.

Date: 24/02/2020

To,

The Principal/Director,

Respected Sir,

Sub: Request to permit us to conduct workshop on/from Raspberry Pi.

We are conducting a 2 day workshop on Hardware interfacing using Raspberry Pi

On/From 07/03/2020 to 08/03/2020. Please allow us to conduct the workshop & also permit us to open the VLSI lab, 1st floor, ECE dept.

Resource Person: FALCON Team

No. of Participants: 30

Time: Sat : 1:40 pm to 4:30pm & Sun: 9:00 am to 4:30pm

Venue: VLSI lab, 1st floor, Dept. of ECE

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.
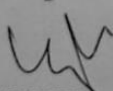
Coordinators & their contact No. 1. Aparna Vishwanath
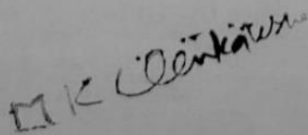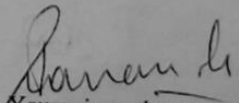2. Praveen G 9880244228 03 2020

Non Teaching Staff: Anand on 07.03. and Shivayogaiah on 08.03. 2020
NT shall be present / available

Kindly allow us to utilize the facilities.

Thanking you

HoD(ECE)

26/2/2020

Yours sincerely

Coordinators

Department of Electronics & Communication Engg.

REPORT ON

"Hardware Interfacing using Raspberry Pi "conducted on 7/03/2020 &8/3/2020

Using Python students can program all aspects of the Raspberry Pi hardware and make it talk to different peripherals, sensors and actuators and build realistic projects.

Like the digital, there are many applications that require analog inputs. Raspberry Pi does not have an inbuilt support for capturing analog signals. From this workshop students will learn how to use Raspberry Pi in conjunction with an Analog to Digital Convertor (ADC) to capture analog signals and visualize them on a chart.

TOPICS COVERED

1. Introduction to Raspberry pi

2. Python and Linux Terminal

3. Interfacing Sensors

a.   IR Sensor

b.   Ultrasonic Sensor

c.   PIR Sensor

d.   DHT Sensor

    Git basics

    Introduction to IoT

    Working with BLYNK

    DHT Weather Station

DETAILED REPORT OF WORKSHOPS IN ECE DEPARTMENT

2018-19

Department of Electronics & Communication Engg.

Date: 9/8/2019

To,

The Principal/Director,

Respected Sir,

Sub: Request to permit us to conduct workshop on/from Programming using Python

We are conducting a 2 day workshop on Programming using Python

On/From 10/8/2019 – 11/8/2019. Please allow us to conduct the workshop & also permit us to open the Hi-Tech lab.

Resource Person: Team Falcon

No. of Participants: 5th sem students.

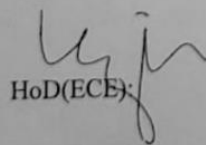Time: 9 AM to 4 PM

Venue: Hi-Tech Lab.

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. PRAVEEN.G   9880244228

2. --

Non Teaching Staff: Shivakumar 9986511606

Kindly allow us to utilize the facilities.

Thanking you

HoD(ECE):

MK Venkatesh

Yours sincerely

Coordinators

Department of Electronics & Communication Engg.

REPORT ON

"Programming using Python" conducted on 10/8/2019 &11/8/2019

Team - Technoids
Date - 10 Aug,2019 & 11 Aug,2019
Participants Count- 109 (from all branches)
Inperson workshop

Topics Covered

1. Installation of python
2. Data types:
   - strings
   - lists
   - tuples
   - Dictionaries

3. List operations:
   - Understanding the behaviour of a list
   - Slicing
   - creating a new list
   - Higher order functions on lists
     - map
     - lter
     - list comprehension
4. Exception handling
   - Types of exception
   - Try and except

To,

The Principal/Director,

Respected Sir,

Sub: Request to permit us to conduct workshop on/from ----- 01|06|2019 to 02|06|2019

We are conducting a --02-- day workshop on --VLSI circuit design----------------------------------

On/From --. Please allow us to conduct the workshop & also permit us to open the -----VLSI------------- lab.

Resource Person: Mr. Ravi from Broadcom. Kanada Technologies

No. of Participants: 14

Time: ------ 9:w - 4:30.

Venue: ----VLSI Lab:------

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. --Obileshwari M.S (01|06|19)

2. ----Chetana (02|06|19)
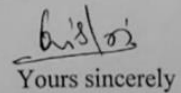
Non Teaching Staff: --------------------------------

Kindly allow us to utilize the facilities.

Thanking you,

yes.

MK Ollyfication
1/6/19

HoD(ECE):

Yours sincerely

Coordinators

RNS INSTITUTE OF TECHNOLOGY

Department of Electronics and communication Engineering.

A REPORT ON VLSI CIRCUIT DESIGN -1/6/2019 & 2/6/2019

Course Objective-

VLSI Design is considered as an important domain in the field of Digital and Analog circuits. The main objective of this workshop is to impart through technical knowledge on VLSI design to the faculty and post graduate students towards the research in the field of VLSI.

The aim of the workshop is to provide a comprehensive design floe on advanced digital VLSI IC design using Verilog. The workshop provides hands-on session on cadence and Xilinx tools., which includes the digital VLSI implementation.

This course helps in building a basis level of understanding starting from simulation, synthesis , implementation to validation.

Program Outcome

The workshop helped to improve the knowledge in VLSI Design and one step move towards in the area of researches in VLSI.

It motivated and gave idea on research areas for PG Students in the field of Digital and Analog VLSI Design.

Department of Electronics & Communication Engg.

Date: 16|4|2019

To,

The Principal

Respected Sir,

Sub: Request to permit us to conduct workshop on/ from --- Introduction to CV and DL Python

We are conducting a ------ day workshop on -- Introduction to CV and DL Python

On/From ----- 19|4 to 21|4|2019 -----------. Please allow us to conduct the workshop & also permit us to open the ------- Hi-tech ------- lab.

Resource Person: Inhouse students

No. of Participants:

Time: ----------------------------

Venue: ECE block.

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No. 1. ------- Shivkumar Praveen.G

2. ----------------------- Narendra Kumar

Non Teaching Staff: --------- Shivakumar ------

Kindly allow us to utilize the facilities.

Thanking you

Yours sincerely

Coordinators

HoD(ECE):

Intro to CV and DL-Python

Workshop Report

Day 1 [19/04/2019] :

Basics of Python programming were taught on the first day covering the following topics: data types, conditionals, loops, file handling and Numpy basics, along with some programming challenges.

Day 2 [20/04/2019] :

The theory behind deep learning, including concepts like convolutional neural networks, hidden layers, data pre-processing, kernels, gradient descent, pooling, fully connected layers, was taught on day 2. This was followed by two practical applications of the same as number classification and dogs vs cats classification coded in python and executed on Google Colab.

Day 3 [21/04/2019] :

On day 3, opencv tutorial was conducted, covering both the theory and coding aspects of edge detection, blurring, finding contours, applying masks and feature extraction with Hough transform. Following this tutorial was the invisibility cloak project using opencv, numpy and pandas.

Technoids members:

Akshay Krishna, Animikh Aich, Akhilesh V, Ipsita Sanyal, Vishwas Narayan, Kushal Sharma, Akshatha Herle

Intake strength: 60

Road, Channasandra, Bengaluru – 98

Department of Electronics & Communication Engineering
(Accredited by NBA for the Academic Years 2018-19, 2019-20 & 2020-21)

Date: 7/02/2019

To,

The Principal/Director,

Respected Sir,

Sub: Request to permit us to conduct workshop on/from Programming 8051 Microcontroller using Proteus.

We are conducting a --2-- day workshop on Programming 8051 Microcontroller using Proteus /From 9-10 Feb, 2019 ---------. Please allow us to conduct the workshop & also permit us to open the Hi-Tech lab.

Resource Person: Team Falcon

No. of Participants: 60 students [30 teams of 2 students]

Time: Sat: 1:40pm to 5:00pm, Sunday: 9:00AM to 5:00PM (9-10 Feb, 2019)

Venue: Hi-Tech lab, ECE Dept.

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. PRAVEEN. G , 9880244223

2. --

Non Teaching Staff: Shiva yogi 9964296644

Seeking permission for funding from IEEE RNSITSB &

Kindly allow us to utilize the facilities.

Thanking you

Dhuras

HoD(ECE):

yes

M/C Cant cause

Principal/Director:

Praveen. U.

Your sincerely

Coordinators

PRAVEEN. G
Asst. Professor
Dept. of ECE

RNS INSTITUTE OF TECHNOLOGY

Department of Electronics and communication Engineering.

Date:9/2/2019 & 10/02/2019

REPORT ON MICROCONTROLLER WORKSHOP.

They introduce about microcontroller and its apploictaion.how it is used in curriculam.

Microcontrollers are used in automatically controlled products and devices, such as automobile engine control systems, implantable medical devices, remote controls, office machines, appliances, power tools, toys and other embedded systems.

Examples of Microcontroller

- Altera.

- Analog Devices.

- Atmel.

- Espressif Systems.

- Freescale Semiconductor.

- Cypress Semiconductor.

- ELAN Microelectronics Corp.

- EPSON Semiconductor.

Memory

Based on the memory configuration, the microcontroller is further divided into two categories.

- **External memory microcontroller** – This type of microcontroller is designed in such a way that they do not have a program memory on the chip. Hence, it is

named as external memory microcontroller. For example: Intel 8031 microcontroller.

- **Embedded memory microcontroller** – This type of microcontroller is designed in such a way that the microcontroller has all programs and data memory, counters and timers, interrupts, I/O ports are embedded on the chip. For example: Intel 8051 microcontroller.

Instruction Set

Based on the instruction set configuration, the microcontroller is further divided into two categories.

- **CISC** – CISC stands for complex instruction set computer. It allows the user to insert a single instruction as an alternative to many simple instructions.
- **RISC** – RISC stands for Reduced Instruction Set Computers. It reduces the operational time by shortening the clock cycle per instruction.

Applications of Microcontrollers

Microcontrollers are widely used in various different devices such as –

- Light sensing and controlling devices like LED.
- Temperature sensing and controlling devices like microwave oven, chimneys.
- Fire detection and safety devices like Fire alarm.
- Measuring devices like Volt Meter.

second National Conference on

Emerging Trends in Engineering, Science and Technology

Friday, May 03, 2019

IETE SPONSORED SECOND NATIONAL CONFERENCE ON
EMERGING TRENDS IN ENGINEERING SCIENCE & TECHNOLOGY.

present here.

3ʳᵈ May 2019 .

3rd May 2019

dg ch The department of Electronics & Communication Engineering is conducting a one day **"IETE Sponsored Second National Conference in Emerging Trends on Engineering Science & Technology"** on this day, 3rd May 2019.

The conference aims to provide platform for researchers to present their findings, developments and newer ways of implementations in the emerging areas of Engineering Science and Technology. This would not only motivate them but also strengthens the knowledge base with their contributions.

We have received 140 papers which were thoroughly reviewed by experts in relevant fields and suggested with suitable changes with respect to formatting and presentation of the subject in the paper.

About 105 papers are registered for presentation, out of which 15 are freely registered, for those authors who have won project demo competition held in March.

The paper presentations will happen in 10 sessions, of which, 5 parallel sessions will be held in the morning from 11:30 am to 1:30 pm and remaining 5 will be held in the afternoon from 2 pm to 4 pm. Each session is associated with emerging trends in artificial intelligence, internet of things, VLSI, Signal Processing etc.

There will be two chairs per session, one external and one internal. The external session chairs are Professors in the relevant fields invited from reputed institutes and other departments. The internal session chairs are experts from our own department for effective management of session.

Department of Electronics & Communication Engg.

REPORT on

LaTeX conducted on 12/4/2019

One day workshop was conducted by Dr. Rajini V Honnungar and Mr. Sanjay M Belgaonkar , on LaTeX for the benefits of teaching faculty .

Topics Covered

- What is LaTeX?
- Why learn LaTeX?
- Writing your first piece of LaTeX
- The preamble of a document
- Adding a title, author and date
- Adding comments
- Bold, italics and underlining
- Adding images
- Captions, labels and references
- Creating lists in LaTeX
- Unordered lists
- Ordered lists
- Adding math to LaTeX
- Basic Formatting
- Abstracts
- Paragraphs and newlines
- Chapters and Sections
- Creating tables
- Creating a simple table in LaTeX
  - Adding borders
  - Captions, labels and references
- Adding a Table of Contents

Department of Electronics & Communication Engg.

Date: 28.03.2019

To,

The Principal/Director,

Respected Sir,

o: Request to permit us to conduct workshop on/from 30-31, March 2019 & 6-7 April 2019 tentative

We are conducting a 4 day workshop on Android Application Programming using Java

On/From 30-31, March 2019 & 6-7 April 2019 Please allow us to conduct the workshop & also permit us to open the Hi-Tech & PSoC lab.

100 Rs is Workshop fee.

Resource Person: FALCON Team

No. of Participants: 50

Time: Set : 1:40 to 4:30 & 9:00 to 4:30pm.

Venue: Hi-Tech / PSoC lab

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. PRAVEEN. G
                                    2. APARNA. V

Non Teaching Staff: Prasanna.

Kindly allow us to utilize the facilities.

Thanking you

HoD(ECE): MK Okulgahm 30/3

Yours sincerely

Coordinators

Praveen G.
Aparna V.

DETAILED REPORT OF WORKSHOPS IN ECE DEPARTMENT

2017-18

RNS INSTITUTE OF TECHNOLOGY
Department of Electronics & Communication Engg.

Date: 19|6|2018

To,

The Principal

Respected Sir,

Sub: Request to permit us to conduct workshop on/ from ------ Analog & Digital VLSI design.

We are conducting a ------ day workshop on ------------ 21 to 25 June ------------------------

On/From ---. Please allow us to conduct the workshop & also permit us to open the ------- VLSI --------- lab.

Resource Person:

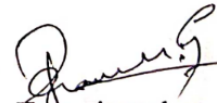No. of Participants:

Time: ---- 9 to 4.00 pm

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. --- Ohileshwari — 9740861361

2. Dr. Sangeetha — --------------------------------

Non Teaching Staff: --------- Rani.-----------------

Kindly allow us to utilize the facilities.

Thanking you

Sangeetha.B.S
Yours sincerely

MK Venkatesha

HoD(ECE):

Coordinators

Department of Electronics & Communication Engg.

Date: 15|6|201

To,

The Principal

Respected Sir,

Sub: Request to permit us to conduct workshop on/ from ____PYTHON_____.

We are conducting a __3__ day workshop on ____18|06|2018 19|06/2018 20/06/2018

On/From _____. Please allow us to conduct the workshop & also permit us to open the _____HITECH____ lab.

Resource Person: Akilesh V , Akshay kaishna , Animikh .

No. of Participants: 40

Time: ____9.00 – 4.00pm

Venue: ____HITECH VLSI Lab ECE Department   .

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. Pro.Sanjay.   ph : 9632212235 .

2. ____Smitha_____

Non Teaching Staff: ____Vasant_____

Kindly allow us to utilize the facilities.

Thanking you

Yours sincerely

Smitha. M

Coordinators

HoD(ECE):

RNS INSTITUTE OF TECHNOLOGY
Department of Electronics & Communication Engg.

Date: 26|04|2018

To,

The Principal

Respected Sir,

Sub: Request to permit us to conduct workshop on/ from ---How to--------- write technical Paper

We are conducting a ---1--- day workshop on ------------28|04|2018------------

On/From ---. Please allow us to conduct the workshop & also permit us to open the ------Hi-tech------- lab.

Resource Person: Praveen.

No. of Participants: 60 Students

Time: ----- 2 to 5 -----

Venue: ------ECE block.

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. ------Praveen G --9880244228

2. ---

Non Teaching Staff: ---------Anand---------,-----

Kindly allow us to utilize the facilities.

Thanking you

Yours sincerely

Coordinators

HoD(ECE)

RNS Institute of Technology

Department of Electronics & Communication Engg.

Date: 13/4/18

To,

The Principal/Director,

Respected Sir,

Sub: Request to permit us to conduct workshop on/from ----PCB Design -Circuit Prototyping

We are conducting a --2-- day workshop on --------PCB Design for I & II Year student

On/From -----14/4/2018 & 15/4/2018----. Please allow us to conduct the workshop & also permit us to open the -----VLSI & LD---- lab. @ 800 Rs per student to be paid to resource person.

Resource Person: Mr. Kotresh and Team, Indian Tech-Keys

No. of Participants: 25

Time: ---9 to 5---------

Venue: --VLSI & LD lab-- ECE I & II flur

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1. --M.S abileshwari----- 9740861361

2. ----Manjunath Nayak V---

Non Teaching Staff: --Shivayogayya---------

Kindly allow us to utilize the facilities.

Thanking you

Your sincerely

Coordinators

(Narendra Kumar)

HoD(ECE):

RNS Institute of Technology

Department of Electronics & Communication Engg.

Date: 17/02/2018

To,

The Principal/Director,

Respected Sir,

Sub: Request to permit us to conduct workshop on/from ----18/02/18----,--24/02/18. & 25/02/18

We are conducting a --1--- day workshop on ---LabVIEW--

On/From ---. Please allow us to conduct the workshop & also permit us to open the --Hi--Tech--------- lab. no cost:

Resource Person: Yashaswini (MTech student)

No. of Participants: 15

Time: ----9:30 am --4:30pm

Venue: ---Hi-tech lab--

The following faculty members are entrusted with the responsibility of being present during the program organized by the department.

Coordinators & their contact No.   1.--Praveen G - 9880244228 ✓

2. --Narendrakumar--------9741833255

Non Teaching Staff: --Prasanna----------------

Kindly allow us to utilize the facilities.

Thanking you

Your sincerely

Coordinators

HoD(ECE):

MIC 17.2.18

Principal/Director:

IETE SPONSORED NATIONAL CONFERENCE ON EMERGING TRENDS IN ENGINEERING SCIENCE & TECHNOLOGY.

May 4th 2018

The department of Electronics & Communication Engineering conducted a one day **"IETE Sponsored National Conference in Emerging Trends on Engineering Science & Technology"** on May 4th 2018.

The inauguration of **National Conference** and the inauguration of **Centre** of Excellence of VLSI and **Centre of Excellence of Signal Processing** took place between 9.30 to .10.30 am . The chief guests were Mr. Pramodh Notiyath, Manager Corporate Applications, Synopsys and Mr. Harikrishna Rai, System Architect, Philips Medical Systems. The inaugural function was followed by keynote address from the two chief guests. Mr. Pramodh Notiyath delivered key note address on "Smartness is Everything", followed by Key note address on Image & video analytics by Mr. Harikrishna Rai.

Total number of papers presented on the day was 84, out of which 71 were registered and the remaining 13 were of free registration. The paper presentations were scheduled under two sessions. The morning session took place from 11.30 to 1.30pm. Afternoon session was from 2 to 4pm. The total number of sessions was 12. Six parallel sessions both in the morning in the afternoon were carried out.

For every session we had two session chairs, one internal and one external. HOD's and senior professors from our department and other departments were invited as session chairs.

DETAILED REPORT OF WORKSHOPS IN EIE DEPARTMENT

2020-21

One Week Virtual Technical Talk Series

RNS Institute of Technology
(AICTE Approved, VTU Affiliated and NAAC 'A' Accredited)
(UG programs – CSE, ECE, ISE, EIE and EEE have been **Accredited** by NBA
for the *Academic Years 2018-19, 2019-20 and 2020-21*)
Channasandra, Dr. Vishnuvardhan Road, Bengaluru - 560 098

Department of Electronics & Instrumentation Engineering
In association with
ISOI Student Chapter
cordially invite you for
One Week Virtual Technical Talk Series
on
"IoT in Industrial Instrumentation"
17th to 21st May, 2021
17th to 21st May, 2021

Guest Speakers		
Day 1 17-05-2021 Monday (2 p.m. to 3.30 p.m.)		**Dr. N C Shivaprakash** Department of Instrumentation, Indian Institute of Science, Bengaluru **Topic:** IoT- Applications in Biomedical Instrumentation, Healthcare and Pharma
Day 2 18-05-2021 Tuesday (2 p.m. to 3.30 p.m.)		**Mr. Sharath Acharya** Director of OT & IoT Security at Subex Bengaluru **Topic:** Future Factories - The Industry 4.0 Journey
Day 3 19-05-2021 Wednesday (2 p.m. to 3.30 p.m.)		**Mr. Rangaraj M A** Group Head Asset in Remote Sensing and Applications Centre, Udupi Retired as Deputy Director Indian Navy post successful discharging of duties as Intelligence, Security and NBCD Officer, Andhra Pradesh **Topic:** Sonar systems
Day 4 20-05-2021 Thursday (2 p.m. to 3.30 p.m.)		**Dr. S B Bhanu Prashanth** Professor, Medical Electronics B.M.S. College of Engineering, Bengaluru **Topic:** Wearable Sensors and Medical IoT - A conceptual overview

Chief Patron: Mr. Satish Shetty, MD, RNS Group
Patron: Dr. M K Venkatesha, Principal, RNSIT
Chief Coordinator: Dr. Andhe Pallavi, HoD, EIE Dept., RNSIT
Organizing Committee Members: Mr. G N Srikanth, Mr. Manohar P, Dr. Mallikarjun H M, Mr. Chetan Ghatage
Coordinators: Teaching & Non-teaching staff, Department of EIE, RNSIT
Contact: 9743207651, 9739364433
Online Registration Link: (Registration limit 100, First Come First Serve)
https://docs.google.com/forms/d/e/1FAIpQLSesvvFfZr8bTs50x6VsMrrM3w-JC8p0BHBPAHBjXNuYCAIPOQ/viewform?usp=sf_link
E-Certificate will be issued to participants

Online   *Meeting ID will be sent after registration*   Google Meet

DETAILED REPORT OF WORKSHOPS IN EIE DEPARTMENT

2019-20

Department of Electronics and Instrumentation Engineering

10T center of Excellence

27/02/21

Arduino uno lab

Key note speaker: Dr. Andhe Pallavi

Resource persons: Dr. Mallikarjun H M, Dr. Madhura G

Hands on:

G N Srikanth, P Manohar , Latha P, Savitha S J, Shalini,Sneha G C, Chetan Ghatage

Department EIE has conducted Arduino uno lab series under IOT center of Excellence for 33 hours as beyond curricular content. Open-source approach is essential tools that empower and support students as they progress through filling a gap between industry and academia. This lab series event started with the key note address by Dr. Andhe Pallavi, HOD, Dept. EIE. She presented need of developing coding skills and concepts of interfacing in hardware design for real time applications ofIoT.

Dr. Mallikarjun H M, Dr. Madhura G presented introductory modules, methods, interfacing experiments, 10T by using Arduino kit. Experimentation (hands on experiments) in lab was conducted in multiple sessions for individual skill set enhancement. A test with viva voce was conducted at the end of the course.

DETAILED REPORT OF WORKSHOPS IN EIE DEPARTMENT

2018-19

Department of Electronics and Instrumentation Engineering

New Horizons in Machine Learning and Artificial Intelligence

10/26/2019

'New Horizons in Machine Learning and Artificial Intelligence'

Dr. Harish Chouhan
Chief Technical Officer
E-AI-GLE Systems
Bengaluru

Dr. Harish Chouhan gave a splendid presentation which exposed the students to various sectors in Artificial Intelligence, Machine Learning and Deep Learning. All the students and staff appreciated and were benefited from his views on the subject.

Department of Electronics and Instrumentation Engineering

Scope of Biomedical Engineering and Importance of Skill Training

Date	05-04-2019
Timing	12pm - 2pm
Speaker	Mr. Anbarasan Senior Trainer in Harvey Biomedical Bengaluru

DETAILED REPORT OF WORKSHOPS IN EIE DEPARTMENT

2017-18

Department of Electronics and Instrumentation Engineering

6/02/18

Python lab

Key note speaker: Dr. Andhe Pallavi

Resource persons: Sandhya,Madhura G, Shalini,Sneha, Latha P

Hands on:

G N Srikanth, P Manohar , Latha P, Savitha S J, Shalini,Sneha G C, Chetan Ghatage

Department EIE has conducted Python lab for 20 hours as beyond curricular content. Open-source tools empower and support students as they progress through filling a gap between industry and academia. This lab series event started with the key note address by Dr. Andhe Pallavi, HoD, Dept. EIE. She presented the need of developing coding skills and concepts of interfacing in hardware design for real time applications of IoT.

A test with viva voce was conducted at the end of the course.

DETAILED REPORT OF WORKSHOPS IN CIVIL DEPARTMENT 2021-2022

Department Of CIVIL Engineering

ACET FORUM

Presents

One day Technical Talk

"CONCRETE IN CHEMICAL ENVIRONMENT"

Venue: PLACEMENT SEMINAR HALL

Saturday 21ST MAY 2022

9:30AM – 1:00PM

INTRODUCTION :

All Stake holders in any Construction project necessarily need to have proper

understanding of concrete which is a intrinsic advantages that CONCRETE provides. To ensure that maximum benefit adopting Concrete, one also needs to have a proper understanding of Design, preparation and placing of this amazing material. The talk was organized by the department of Civil engineering for the benefit of students especially of VI semester & VIII semester also participated in this technical talk as well.

The talk also emphasized on micro characterization, Research opportunities in the field of concrete in Chemical environment.The talk was hosted by students of VIII and VI semester students.

The talk was inaugurated by Er. Nagesh Puttaswamy, RMD South Zone Ultra -Tech cement ltd., Bengaluru, Department of Civil engineering,National Institute of Technology Karnataka (NITK),Surathkal, Mangalore and Dr. M T Prathap Kumar

All Stake holders in any Construction project necessarily need to have proper concrete which is a versatile material, as well as understand the immense intrinsic advantages that CONCRETE provides. To ensure that maximum benefit one also needs to have a proper understanding of Design, preparation and concrete.

The talk was organized by the department of Civil engineering for the benefit of students especially of VI semester & VIII semester.Faculty members and students from other colleges also participated in this technical talk as well. The talk also emphasized on the performance of concrete in chemical environment and its Research opportunities in the field of concrete technology.

The talk was hosted by students of VIII and VI semester students.

RNS INSTITUTE OF TECHNOLOGY

Department of Civil Engineering

Five-Day Workshop On Advanced Applications of Surveying Using Total Station

Five-day WORKSHOP ON ADVANCED APPLICATIONS OF SURVEYING USING TOTAL STATION was held in the department of Civil Engineering between March 21-March 26 , 2022. Mr. Mr. Ayanakanti Murali babu Senior vice president E surveying softech India private limited Bengaluru inaugurated the event with a technical talk presided by hands on session for THREE DAYS. The workshop was attended by faculty members and students of V semester BE(CV). The technical talk introduced to the students the concepts of TOTAL STATION, surveying concepts of use of the equipment. Three day hands on session enabled the students to understand the working principle of total station. Students were guided to do specific survey work such as highway alignment. A total of FIVE TOTAL STATIONS were used to guide the participants (around 70 numbers) and all the participants were well acquainted of the total station concept at the end of fourth day. They were also guided to process the data using AutoCAD software. Internal Resource persons Prof.Mahadeva M, Prof.Meghan Gowda J S, Prof. Maheen R Gogeri, Prof. Dharmesh N, Prof. Arjun P, Prof. Ravi Kumar and Prof. Madhusudhana Y B were actively involved in the conduction of workshop and guiding the participants in understanding the concepts of total station. The workshop ended with Technical talk on Civil 3D for roadway design-An insight by Mr. Puneeth M S Assistant Professor in Civil Engineering, Bangalore institute of technology, Bangalore who apprised the participants of use of Civil 3D in advanced surveying. The technology explained by the speaker made the participants to understand that the use of Civil 3D for roadway design can enable complex topographical surveys to be completed quickly. The certificates were distributed to the participants by the speaker in the day. All the participants gave a good feedback about the conduction of the workshop.

DETAILED REPORT OF WORKSHOPS IN CIVIL DEPARTMENT 2020-2021

RNS INSTITUTE OF TECHNOLOGY

Department of Civil Engineering

Five-Day Workshop On Advanced Surveying Using Total Station

Five-day WORKSHOP ON ADVANCED SURVEYING USING TOTAL STATION was held in the department of Civil Engineering between March 29-April 3, 2021. Mr. Sabareshwaran S Assistant Professor (Senior), Department of Civil Engineering JNNCE, Shivamogga inaugurated the event with a technical talk presided by hands on session for THREE DAYS. The workshop was attended by faculty members and students of V semester BE(CV). The technical talk introduced to the students the concepts of TOTAL STATION, surveying concepts of use of the equipment. Three day hands on session enabled the students to understand the working principle of total station. Students were guided to do specific survey work such as highway alignment. A total of FIVE TOTAL STATIONS were used to guide the participants (around 50 numbers) and all the participants were well acquainted of the total station concept at the end of third day. They were also guided to process the data using AutoCAD software. Internal Resource persons Prof. Dharmesh, Prof. Arjun and Prof. Ravi Kumar were actively involved in the conduction of workshop and guiding the participants in understanding the concepts of total station. The workshop ended with Technical talk on Drone Technology by Mr. Neel Sagar Ganeshan ALFA Drone Technology Bengaluru who apprised the participants of use of DRONE technology in advanced surveying. The technology explained by the speaker made the participants to understand that the use of DRONES can enable complex topographical surveys to be completed quickly. The certificates were distributed to the participants by the speaker in the day. All the participants gave a good feedback about the conduction of the workshop.

DETAILED REPORT OF WORKSHOPS IN MCA DEPARTMENT 2019-2020

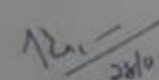# Department of Master of Computer Applications
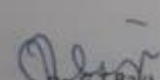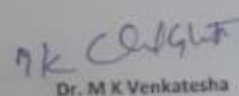
Date: 28/01/2019

Invitation

In-House Faculty Development Programme on **"Big Data Analytics and Hadoop"** has been organized by department of MCA and is scheduled from 31st Jan to 01st Feb 2019. This is an In-house workshop to encourage faculty to encourage faculty to learn Big Data Analytics since it is newly introduced in the syllabus. In this regard, we cordially invite you for Inaugural function and request you to kindly depute the interested faculties.
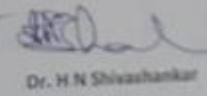
Venue: Lab 1, MCA Dept, ACA Block -II

Time: 9:00 AM

Dr. N P Kavya
HoD, MCA

Dr. G T Raju
Vice –Principal & HoD, CSE

Dr. M K Venkatesha
Principal

Dr. H N Shivashankar
Director

DETAILED REPORT OF WORKSHOPS IN MCA DEPARTMENT 2018-2019

Ref. No. - RNSIT / 20 _18_ - 20 _19_ : _326_ /   Date : _27/6/18_

3-day Faculty Development Programme on
Mobile Applications
July 25 – 27, 2018
Organized by
Department of Master of Computer Applications

Chief Patron: Dr. R N Shetty, Chairman
Chairperson : Dr. H N Shivashankar, Director

Organizing Chair:
Dr. M K Venkatesha
Principal

Convener:
Dr. N P Kavya
Professor & Head, MCA Dept.

Organizing Committee:
Dr. G T Raju, Vice-Principal,
Prof. and HoD - CSE

Dr. M V Sudhamani,
Prof & HoD-ISE

Dr. Rajani Narayan, Assoc. Prof.

Dr. Chetana Hegde, Assoc. Prof.

Mrs. Shwetha G N, Asst. Prof.

Ms. Jyothi T, Asst. Prof.

Mrs. Rajatha S, Asst. Prof

Coordinators:
Mr. Vishwanath Murthy
Asst. Professor

Mr. K V Rama Satish
Asst. Professor

To,
The Registrar
VTU, Belagavi

Dear Sir,

Sub: 3-day FDP on "Mobile Applications" during July 25-27, 2018.

RNSIT, an institution with a difference, is an unaided institution established in the year 2001 by Dr. R N Shetty, a well known industrialist, philanthropist and an educationist. It is built on a 160-acre clean-green campus, managed by a highly committed, proactive, non-interfering management, with a mission to impart high quality education, enabling graduates to excel in their career. The institute offers undergraduate courses in CS, IS, EC, IT, EE, ME, CV & Post Graduate courses in MCA, MBA, M.Tech (CSE) & M.Tech (VLSI Design & Embedded Systems). Six Departments have been recognized by VTU as Research and Development Centers.

We are pleased to inform you that the Department of Master of Computer Applications is organizing a 3-day faculty development programme on Mobile Applications, July 25–27, 2018. The objective of this FDP is designed to learn and implement the principles of mobile applications (app). FDP covers a variety of topics in mobile app development such as: Introduction to mobile app development, applications development for Android systems using Java Android environment setup and architecture, Android User Interface (UI) layouts and control, iOS mobile applications development using Objective-C programming, UI design in iOS and Windows mobile applications development using C# and XAML programming languages.This FDP emphasizes on hands on approach and provides solution for all experiments in Mobile Applications Laboratory [16MCA58].

We request you to kindly circulate the FDP brochure attached herewith among all Engineering Colleges affiliated to VTU offering MCA programme.

Thank you
Yours faithfully

(Dr. M K Venkatesha)
Principal

PRINCIPAL
RNS Institute of Technology
Channasandra, Bengaluru-560 098

DETAILED REPORT OF WORKSHOPS IN MBA DEPARTMENT 2021-2022

MyMike Season 3 - 2022 (12 May, 2022)

RNSIT-MBA Department, Bengaluru successfully organized a mega event, MyMike – season 3 (box of untold stories) on 12th may 2022. It was an intriguing session for the students & other distinguished audience to get inspired by acknowledging the renowned speaker's narratives from different spheres of domain, who have contributed immensely to the society, regardless of their struggles & the way they Exuded their character & mettle their challenges, have garnered them with myriads of accolades & titles, which made them to stand still as epitome of 'Humanitarians'

The 3rd season of Mega event was inaugurated on 12h May by the esteemed chief guest Dr. Siddhalinga Swamiji, president of Shri Siddaganga Math, who was also one of the eminent speaker of the event, Managing Director of RNS groups Mr. Sathish R Shetty, Principal of RNSIT Dr. M K Venkatesha, Head of RNSIT-MBA Department Dr. U Bhojanna, program director Mr. Rakesh Nagaraj, followed by student co-ordinators from various committee's.

The session had begun with Dr. Siddhalinga Swamij's speech, where swamiji have enthralled the audience by quoting Abdul Kalam quote which reads as "Don't read success stories, you will only get a message. Read failure stories, you will get some ideas to get success". Speaker have also addressed the audience on a note of remarkable deeds done by Siddhaganga mutt without cast & creed, Wished the success for MyMike, season-3.

MyMike Season 3 - 2022 (12 May, 2022)

The other eminent speakers of the event included Smt. Vijayalakshmi Shibaroor, investigate journalist, amused audience by sharing her journey & exuded the gritness in her achieving her ambitions, followed by Captain Naveen Nagappa, Kargil war veteran, Filled the hall with patriotism by sharing his sheering experience's on battle field, entire audience were completely immersed & reverberative with the speech, the next speaker was Vidwan Sridhar Sagar, Saxophonist, had allured the hall with his mesmerizing saxophone performance & it's mellow music, followed by Padma Shri awardee H N Girisha, Paralympian, had captivated the event with his amazing journey & how he overcome his hardships with grit & grace attitude, Smt. Anuradha T K, Padma Shri awardee Harekala Hajabba, Padma Shri awardee Amai Mahalinga Naik(Tunnel Man), Smt. Ashwini Angadi, Shri S N Sandesh Kumar have engrossed the audience with their intriguing speech & shared their journey and how they paved a new avenue for themselves & etched their names in the book of inspirational stories with determination & discipline & stood as role models for many & set an exemplary journey, connoting to it, the audience have witnessed these amazing personalities & where they have acquired innumerable insights & valuable thoughts.

Students across Karnataka were part of MyMike- Season 3 and were spontaneous in making the event, a mega hit in a grandeur level.

DETAILED REPORT OF WORKSHOPS IN MBA DEPARTMENT 2020-2021

MyMike Season 2 - 2021 (25-26 March, 2021)

MyMike is a learning and life experience for students to look up to and hear the stories of various eminent personalities and be inspired. Stories of experience, courage, ambitions and contribution to society is the crux of MyMike. RNSIT-MBA Department organizes a program called MyMike - Box full of untold stories which is a learning experience filled with opportunities for the students to get inspired by hearing renowned speakers from different walks of life, who have contributed immensely to society. This event motivates the students to develop leadership qualities & contribute to society. Students across Karnataka were part of MyMike as audience.

DETAILED REPORT OF WORKSHOPS IN MBA DEPARTMENT 2019-2020

MyMike Season 1 - 2019 (19 & 20 September, 2019)

RNSIT MBA DEPARTMENT hosted The Day 1 of MY MIKE - A box full of Untold Stories on 19th September 2019. Various personalities from different walks of life - Dr. C N Manjunath (Director, Sri Jayadeva Institute of Cardiovascular Sciences and Research), Sri. B S Srinivas (Vedatma Animation Studios), Smt. Sarasa Vasudevan (Co-founder, Vishranthi), Sri. N M Prathap(Young Scientist, Drone Boy Of India), Sri.Girish R Gowda(Kick boxer) and Sri. Sasidhar Nandigam(Co director and CSO-Credr) graced the session and shared their valuable stories with the students.

The Day 2 of MY MIKE - A box full of Untold Stories was hosted by RNSIT MBA DEPARTMENT on 20th September 2019.Various personalities from different walks of life - Sri. Anirudh S Dutta (Social Entrepreneur), Sri. T. Raja popularly known as 'Autoraja' (Founder - New Arc Mission, Home of hope), Smt. Revathi Venkataraman(Former President-AWAKE), Sri. Navaneetha Krishna (Sports Presenter, RCB 12th Man Host) and Sri. Karthick Patar (Standup Comedian, Ventriloquist) graced the session and shared their valuable stories with the students.

Report on International Conference on Research in Business management and Information Technology (ICRBIT-2019), 25-26, April 2019

The department of MBA & MCA jointly organized an International conference on Research in Business Management and Information Technology (ICRBIT -2019) during 25-26, April 2019. ICRBIT provides a forum for researchers, business analysts, Students and professionals from both academia and industry across the globe to exchange knowledge, experience and new ideas. Further, it served as a platform in various aspects of Research in Business, Management and Information Technology and challenges encountered. Out of 98 research papers received, only 51 papers were shortlisted for the presentation.