RAJEEV EDUCATION TRUST®

Rajeev Institute of Technology, Hassan

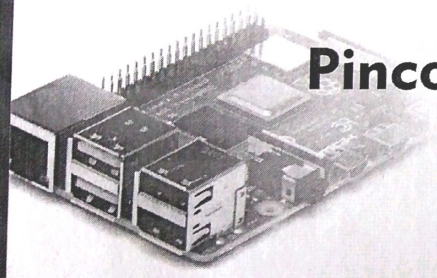
Electrorit

Two Days' Technical Workshop on

Raspberry Pi and Python

by

Pincore Technologies India Pvt. Ltd.



FOR E & CE STUDENTS

in association with IETE

ON

17th & 18th February, 2020

Place: RIT Campus, Hassan

Report on Two day Workshop on *"Raspberry Pi and Python"*

Organized by the Department of Electronics and Communication Engineering, Rajeev Institute of Technology, Hassan on 17th and 18th February 2020

Two day workshop on *"Raspberry Pi and Python"* was organized by the Department of Electronics and Communication Engineering, Rajeev Institute of Technology, Hassan on 17th and 18th of February 2020 for 6th semester students. 65 students were actively participated in the workshop.

The main idea of this workshop is to introduce the practicality of Python in embedded systems embedded systems and realizing its importance in real world. Also, making the students to identify and build their own small scale projects.

The workshop was conducted in technical association with Pincore Technologies India Pvt Ltd,. **Mr. Chiranth and Team**, Pincore Technologies India Pvt Ltd, Bangalore, were the resource persons.

The inaugural ceremony witnessed the presence of **Dr. A N Ramakrishna,** Principal, RIT, Hassan, **Dr. Dananjaya D A**, Vice Principal and HOD, Department of Mechanical Engineering, RIT, Hassan, **Dr. Aravind B N**, Professor & HOD, Department of Electronics and Communication Engineering, RIT, Hassan, the HODs of various departments, teaching and non-teaching faculties.

Dr. A N Ramakrishna, Principal, RIT inaugurated the workshop traditionally by lighting the lamp. In the motivational talk, he emphasized upon the importance of learning new technologies beyond syllabus. He also highlighted the importance of this workshop and the importance of Python in campus interview. Also, he encouraged to conduct similar workshop in future too.

Dr. Dananjaya D A, Vice Principal and HOD of Mechanical Engineering, highlighted the prominence of conducting workshops and inspired students to learn technologies from such workshops.

Dr. Aravind B N, Professor and HOD, Department of Electronics and Communication Engineering, welcomed the dignitaries, guests, faculties and participants.

Two day Workshop on
"Raspberry Pi and Python"

Overview

Embedded system is part and parcel of every-day life. For beginners, several development boards are available. At a stage higher, single board computers plays an important role. It can be used over a range starting from science projects up to final year UG projects. Also, several real time applications and IoT systems can be implemented.

Course Objective:

- An introduction to the vastness of Embedded systems in real world applications.
- Understanding concepts of Python.
- Understanding the details of Raspberry Pi and its use as a single board computer.
- To develop applications using Python on Raspberry Pi.

Course Outcome:

- Understand the Python programming concepts.
- Understand interfacing of various sensors to Raspberry Pi and programming it using Python.
- Design and implement mini projects.

Time	Topic	Comments
Day 1 (17-02-2020)		
Morning session		
9:30am-10:15am	**Inauguration**	
10:15am-10:30pm	***Tea break***	
10:30am-1:00pm	Introduction to Python	Introduction to the Embedded Systems and Arduino
	Introduction to Raspberry Pi	
	Python programming in Raspberry Pi: Interfacing LED and Buzzer	
1:00pm-2:00pm	***Lunch break***	
	Afternoon Session	
2:00pm-3:30pm	Creating time delays for LED and Buzzer.	Practical sessions
	Reading time and date and displaying it on screen	
3:30pm-3:45pm	***Tea Break***	
3:45pm-5:00pm	Interfacing IR sensor	Sensor interface

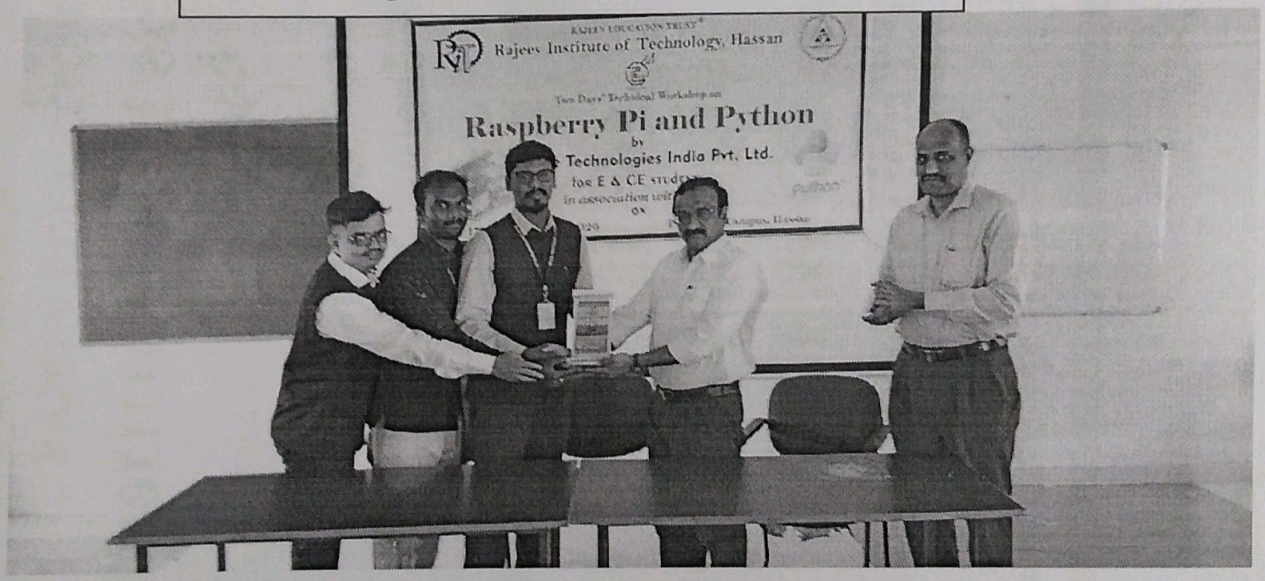
	Interfacing Touch sensor	
Day 2 (18-02-2020)		
Morning session		
9:15am-11:15am	Interfacing DHT11	Developing mini projects
	Touch sensor based buzzer on/off	
	Touch sensor based LED on/off.	
	Smart doorbell using touch sensor, LED and Buzzer	
11:15am-11:30am	***Tea break***	
11:30am-1:00pm	Connecting to Local Wi-Fi and designing a Web server to turn the LED on/off	Practical sessions & IOT
	GUI based Web server to control two applications	
1:00pm-2:00pm	***Lunch break***	
Afternoon session		
2:00pm-4:15pm	**Demonstration**	Demonstrations
	Moister sensor based irrigation system using, ADC, Moisture sensor and Relay and uploading data to Thingspeak cloud.	
4:15pm-4:45pm	**Valedictory & High-Tea**	

Resource Persons
Mr. Chiranth and Team Pincore Technologies India Pvt. Ltd. #10/1, 1st Main 7th Cross Sanjeevini Nagar Bangalore 72

Group photo during valedictory



Presenting memento during valedictory



RAJEEV INSTITUTE OF TECHNOLOGY
HASSAN- 573 201, KARNATAKA
(Affiliated to VTU, Belagavi., Approved by AICTE, New Delhi.)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref. No.: **Date: 23/09/2019**

To,

The Principal,
RIT, Hassan.

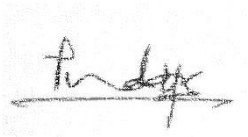
Respected Sir,

Sub: "Request to Conduct a 5-Day Workshop on Machine Learning"

With utmost respect the department of CSE organizing 5 days' workshop on Machine Learning on 30th Sep to 04th Oct 2019. The objective of this workshop is to introduce our students to the fundamental concepts of Machine Learning and enable them to gain hands-on experience in using popular tools and techniques. The workshop will be conducted by experienced industry professionals who are well-versed in the subject matter and are passionate about imparting knowledge to the next generation. We kindly request your approval and support in organizing this workshop. We sincerely hope that you will consider our proposal favorably and grant us permission to conduct this valuable workshop for the benefit of our students.

Thanking You

Yours Sincerely,



(Dr. Pramod H B)

RIT office : 08172-243180 & 08172-243181
E-mail : cshod@rithassan.ac.in
web : www.rithassan.ac.in

5 DAYS WORKSHOP ON "MACHINE LEARNING"

From 30-SEP-2019 to 4-OCT-2019

Organized by

Department of Computer Science and Engineering
Rajeev Institute of Technology, Hassan



Date: 30/09/2019 to 4/10/2019
Title: Machine Learning
Coordinators: Dr.Pramod H B
Associate Professor
Dept. Of CSE
RIT, Hassan

Resource Persons:

Mr. Vishwajeet S Rana
Corporate Trainer
Innovians Technologies
Bangalore
R.T. Nagar,
Bengaluru, Karnataka – 560032

Mr. Amith Shankar
Corporate Trainer
Innovians Technologies
Bangalore
R.T. Nagar,
Bengaluru, Karnataka - 560032

Course Objectives

The objective of the machine learning workshop is to provide participants with a comprehensive understanding of machine learning concepts and practical applications. Through this workshop, attendees will gain hands-on experience in building and deploying machine learning models, enabling them to apply machine learning techniques to real-world problems. By the end of the workshop, participants should be able to:

1. Understand the fundamental concepts of machine learning, including supervised and unsupervised learning, regression, and classification.
2. Apply data preprocessing techniques to clean, transform, and prepare data for machine learning models.
3. Utilize popular machine learning algorithms and frameworks to create predictive models.
4. Evaluate the performance of machine learning models using appropriate metrics and techniques.
5. Gain practical experience through hands-on exercises and real-world projects.

Course benefits

Overall, machine learning workshops offer a dynamic and interactive learning environment, equipping participants with valuable knowledge and skills that have practical applications in a wide range of industries. Whether one is a beginner looking to start their machine learning journey or a seasoned professional seeking to enhance their expertise, attending a machine learning workshop can lead to significant personal and professional growth.

Program schedule:

Machine Learning Workshop(30th sept 2019 to 4th Oct 2019)			
Date	**Session**	**Topics Covered**	**Speaker**
Day 1 Sept 30th 2019	**Inauguration(9:00 sm to 9:30 am)**		**Mr.Vishwajeet S Rana**
	Session 1(9.30 am-11:00 am)	Introduction to Machine Learning	
	Short Break(11:00 am to 11:15 am)		
	Session 2 (11:15 am to 12:30pm)	Data Collection and Preprocessing	
	Lunch Break(12:30 pm to 1:30 pm)		
	Session 3(1:30 pm to 3:00 pm)	Hands-on: Setting Up Python Environment	
	Short Break(3:00pm to 3:15 pm)		
	Session 4 (3:15 pm to 4:30 pm)	Basic Concepts: Feature Engineering	
Day 2 Oct 1st, 2019	**Session 1(9.30 am-11:00 am)**	Introduction to Supervised Learning	**Mr. Amith Shankar**
	Short Break(11:00 am to 11:15 am)		
	Session 2 (11:15 am to 12:30 pm)	Linear Regression and Logistic Regression	
	Lunch Break(12:30 pm to 1:30 pm)		
	Session 3(1:30 pm to 3:00 pm)	Hands-on: Linear Regression Implementation	
	Short Break(3:00pm to 3:15 pm)		
	Session 4 (3:15 pm to 4:30 pm)	Evaluation Metrics for Supervised Learning	
Day 3 Oct 2nd, 2019	**Session 1(9.30 am-11:00 am)**	Introduction to Unsupervised Learning	**Mr.Vishwajeet S Rana**
	Short Break(11:00 am to 11:15 am)		
	Session 2 (11:15 am to 12:30 pm)	K-Means Clustering	
	Lunch Break(12:30 pm to 1:30 pm)		
	Session 3(1:30 pm to 3:00 pm)	Hands-on: K-Means Clustering	
	Short Break(3:00pm to 3:15 pm)		
	Session 4 (3:15 pm to 4:30 pm)	Dimensionality Reduction with PCA	
Day 4 Oct 3rd, 2019	**Session 1(9.30 am-11:00 am)**	Introduction to Neural Networks	**Mr. Amith Shankar**
	Short Break(11:00 am to 11:15 am)		
	Session 2 (11:15 am to 12:30 pm)	Deep Learning and Feedforward Neural Networks	
	Lunch Break(12:30 pm to 1:30 pm)		
	Session 3(1:30 pm to 3:00 pm)	Hands-on: Building a Feedforward Neural Network	
	Short Break(3:00pm to 3:15 pm)		
	Session 4 (3:15 pm to 4:30 pm)	Convolutional Neural Networks (CNNs) Basics	
Day 5 Oct 4th, 2019	**Session 1(9.30 am-11:00 am)**	Introduction to Natural Language Processing	**Mr.Vishwajeet S Rana**
	Short Break(11:00 am to 11:15 am)		
	Session 2 (11:15 am to 12:30 pm)	Text Preprocessing and Tokenization	
	Lunch Break(12:30 pm to 1:30 pm)		
	Session 3(1:30 pm to 3:00 pm)	Hands-on: Text Classification with Naive Bayes	
	Short Break(3:00pm to 3:15 pm)		
	Session 4 (3:15 pm to 4:30 pm)	Workshop Conclusion and Q&A	
	4:30 pm to5:00 pm	**Feedback and Valedictory Session**	

INNOVIANS TECHNOLOGIES

Trainer Profile

Vishwajeet S Rana
(Corporate Trainer)

Professional Experience

- Acquired 6.0 years' experience in Python, Embedded Systems, Machine Learning, Artificial Intelligence (AI), IoT-Internet of Things, MATLAB, Neural Networks, Android Application Design and Development.
- **Machine learning and AI tools:** Theano, SciKit, NumPy, SciPY, SVM, Fuzzy Logic, Neural Network, Pandas, MatplotLib implemented to develop machine learning algorithms instances linear regression, backward propagation, forward propagation, gradient descent, svm classification
- Specialized in Firmware Development for 8/32-bit microcontrollers, peripherals.
- Sound knowledge of programming in MATLAB,Embedded C, Arduino, Microcontrollers.
- Experience in Embedded Software Development.
- Good understanding of Embedded Software design and development.
- Having good experience in the Integration testing and individual module testing, board level debugging, analyzing design issues, on board testing.
- Good knowledge in debugging the synthesis issues.
- Analytical ability to understand the system and its implementation.
- Delivered more than 200 Training for Corporates & Institute all over Indian including various NITs & IITs.

Technical Skills

Programming Languages: JAVA, C, MATLAB , Embedded C, Python3.x.x, R.
Microcontrollers: AVR, Arduino, 8051, ARM7, ARM9 (Atmel, Phillips)
ARM Boards: Raspberry Pi, Beaglebone Black, STM32F401 Nucleo-64, Discovery.
Tools: Atmel Studio 4.0/6.0,Eagle,KiCad, Designspark, Keil uVision-3/4/5, Mplab, Eclipse, MCU 8051 IDE, Visual Studio.
Protocols: RS-232, I2C, SPI, UART,X-Bee,Bluetooth.
Communication simulator: Hyper Terminal, SSCOM, Teraterm.
Interfaces: GSM, GPS module, LCD, RTC, ADC, Keypads, Heat Sensors, IR Sensors, 7-Segment display, Relay boards, Counter, DC Motor etc.
Operating systems: Windows XP/Windows 7/8/10, Embedded Linux (Open SUSE, Ubuntu).

Artificial Intelligence & Machine Learning:

Project & Tools Description

- Development all machine learning problems in python.
- Multilayer ANN concept by using Tensorflow.
- RNN and CNN using Tensor Flow
- TFLearn library implementation from scratch to Neural Network Designing & Programming single perceptron and multi-layer hidden layers network.
- Deployment of machine learning & AI with all the AI & scientific tools Theano, SciKit, sciPY, NumPy, SVM, Fuzzy Logic, Pandas, MatplotLib on Anaconda IDLE using Python Jupyter,

INNOVIANS

Trainer Profile

Spider, IP[y] QT console.

- Regression problem, Gradient Descent Algorithm problem solving
- Implementation & development of supervised and unsupervised learning using python with pandas, MatPlotlib.
- Neural Architecture, designing Neural Network models with data training, correct prediction model, Forward propagation, backward propagation implementing by NumPY, Scipy, MatPlotLib,
- Intelligent prediction making problem models and implementation using Fuzzy Logic. Implementing formulation, defuzzification, rule base in training problem models for intelligent machine.
- Sklearn library implementation in machine learning.
- Database mining in machine learning, importing and exporting training data.
- SVM Classification, NLP.

Work Experience

- Working as Lead Trainer for Innovians Technologies from Jan, 2017.
- Worked as Sr. Research Engineer with Entrench Electronics Pvt. Ltd. From Nov, 2015 till Dec, 2016.
- Worked as Sr. Research Engineer with Robosapiens Technologies Pvt. Ltd. From Jul, 2013 till Nov, 2015.

Research Paper:

Successfully completed a project titled "**A New Multi-Resonant Frequency Microstrip Antenna with U-Shaped Patch for Wireless Communication**," Vishwajeet Singh Rana and Subodh Kumar Tripathi, International Journal of Computational Engineering & Management, ISSN: 2230-7893, Vol. 15, no. 4, pp. 17-19, Jan 2012

Education

B.Tech in Electronics & Communication Engineering.

AmithShankar

(Corporate Trainer)

SUMMARY

Example - 9+ years experienced ML Engineer with proven success in building successful algorithms & predictive models for different industries. Highly adept at clustering &classification, web scraping, data analysis & visualization to increase business efficiency. Passionate engineer & thriving analyst with the ability to apply ML techniques & algorithm development to solve real- world business problems.

KEY SKILLS

• Data Visualization • Predictive Analysis • Statistical Modeling • Training & Mentoring • Clustering & Classification • Data Analytics • Data Mining • Quantitative Analysis • Web Scraping • ML Algorithms • Model Development

TECHNICAL SKILLS

• Tools: Python, PostgreSQL, AWS, Hive, MongoDB, MapReduce, Spark,Linux
• Packages: Scikit-Learn, NumPy, SciPy, Pandas, NLTK, BeautifulSoup,Matplotlib, Statsmodels, Jupyter Notebook
• Statistics/Machine Learning: Statistical Analysis, Linear/Logistic Regression, Clustering, Graph Theory,Regularisations

PROFESSIONAL EXPERIENCE

Company Name: Innovians Technologies

Regression Modelling

- Compiled pricing data for competitive analysis by performing web scraping in Python
- Supervised model development, testing & validation of 100+ financial products and services
- Created charts in Jupyter Notebook to perform preliminary analysis & visualize data using Matplotlib

Predictive Modelling & Algorithm Development

- Predicted stock price with 98% accuracy to enable the company to make informed investments
- Determined optimal pricing strategies to facilitate the management of funds & achieve revenue goals
- Made multiple touch sensitive ML systems in all the officefloors to improve the company's safety networks
- Devised high-performance ML systems to detect abnormality, intrusion, fraud, masquerading, malware, etc.
- Developed an algorithm to understand customer behaviour leading to 95% success in targeted marketing

campaignsClustering & Classification

- Conceptualized & implemented a sentiment analysis tool torate the financial competence of companies
- Originated a recommendation engine to suggest an ideal cluster price for financial services offered by top companies

Leadership, Mentoring & Program Innovation

- Led a group of 10+ML Interns in producing a workable model to optimize the company's financial transactions
- Recruited & trained 5+ ML interns and supervised the project that were assigned to them as part of the internship
- Conducted 5+ ML workshop programs on the fundamentals of Python & machine learning to up-skill current employees

Education:

B.E in Computer Science and Engineerin

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(1)

Attendance - 'Machine Learning' Workshop(30/09/2019 to 04/10/2019)

Sl. No.	USN	Name of the Student	30/09/2019		01-10-2019		02-10-2019		03-10-2019		04-10-2019	
			Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon
1	4RA16CS001	AJITH										
2	4RA16CS002	AKASH C P										
3	4RA16CS003	AKSHITHA G R										
4	4RA16CS005	ANUSHA G P										
5	4RA16CS006	APEKSHA K GOWDA										
6	4RA16CS007	APOORVA E										
7	4RA16CS008	ARCHANA B C										
8	4RA16CS009	ARCHANA K M										
9	4RA16CS010	AYESHA SAMREEN										
10	4RA16CS011	B H DEEPIKA										
11	4RA16CS013	B S SURABHI										
12	4RA16CS016	BHUMIKA L										
13	4RA16CS017	CHAITRA P										
14	4RA16CS018	DARSHAN M N										
15	4RA16CS019	DEEKSHITH S P										
16	4RA16CS021	DEEPIKA K										
17	4RA16CS024	DHANYA K N										
18	4RA16CS025	DHANYASHREE K S										
19	4RA16CS026	DIVYA A S										
20	4RA16CS027	DIVYASHREE K										
21	4RA16CS029	HAJEERA KHANUM										
22	4RA16CS030	HIMALAKSHI K S										
23	4RA16CS035	KRUTHIKA S S										
24	4RA16CS036	LAVANYA S V										
25	4RA16CS038	LIKITHA PAL S D										
26	4RA16CS039	LOHITH A D										
27	4RA16CS042	MANISH KUMAR DEV										
28	4RA16CS043	MEGHANA G S										
29	4RA16CS045	MEGHANA M L										
30	4RA16CS049	MOHANKUMAR M C										
31	4RA16CS051	MOULYA K N										
32	4RA16CS053	NAMRATHA B.M										
33	4RA16CS056	NISARGA CHANDANA C										
34	4RA16CS057	NISCHITHA S KRISHNA										
35	4RA16CS059	NUTHAN B P										
36	4RA15CS095	SRIVIDYA C V										
37	4RA15CS109	VARUN H H										
38	4RA16CS015	BHAVANI J D										
39	4RA16CS037	LIKITHGOWDA H										
40	4RA16CS044	MEGHANA H A										
41	4RA16CS058	NOOR FATHIMA										
42	4RA16CS066	PRAJITHA M J										
43	4RA16CS068	PREETHALATHA S R										
44	4RA16CS069	PRIYA R										
45	4RA16CS070	RAGINI H P										
46	4RA16CS071	RAHUL H R										
47	4RA16CS072	RAJATH S KOUSHIK										
48	4RA16CS073	RAKESHGOWDA R										
49	4RA16CS084	SAVERA KULSUM										
50	4RA16CS085	SHAMANTHKUMAR S V										
51	4RA16CS086	SHIFA MARYAM										
52	4RA16CS087	SHREESHA										
53	4RA16CS088	SHWETHA T.R.										
54	4RA16IS026	SADIKABANU										
55	4RA16IS031	SNEHA K V										
56	4RA16IS032	SOUNDARYA B C										
57	4RA16IS035	SUSHMA N										
58	4RA16IS013	HARSHITH D										
59	4RA16IS027	SANGEETHA L										
60	4RA16IS030	SINDHU K R										
61	4RA16IS037	VISHNUPRIYA										
62	4RA16IS003	ASHA H M										
63	4RA16IS005	BHOOMIKA M N										
64	4RA16IS007	CHANDANA M T										
65	4RA16IS017	MANU H B										
66	4RA16IS002	AISHWARYA SHETTY C S										
67	4RA16IS015	KSHEMA H K										

68	4RA16IS021	PALLAVI ODEYAR										
69	4RA16IS022	PALLAVI S B										
70	4RA16IS001	ABHIJITH M R										
71	4RA16IS024	PREM KUMAR MENDEM										
72	4RA16IS036	VINUTHA J										
73	4RA16IS038	ZAINABKOUSAR										
74	4RA15IS013	HARSHITHA M S										
75	4RA15IS028	PRASHANTH .K GOWDA										
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80	4RA15IS024	NISHITHA H P										
81	4RA16IS010	GANAVI K										
82	4RA15IS009	AYESHA SIDDIQA										
83	4RA16IS012	HAMAD ASLAM										
84	4RA16IS028	SHABISTA TABASSUM										
85	4RA16IS029	SHASHANK M M										

Signature of HOD

Feedback analysis:

5 days' workshop on Machine Learning (30/9/2019 to 4/10/2019)

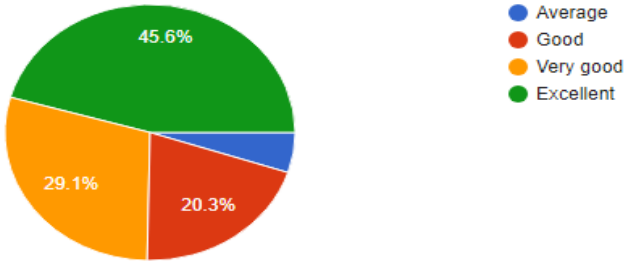
Feedback Form for "Machine Learning" workshop

Form description

Resource Persons Quality of Presentation

Copy

79 responses



Resource persons knowledge of the subject

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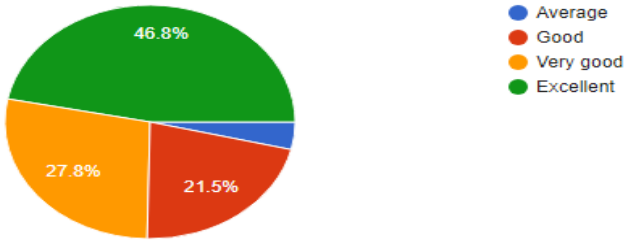
79 responses



Resource Persons were responsive to participants questions.

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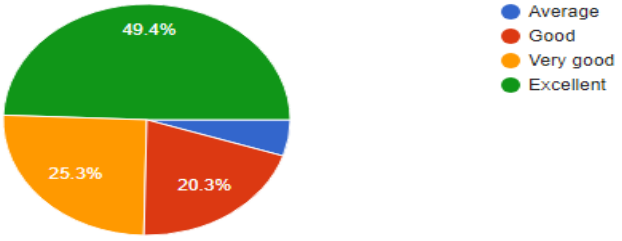
79 responses



Overall Satisfaction

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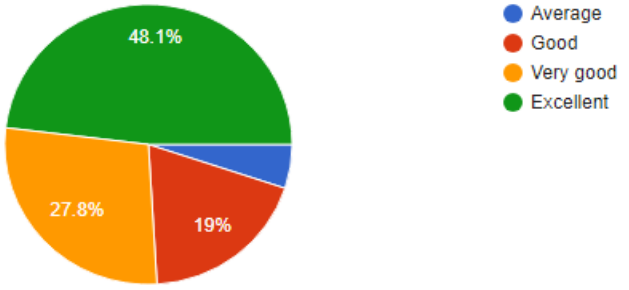
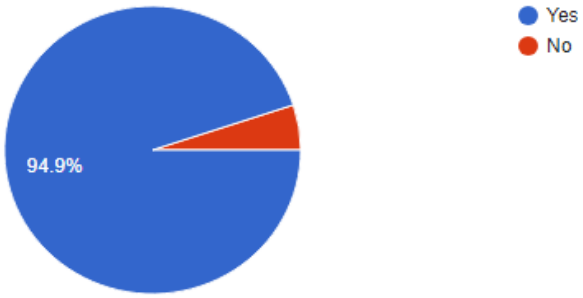
79 responses



Will you be interested in attending similar workshops?

Copy

79 responses



Certificates:





Photos:


Rajeev Institute Of Tecnology,Hassan
Welcome To
National Level Workshop On
MACHINE LEARNING


MACHINE LEARNING





Report on Machine Learning workshop(30th Sept 2019 to 4th Oct 2019)

Department of Computer Science and Engineering, organized 5 days workshop on "Machine Learning, from 30-09-2019 to 4-10-2019.The workshop started with greetings and inviting the dignitaries and trainers by Dr Prakash H N, professor and Head,Department of CSE, RIT, Hassan.

Day 1:

The Machine Learning Workshop offered an immersive learning experience that covered a range of essential topics. The introductory session provided participants with a clear understanding of machine learning's core principles and the diverse categories it encompasses. Subsequently, the exploration of data collection and preprocessing highlighted the significance of data quality for effective model development.
The hands-on session enabled participants to set up a Python environment and gain practical skills for data analysis. In the discussion on feature engineering, participants learned how to select and preprocess features to enhance model performance. The workshop's blend of theory, practical exercises, and real-world examples ensured a comprehensive grasp of machine learning's fundamentals and their application in solving complex problems.

Day 2:

The second day of the workshop focused on the realm of supervised learning, imparting a comprehensive understanding of its principles and practical application. Building upon this foundation, detailed discussions on linear regression and logistic regression illuminated the concepts of predictive modeling and classification. The hands-on session enabled participants to translate theory into practice by implementing linear regression, fostering a hands-on understanding of algorithm implementation.
The significance of accurate model evaluation was underscored during the evaluation metrics session, stressing the importance of metrics like accuracy, precision, recall, and F1-score in measuring model performance.

Day 3:

The third day of the workshop delved into the realm of unsupervised learning, expanding participants' horizons on clustering and dimensionality reduction techniques. The introduction to unsupervised learning set the stage for the day, highlighting its importance in pattern discovery and data exploration.
The K-Means Clustering session delved into one of the most popular clustering algorithms, elucidating its mechanisms and applications. . In the hands-on segment, participants engaged in practical implementation, experiencing firsthand the process of using K-Means to group data points.

Day 4:

The fourth day of the workshop was dedicated to the exciting domain of neural networks and deep learning. Beginning with an Introduction to Neural Networks, participants were introduced to the foundational principles and architectures of these powerful algorithms.

The subsequent session on Deep Learning and Feedforward Neural Networks provided a deep dive into constructing neural networks and understanding their layered structures. The hands-on segment enabled participants to practically implement their knowledge by building a Feedforward Neural Network, fostering practical expertise in neural network development.

Day 5:

The final day of the workshop delved into the intriguing world of Natural Language Processing (NLP). The Introduction to NLP session provided participants with a comprehensive overview of NLP's significance in analyzing and processing human language. Text Preprocessing and Tokenization followed, shedding light on the essential steps in preparing text data for analysis. The hands-on segment allowed participants to put their knowledge to practical use by engaging in Text Classification with Naive Bayes, showcasing the application of NLP techniques.
The workshop concluded with a Workshop Conclusion and Q&A session, providing participants with an opportunity to reflect on their learning journey, clarify doubts, and engage in a final exchange of ideas.

RAJEEV INSTITUTE OF TECHNOLOGY
Plot # 1 (D), Growth Centre, Bangalore-Mangalore Bypass Road, HASSAN- 573 201, KARNATAKA
(Affiliated to VTU, Belagavi., Approved by AICTE, New Delhi., Recognized by Govt. of Karnataka)
Department of Civil Engineering

Dated 02/02/2023

To,

The Principal
Rajeev Institute of technology
Hassa-573201

Through,
The H.O.D
Department of Civil Engineering
R.I.T, Hassan.

From,
Mrs. Supriya C.L
Assistant professor
Department of Civil Engineering
R.I.T, Hassan.

Respected Sir,

Subject: Requesting permission to Organize Five Day Workshop on **"Building information modelling using Auto desk revit architecture"**

With respect to above subject, we would like to bring to your kind notice that we are planning to organize Five days Workshop on **"Building information modelling using Auto desk architecture"** for the benefit of the student on 26th Febrauary to 2nd March 2019. Resource Person for the workshop is Ms. Kalyani. Technical Engineer from ICT Academy
In this regard we kindly request you to give the permission to conduct the workshop

Thanking You

Supriya C.L 02/02/2023

Yours Sincerely
Mrs. Supriya C.L
Assistant professor
Department of Civil Engineering
R.I.T, Hassan.

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Department of Civil Engineering

REPORT ON 2 DAYS WORKSHOP

"Building Information modelling using Auto desk revit Architecture "

Date: 26th Febrauary 2019 to 2nd March 2019

Event Co-ordinator

Mrs. Supriya C.L

Department of Civil Engineering

R.I.T, Hassan

Chief Patron

Dr. A.N. Ramakrishna
PRINCIPAL
R.I.T
Hassan

Convenor

Mr. Sujay.S
H.O.D
Dept of Civil Engineering
Hassan

The Department of Civil Engineering has conducted a 5 days workshop on "Building information modelling using Auto desk Revit Architecture " from 26th Febrauary 2019 to 02nd March 2019 by Ms. Kalyan, Technical Engineer from ICT Academy in CADD lab of the Civil and Mechanical Engineering block of Rajeev Institute of Technology, Hassan. The Workshop was targeted to Final year Students. A detailed report regarding the events furnished below.

Date: 26th Febrauary 2019 to 2nd March 2019

Title: Workshop On " Building Information modelling using Auto desk Revit architecture"

Coordinators: Mrs. Supriya C.L

Timings: 10:00 AM to 5:00 PM

Resource Person: Ms. Kalyani
Technical Engineer
ICT Academy, Hyderabad

Meeting Platform : Offline, hand's on

Objective of the Programme

- Analyse & design the BIM using Auto desk Revit Architecure

Outcome of the Programme

At the end of the workshop, students were able to create Building Model and also elevation of the building usin revit architecture , they learnt about all the shortcuts of creating models, in the BIM rendering of the elevation is very much important, they started using all the tools & also learnt about usage of tools in the software, they started creating single components like staircase, windows, walls, beams, slabs ect, soon after lerning creation of single component, they learnt about creation of Single storie & Multy storie building and also they gained knowledge about 3D rendering, walkthroug of the model, ect.

How it benefitted the students:

An opportunity for students to understand and to create the Models & 3D Elevation of model using BIM Software, so that being a budding Civil engineer, they can independently create any model, any elevation with rendering with their own imagination before construction of any building, by this they will be having clear picture of a building with the Pro's & Con's of the Building.

Head of the Department
Department of Civil Engineering
Rajeev Institute of Technology
HASSAN

DEPARTMENT OF CIVIL ENGINEERING

SYNOPSIS

Title: Exhibition Visit to ACE (ARCHITECTURE, CONSTRUCTION & ENGINEERING) at Bangalore International Exhibition Center (BIEC) on 19-10-2019.

Faculty coordinators: Mr. Sanjay Kumar A C, Assistant Professor, Dept. of Civil Engg, RIT
Mr. Rakesh C, N, Mr. Ananath H V, Mr. Chethan , Ms. Rashmi A S, Ms. Vani A
Assistant Professor, Dept. of Civil Engg, RIT

Attendees: 5th, 7th Semester students of the Civil Engineering department.

1. **Objective:**

The objective of the exhibition visit was to provide the 5th and 7th semester Civil Engineering students with an opportunity to explore the latest trends, innovations, and advancements in the field of design, architecture, building, and construction. The visit aimed to enhance the students' knowledge, broaden their perspectives, and expose them to real-world applications of the concepts they learned in their coursework. students' knowledge, broaden their perspectives and expose them to real-world applications of the concepts they

2. **About the Activity/Exhibition:**

The ACE (Architecture, Construction, and Engineering) exhibition held at the Bangalore International Exhibition Center (BIEC) on 19-10-2019 was a prominent event in the construction and design industry. It showcased a wide range of products, technologies, services, and solutions related to architecture, interior design, construction materials, building systems, and sustainable practices. The exhibition featured numerous exhibitors from different sectors, including construction companies, architectural firms, material suppliers, technology providers, and more.

3. **Outcome:**

The exhibition visit provided the Civil Engineering students with valuable insights and practical knowledge in various aspects of their field. They had the opportunity to interact with industry professionals, experts, and exhibitors who shared their expertise, experiences, and knowledge. The students witnessed the latest trends and advancements in construction materials, architectural designs, and building technologies firsthand. They also gained exposure to innovative construction techniques,

sustainable practices, and emerging technologies such as 3D printing and smart buildings.

4. **Benefit to Students**:

1. Enhanced Industry Knowledge: The exhibition visit allowed students to stay updated with the latest trends, materials, and technologies in the construction industry. It broadened their understanding of current practices and provided exposure to new concepts.

2. Networking Opportunities: Students had the chance to interact with professionals from various fields, including architects, engineers, contractors, and suppliers. This networking opportunity could be valuable for future career prospects, internships, and insights into industry practices.

3. Practical Application of Knowledge: The exhibition showcased practical applications of the theoretical concepts learned in the classroom. Students could observe real-world examples of innovative design solutions, sustainable construction practices, and advanced building systems.

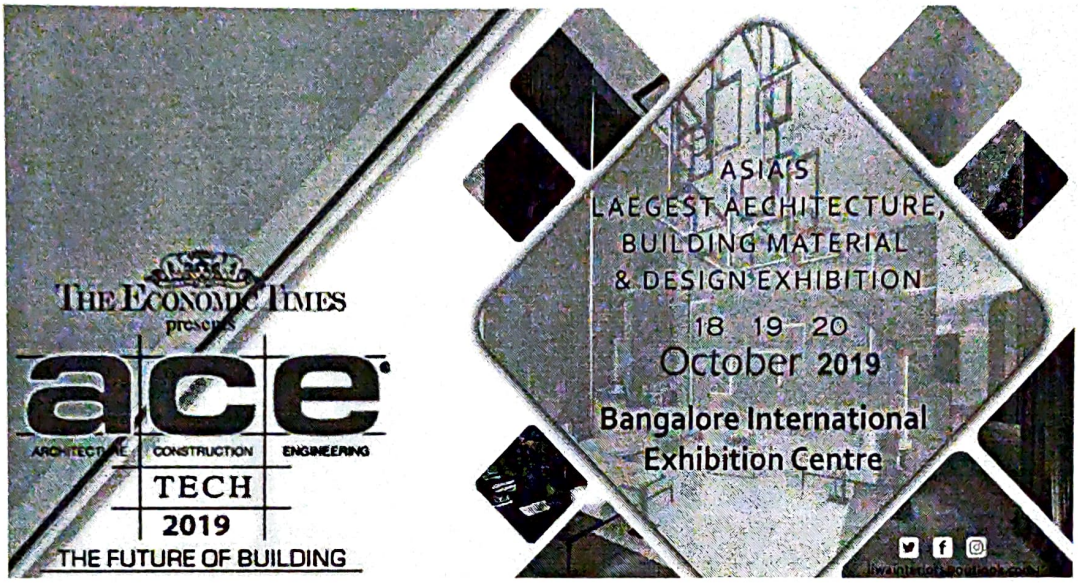
4. Exposure to Emerging Technologies: The exhibition provided exposure to emerging technologies, such as 3D printing and smart buildings, which are shaping the construction industry's future. Students gained an understanding of how these technologies are being implemented and their potential impact on the field.

5. Inspiration and Creativity: By exploring diverse exhibits and designs, students were exposed to creative and inspirational ideas in architecture and design. This exposure could stimulate their creativity and inspire them to explore innovative approaches in future projects.

Summary:

The exhibition visit to ACE Tech 20019 at Bangalore International Exhibition Center (BIEC) was a highly beneficial experience for the 5th and 7th semester Civil Engineering students. It provided them with industry exposure, practical knowledge, and networking opportunities. The students gained insights into the latest trends, technologies, and sustainable practices in the design, architecture, building, and construction sectors. The visit played a vital role in expanding their understanding of the field and encouraging them to think creatively and innovatively. Overall, it was a valuable learning experience that complemented their academic studies and contributed to their professional development.

Photos:





Signature of the Coordinator

Signature of the HOD

Head of the Department
Department of Civil Engineering
Rajeev Institute of Technology
HASSAN

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From,
Mrs. Supriya C.L
Assistant professor
Department of Civil Engineering
R.I.T, Hassan.

Respected Sir,

Subject: Requesting permission to Organize Two Day Workshop on **"CYPE CADD"**

With respect to above subject, we would like to bring to your kind notice that we are planning to organize Two days Workshop on **"CYPE CADD"** for the benefit of the student on 16th November to 17th November 2019. Resource Person for the workshop is Mr. Amaranth. M.D of Cype CADD
In this regard we kindly request you to give the permission to conduct the workshop

Thanking You

Yours Sincerely
Mrs. Supriya C.L
Assistant professor
Department of Civil Engineering
R.I.T, Hassan.

REPORT ON 2 DAYS WORKSHOP

"CYPE CADD"

Date: 16th November 2019 to 17th November 2019

Event Co-ordinator

Mrs. Supriya C.L

Department of Civil Engineering

R.I.T, Hassan

Chief Patron

Dr. A.N. Ramakrishna
PRINCIPAL
R.I.T
Hassan

Convenor

Mr. Sujay.S
H.O.D
Dept of Civil Engineering
Hassan

The Department of Civil Engineering has conducted a 2 days workshop on "Cype CADD" from 16th November 2019 to 17th November 2019 by Mr. Amarnath , M.D, Cype CADD in CADD lab of the Civil and Mechanical Engineering block of Rajeev Institute of Technology, Hassan. The Workshop was targeted to 3rd year Students. A detailed report regarding the events furnished below.

Date: 16th November 2019 to 17th November 2019

Title: Workshop On " CYPE CADD"

Coordinators: Mrs. Supriya C.L

Timings: 10:00 AM to 4:00 PM

Resource Person: Mr. Amarnath
M.D, Cype CADD
Bengaluru

Meeting Platform : Offline, handson

Objective of the Programme

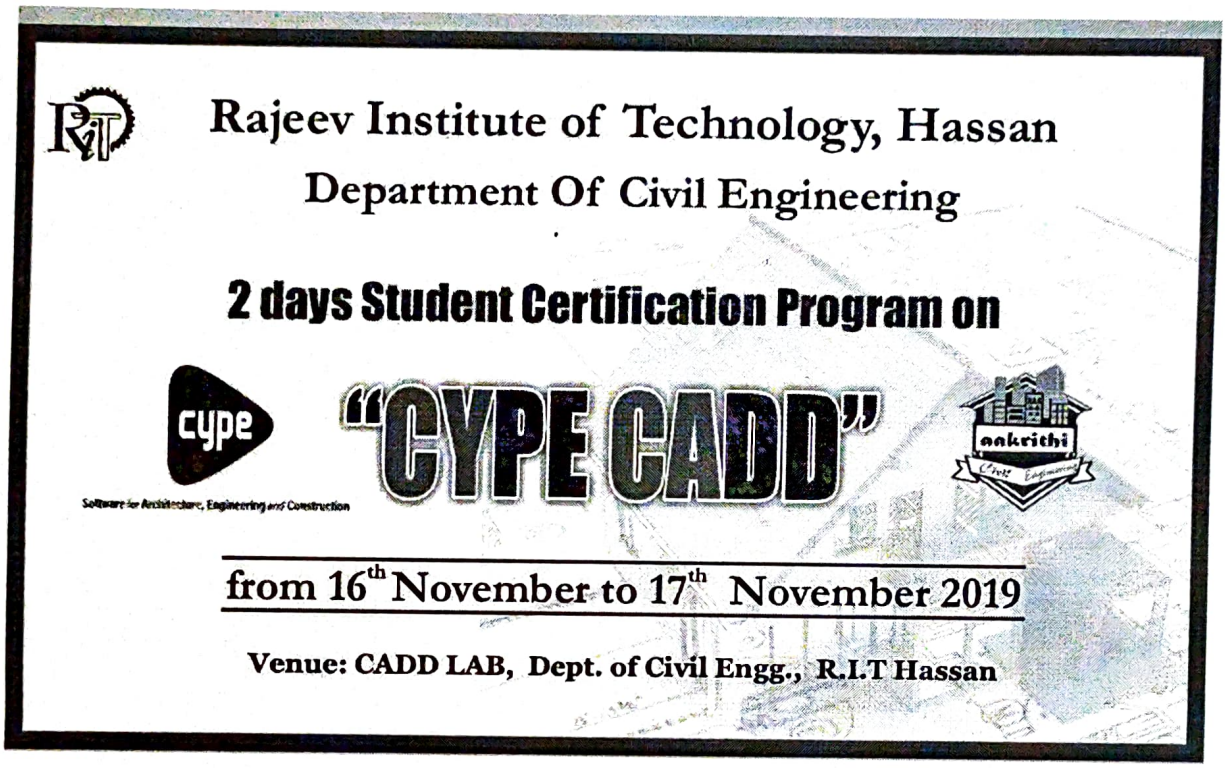
- Analyse & design the structural components using CYPE CADD software

Outcome of the Programme

At the end of the workshop, students understood the basics & structural behavior of structural components like beams, columns, slabs, shear walls, types of supports, Loads combinations ect., and also at the end of the workshop students were able to create structural components and analyse the same with respect to shear force, Bending moment, deformation ect., and also they were able to compare the result with theoretical calculations, also students learnt to analyse the multistoried building with respect to static & Dynamic analysis

How it benefitted the students:

An opportunity for students to understand the concepts in details from the subject expert and application of the knowledge understood when required during a particular case.



Head of the Department
Department of Civil Engineering
Rajeev Institute of Technology
HASSAN

Academic Year: 2019-2020
Department: Electrical and Electronics Engineering

Event Name:

Event Name: **Date:**	Workshop on "Electrical Switch gear and its application" **04/11/2019 to 07/11/2019**
Venue:	Seminar Hall, RIT, Hassan.
Duration of Event:	Three days
No. of Participants:	69

Event Overview:

With an objective to acquaint the students with knowledge of electrical switchgear and it's applications the department of Electrical and Electronics Engineering had organized a three days' workshop on "Electrical Switch gear and its application" on the institute premises for the second year student community of the Rajeev Institute of Technology. The program was inaugurated by Prof. Radhakrishna K R, HOD, and Department of E&EE along with an inaugural speech highlighting the importance of these topics for the students. The resource person Er. Basavesh Shetty S Doddabele, Executive officer, DEBESON Enterprises, Tumkur explained the basics of Electrical, contactors, control gears, relays, breakers followed by hands on of DOL starters. On Day 2 explained VFD, electrical maintenance, APFC panels followed by hands-on. Day 3 hands-on on semi and fully automatic star delta, remote on and off of motor, Forward reverse of motor and control wiring, trouble shooting. The event was a successful one. The workshop was relevant to the title and were well-appreciated by the students. After completion of this workshop students have felt encouraged to explore these areas further.

Event Outcome:

The workshop had ended with knowledge on the electrical switchgear and it's applications which will be helpful for higher semesters and placement activities for the students.

Snapshots from the Event:









Academic Year: 2019-2020
Department: Electrical and Electronics Engineering

Event Name:

Event Name: **Date:**	Workshop on "Fundamentals of C" **17/11/2019-19/11/2019**
Venue:	Seminar Hall, RIT, Hassan.
Duration of Event:	Three days
No. of Participants:	43

Event Overview:

With an objective to acquaint the students with knowledge of programming the department of Electrical and Electronics Engineering had organized a three days' workshop on "Fundamentals of C" on the institute premises for the second year student community of the Rajeev Institute of Technology. The program was inaugurated by Prof. Radhakrishna K R, HOD, EEE along with an inaugural speech highlighting the importance of these topics for the students. The resource person name from ICT academy. Resource person explained the basics of C language. On Day 2 explained the control statements and arrays with hands-on and dynamic memory allocation with few programming examples. Day 3 explained string handling and functions in C, pointers, structures and unions in C with hands-on. The event was a successful one. The workshop was relevant to the title and were well-appreciated by the students. After completion of this workshop students have felt encouraged to explore these areas further.

Event Outcome:

The workshop had ended with knowledge on the fundamentals of C language which will be helpful for higher semesters and placement activities for the students.

Snapshots from the Event:





Report of Invited Talk on

"Importance of English in Personality Development" Organized by the Department of Electronics and Communication Engineering, Rajeev Institute of Technology, Hassan on 11th September 2019

The Department of Electronics and Communication has organized a technical talk on *"Importance of English in Personality Development"* for 3rd and 5th semester students. Around 110 students were present during the talk.

The main objective of this invited talk is to convey the importance of English language, leadership quality and being optimistic in learning good qualities.

The resource person for this was **Dr. Krishne Gowda**, Principal, Govt. Home Science College, Hassan, and the presentation was held for a duration of about 1:15 hours (11:15am – 12:30pm).

Objectives of the Talk

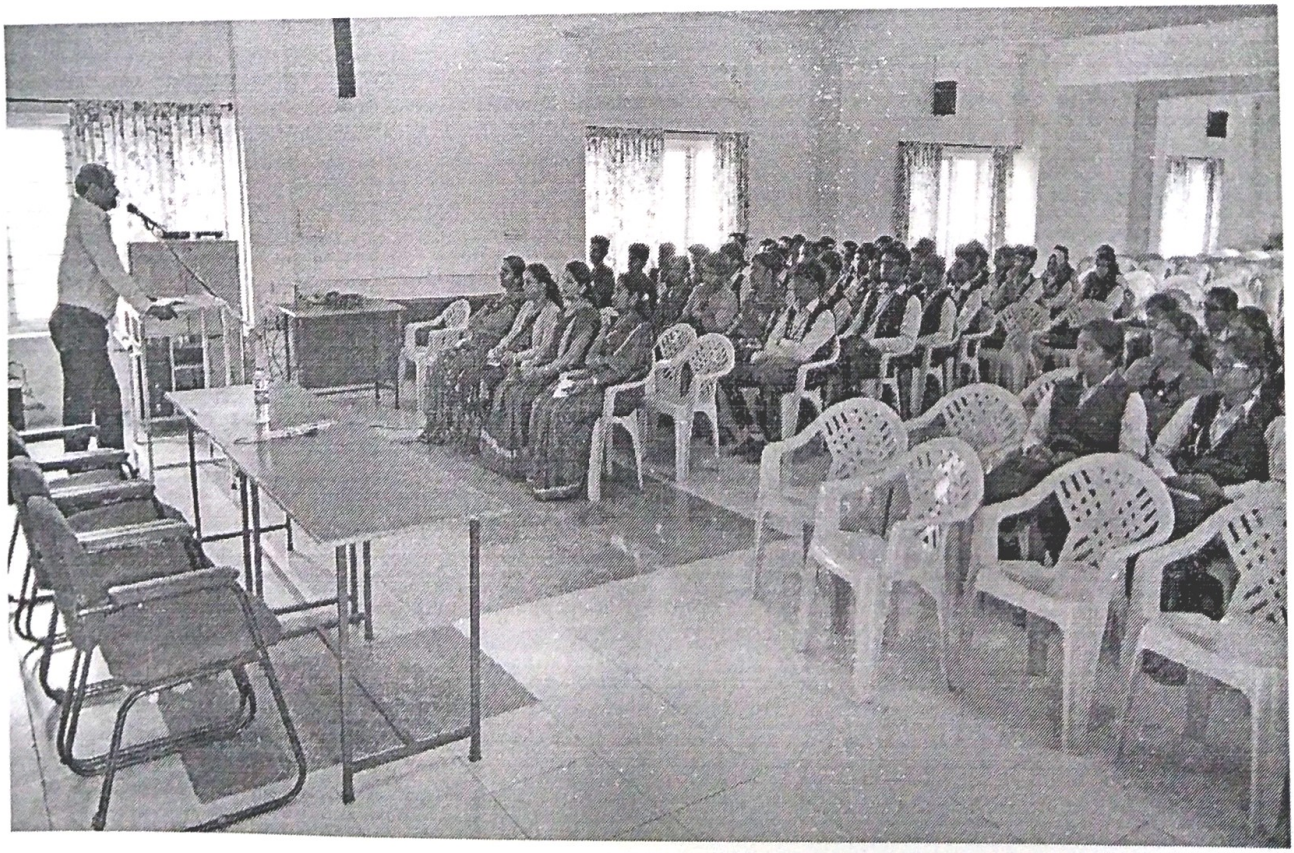
- To convey the importance of English in technical and global level.
- Attaining the ways of personality development.
- Development of leadership qualities.
- Being optimistic in learning and listening.

Outcome of the Talk

- Students are able to identify the usefulness of English at various levels.
- Development in personality increases the confidence.
- Being patience allows to learn, understand and analyze most of the things.

After the completion of the talk, Dr. Krishne Gowda was honored by a memento as a token of gratitude and appreciation by the Principal Dr. A N Ramakrishna.





Report of Invited Talk on

"Application of Image Processing in Medical Field" Organized by the Department of Electronics and Communication Engineering, Rajeev Institute of Technology, Hassan, on 16th September 2019

The Department of Electronics and Communication has organized an invited talk on *"Application of Image processing in Medical Field"* for 7th semester students. Around 67 students were present during the talk.

The main objective of this invited talk is to convey the applications of image processing in various fields and specifically in medical field.

The resource person for this was **Dr. S. Pramod Kumar**, Associate Professor, Dept. of Electronics and Commn. Engg., JNNCE, Shivamogga and the presentation was held for a duration of about 1 hour 45 minutes (11:15am – 1:00pm).

Objectives of the Talk

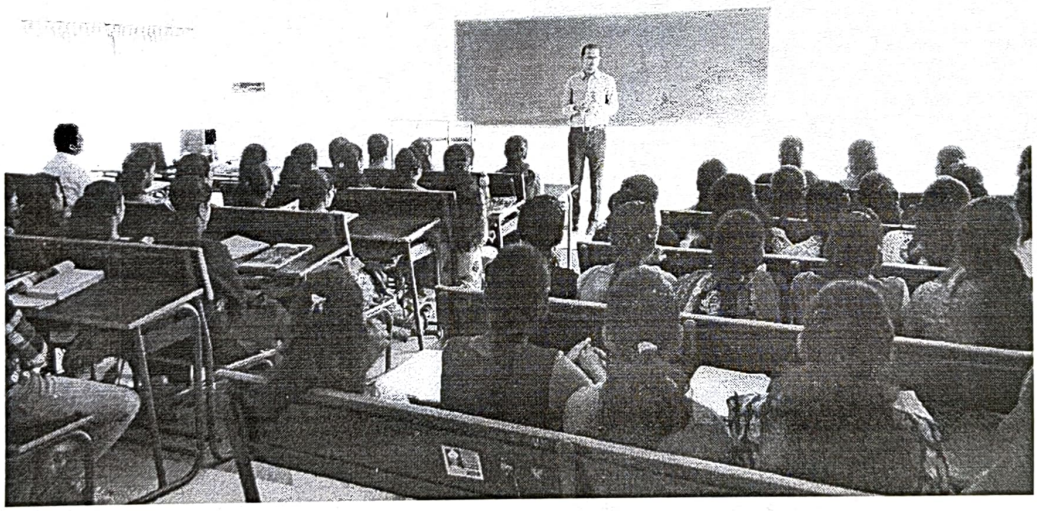
- Definition of the image processing
- Various fields in which it can be used.
- Application of image segmentation in the medical image processing

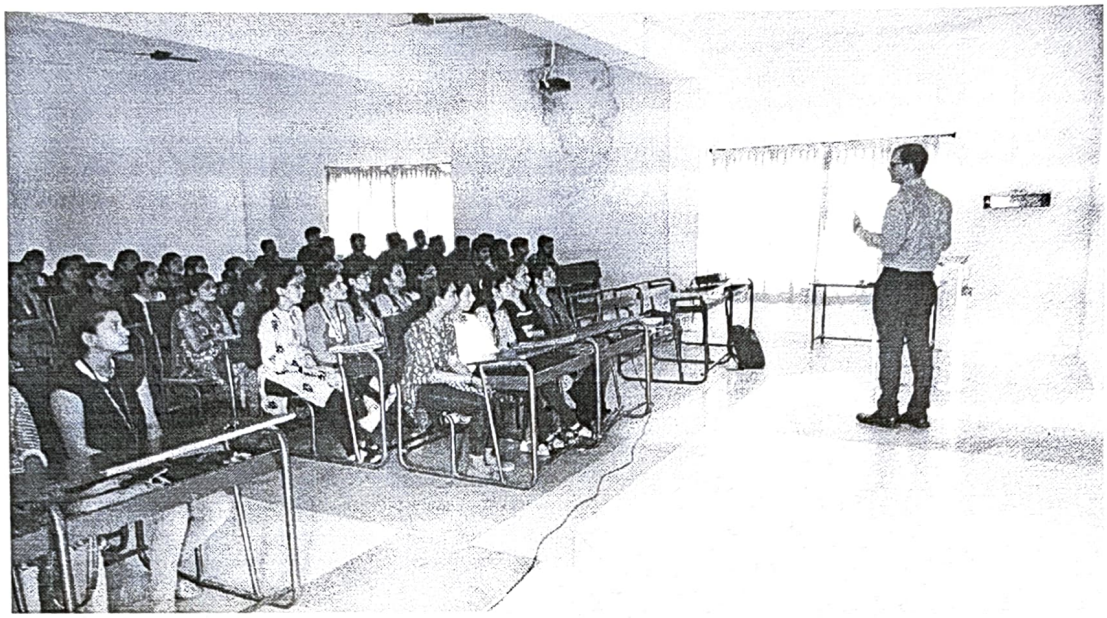
Outcome of the Talk

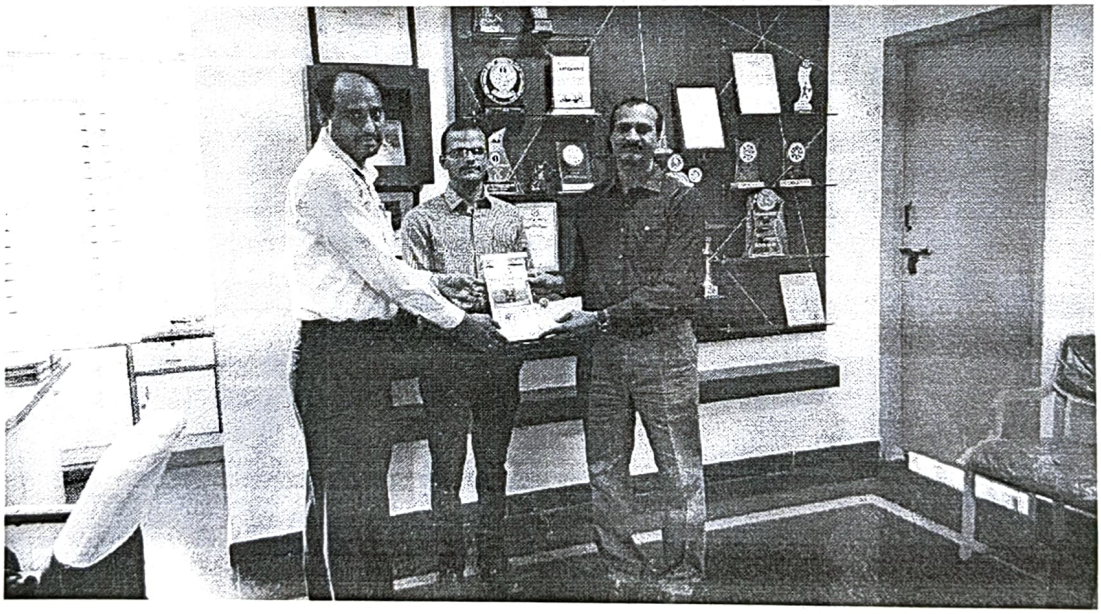
- Students are able to identify the diversity of the image processing.
- Importance of image segmentation in medical field
- Various algorithms involved in medical image segmentation and identification of Cancer like diseases.

After the completion of the talk, Dr. S. Pramod Kumar was honored by a memento as a token of gratitude and appreciation by the Principal Dr. A N Ramakrishna.









ಪ್ರಜಾವಾಣಿ ಶನಿವಾರ • ನವೆಂಬರ್ 21, 2019

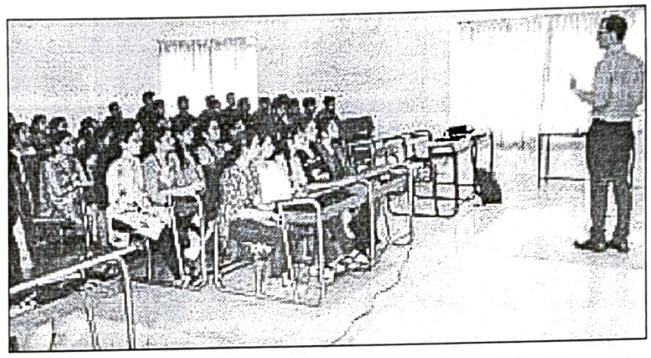
ರೋಗ ಪತ್ತೆಗೆ ನೆರವಾಗಲು ಸಲಹೆ

ಪ್ರಜಾವಾಣಿ ವಾರ್ತೆ

ಹಾಸನ: ವಿಜ್ಞಾನ ವಿದ್ಯಾರ್ಥಿಗಳು ಸಂಶೋಧನೆ ಮೂಲಕ ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರದ ಹಲವು ಸಮಸ್ಯೆಗಳಿಗೆ ಪರಿಹಾರ ಕಂಡು ಹಿಡಿಯುವ ಅವಶ್ಯಕತೆ ಇದೆ ಎಂದು ಶಿವಮೊಗ್ಗದ ಜೆ.ಎನ್.ಎನ್. ಸಿ.ಇ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಸಹ ಪ್ರಾಧ್ಯಾಪಕ ಎಸ್. ಪ್ರಮೋದ್ ಕುಮಾರ್ ತಿಳಿಸಿದ್ದಾರೆ.

ನಗರದ ರಾಜೀವ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಆ್ಯಂಡ್ ಕಮ್ಯೂನಿಕೇಶನ್ ವಿಭಾಗದ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ಉಪನ್ಯಾಸ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಮಾತನಾಡಿದರು.

ವೈದ್ಯಕೀಯ ವಿಭಾಗದಲ್ಲಿ ವಿವಿಧ ರೀತಿಯ ಎಕ್ಸ್‌ರೇ, ಅಲ್ಟ್ರಾಸೌಂಡ್, ಎಂಆರ್‌ಐಗಳನ್ನು ಬಳಕೆ ಮಾಡಿಕೊಳ್ಳಲಾಗುತ್ತಿದೆ. ಈ ತಂತ್ರಜ್ಞಾನ ಹಲವು ರೋಗಗಳ ಪತ್ತೆಗೆ ನೆರವಾಗಿದೆ. ಜತೆಗೆ ಹೊಸ ತಂತ್ರಜ್ಞಾನ ಕಂಡು ಹಿಡಿಯುವ ಮೂಲಕ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ವಿದ್ಯಾರ್ಥಿಗಳು ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರಕ್ಕೆ ನೆರವಾಗಬೇಕು ಎಂದು ಸಲಹೆ ನೀಡಿದರು.



ಹಾಸನದ ರಾಜೀವ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಆ್ಯಂಡ್ ಕಮ್ಯೂನಿಕೇಶನ್ ವಿಭಾಗದ ಏರ್ಪಡಿಸಿದ್ದ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಸಹ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ.ಎಸ್:ಪ್ರಮೋದ್ ಕುಮಾರ್ ಉಪನ್ಯಾಸ ನೀಡಿದರು

ಪ್ರಾಂಶುಪಾಲ ಎ.ಎನ್. ರಾಮಕೃಷ್ಣ ಮಾತನಾಡಿ, ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರದಲ್ಲಿ ತಂತ್ರಜ್ಞಾನ ಅವಶ್ಯಕತೆ ಹೆಚ್ಚಿದೆ. ತಾಂತ್ರಿಕ ವಿದ್ಯಾರ್ಥಿಗಳು ದೇಶದ ಸಮಸ್ಯೆಗಳನ್ನು ನಿವಾರಿಸುವಂತಹ ತಂತ್ರಜ್ಞಾನವನ್ನು ಸಂಶೋಧಿಸಿ ಬಳಕೆ ತರುವತ್ತ ಕಾರ್ಯ ನಿರ್ವಹಣೆ ಮಾಡಬೇಕಿದೆ ಎಂದರು.

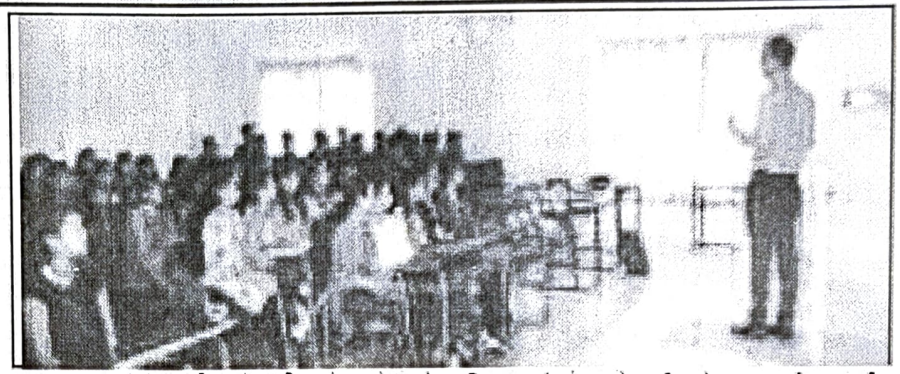
ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಆ್ಯಂಡ್ ಕಮ್ಯೂನಿಕೇಶನ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಬಿ.ಎನ್. ಅರವಿಂದ್ ಮಾತನಾಡಿ, ಕಂಪ್ಯೂಟರ್‌ನಲ್ಲಿ ಬರುವ ದತ್ತಾಂಶ ಹಾಗೂ ಫಲಿತಾಂಶದ ಆಧಾರದ ಮೇಲೆ ವೈದ್ಯರು ರೋಗ ಪತ್ತೆ ಮಾಡುವಲ್ಲಿ ಬಹುಮಟ್ಟಿಗೆ ಅವಲಂಬಿತರಾಗಿದ್ದಾರೆ. ಈ ಕ್ಷೇತ್ರದಲ್ಲಿ ಸಂಶೋಧನೆಗೆ ವಿಪುಲ ಅವಕಾಶಗಳು ಇದ್ದು, ಇದನ್ನು ಇಂದಿನ ಯುವಕರು ಬಳಕೆ ಮಾಡಿಕೊಂಡು ಹೊಸ ಹೊಸ ಸಂಶೋಧನೆಯಲ್ಲಿ ತೊಡಗಬೇಕು ಎಂದು ತಿಳಿಸಿದರು.

ಪ್ರಗತಿವಾಹಿನಿ
19-09-2019 ಗುರುವಾರ ಪುಟ-2

ರೋಗ ನಿವಾರಣೆಗೆ ಸಂಶೋಧನೆ ಅಗತ್ಯ

ಹಾಸನ: ವಿಜ್ಞಾನ ಕ್ಷೇತ್ರದ ವಿದ್ಯಾರ್ಥಿಗಳು ಹೊಸ ಹೊಸ ಸಂಶೋಧನೆ ಮಾಡುವ ಮೂಲಕ ಹಲವು ರೋಗದ ಸಮಸ್ಯೆಗಳಿಗೆ ಪರಿಹಾರ ಕಂಡುಕೊಳ್ಳಬೇಕಾದ ಅವಶ್ಯಕತೆ ಇದೆ ಎಂದು ಶಿವಮೊಗ್ಗದ ಜೆ.ಎನ್.ಎನ್.ಸಿ.ಇ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಸಹ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ.ಎಸ್. ಪ್ರಮೋದ್ ಕುಮಾರ್ ತಿಳಿಸಿದ್ದಾರೆ.

ನಗರದ ರಾಜೀವ್ ತಾಂತ್ರಿಕ ಮಹಾ ವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಂಡ್ ಕಮ್ಯೂನಿಕೇಶನ್ ವಿಭಾಗದ ವತಿಯಿಂದ ಈಚೆಗೆ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ವಿಶೇಷ ಉಪನ್ಯಾಸ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಭಾಗವಹಿಸಿ ಮಾತನಾಡಿದ ಅವರು, ವೈದ್ಯಕೀಯ ವಿಭಾಗದಲ್ಲಿ ಬರುವ ವಿವಿಧ ರೀತಿಯ ಚಿತ್ರಗಳಾದ X-Ray, Ultra Sound, MRI ಗಳನ್ನು ಈಗಾಗಲೆ ದೇಶದಲ್ಲಿ ಬಳಕೆ ಮಾಡಿಕೊಳ್ಳಲಾಗುತ್ತಿದೆ. ಈಗಾಗಲೇ ಈ ತಂತ್ರಜ್ಞಾನದಿಂದ ಹಲವು ರೋಗಗಳ ಪತ್ತೆಗೆ ಬಳಸಿಕೊಳ್ಳಲಾಗುತ್ತಿದ್ದು, ಇದರೊಟ್ಟಿಗೆ ಹೊಸ ಹೊಸ ತಂತ್ರಜ್ಞಾನವನ್ನು ಬಳಕೆ ಮಾಡಿಕೊಂಡು ಮುಂದಿನ ದಿನಗಳಲ್ಲಿ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್



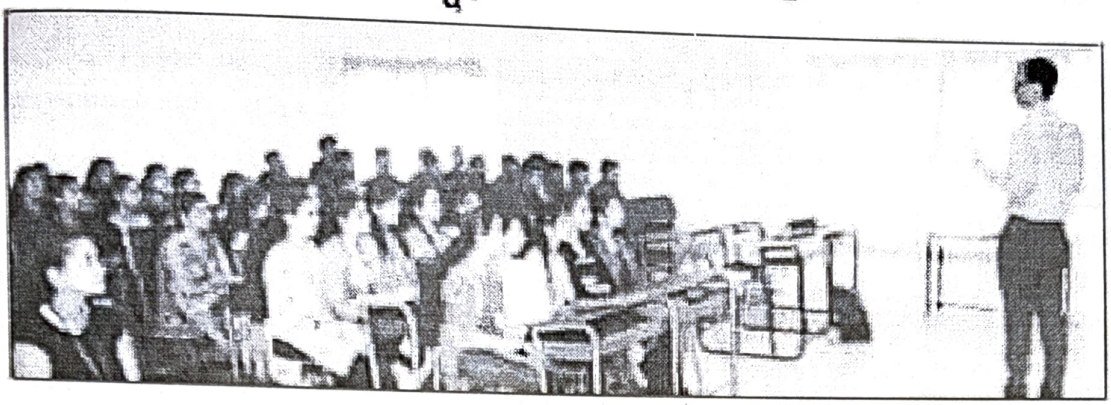
ವಿದ್ಯಾರ್ಥಿಗಳು ಹೊಸ ಹೊಸ ಯಂತ್ರಗಳನ್ನು ಕಂಡುಹಿಡಿಯುವ ಮೂಲಕ ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರಕ್ಕೆ ನೆರವಾಗಬೇಕು ಎಂದು ಹೇಳಿದರು.

ರಾಜೀವ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಎ.ಎನ್. ರಾಮಕೃಷ್ಣ ಮಾತನಾಡಿ, ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರದಲ್ಲಿ ತಂತ್ರಜ್ಞಾನ ಅತ್ಯಗತ್ಯವಾಗಿದ್ದು, ಈಗಾಗಲೇ ತಂತ್ರಜ್ಞಾನ ಬಳಕೆ ಇಲ್ಲದೆ ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರವಿಲ್ಲ ಎಂಬ ಮಟ್ಟಿಗೆ ಬೆಳೆದಿದೆ. ತಾಂತ್ರಿಕ ವಿದ್ಯಾರ್ಥಿಗಳು ದೇಶದ ಸಮಸ್ಯೆಗಳನ್ನು ನಿವಾರಿಸುವಂತಹ ತಂತ್ರಜ್ಞಾನವನ್ನು ಸಂಶೋಧಿಸಿ ಬಳಕೆ ತರುವತ್ತ ಕಾರ್ಯನಿರ್ವಹಣೆ ಮಾಡಬೇಕಿದೆ ಎಂದರು.

ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಂಡ್ ಕಮ್ಯೂನಿಕೇಶನ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಬಿ.ಎನ್. ಅರವಿಂದ್ ಮಾತನಾಡಿ, ಕಂಪ್ಯೂಟರ್‌ನಲ್ಲಿ ಬರುವ ದತ್ತಾಂಶ ಹಾಗೂ ಫಲಿತಾಂಶದ ಆಧಾರದ ಮೇಲೆ ವೈದ್ಯರು ರೋಗ ಪತ್ತೆ ಮಾಡುವಲ್ಲಿ ಬಹುಮಟ್ಟಿಗೆ ಅವಲಂಬಿತರಾಗಿದ್ದು, ಇದರಿಂದ ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರದಲ್ಲಿ ತಾಂತ್ರಿಕತೆಯ ಮೇಲೆ ಎಷ್ಟರ ಮಟ್ಟಿಗೆ ಅವಲಂಬಿತರಾಗಿದ್ದಾರೆ ಎಂಬುದು ತಾಂತ್ರಿಕ ಕ್ಷೇತ್ರದ ಮಹತ್ವ ಹಾಗೂ ನಿಖರತೆಯನ್ನು ಎತ್ತಿ ಹಿಡಿಯುತ್ತದೆ. ಈ ಕ್ಷೇತ್ರದಲ್ಲಿ ಸಂಶೋಧನೆಗೆ ವಿಫುಲ ಅವಕಾಶಗಳು ಇದ್ದು, ಇದನ್ನು ಇಂದಿನ ಯುವಕರು ಬಳಕೆ ಮಾಡಿಕೊಂಡು ಹೊಸ ಹೊಸ ಸಂಶೋಧನೆಯಲ್ಲಿ ತೊಡಗಬೇಕು ಎಂದು ತಿಳಿಸಿದರು.

ಜನಮಿತ್ರ

ಹೊಸ ತಂತ್ರಜ್ಞಾನ ಸಂಶೋಧನೆಗೆ ಸಲಹೆ



ಹಾಸನ: ವಿಜ್ಞಾನ ಕ್ಷೇತ್ರದ ವಿದ್ಯಾರ್ಥಿಗಳು ಹೊಸ ಹೊಸ ಸಂಶೋಧನೆ ಮಾಡುವ ಮೂಲಕ ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರದಲ್ಲಾಗುತ್ತಿರುವ ಪಲವು ರೋಗದ ಸಮಸ್ಯೆಗಳಿಗೆ ಪರಿಹಾರ ಕಂಡುಕೊಳ್ಳಬೇಕಾದ ಅವಶ್ಯಕತೆ ಇದೆ ಎಂದು ಶಿವಮೊಗ್ಗದ ಜೆ.ಎನ್. ಎನ್.ಸಿ.ಇ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಸಹ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ.ಎಸ್. ಪ್ರಮೋದ್ ಕುಮಾರ್ ಹೇಳಿದರು.

ನಗರದ ರಾಜೀವ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಂಡ್ ಕಮ್ಯೂನಿಕೇಶನ್ ವಿಭಾಗದ ವತಿಯಿಂದ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ವಿಶೇಷ ಉಪನ್ಯಾಸ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಭಾಗವಹಿಸಿ ಮಾತನಾಡಿದ ಅವರು, ಹೊಸ ಹೊಸ ತಂತ್ರಜ್ಞಾನವನ್ನು ಬಳಕೆ ಮಾಡಿಕೊಂಡು ಮುಂದಿನ ದಿನಗಳಲ್ಲಿ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ವಿದ್ಯಾರ್ಥಿಗಳು ಹೊಸ ಹೊಸ ಯಂತ್ರಗಳನ್ನು ಕಂಡುಹಿಡಿಯುವ ಮೂಲಕ ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರಕ್ಕೆ ನೆರವಾಗಬೇಕು ಎಂದು ಹೇಳಿದರು.

ರಾಜೀವ್ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಎ.ಎನ್. ರಾಮಕೃಷ್ಣ ಮಾತನಾಡಿ, ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರದಲ್ಲಿ ತಂತ್ರಜ್ಞಾನ ಅತ್ಯಗತ್ಯವಾಗಿದ್ದು, ಈಗಾಗಲೇ ತಂತ್ರಜ್ಞಾನ ಬಳಕೆ ಇಲ್ಲದೆ ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರವಿಲ್ಲ ಎಂಬ ಮಟ್ಟಿಗೆ ಬೆಳೆದಿದೆ. ತಾಂತ್ರಿಕ ವಿದ್ಯಾರ್ಥಿಗಳು ದೇಶದ ಸಮಸ್ಯೆಗಳನ್ನು ನಿವಾರಿಸುವಂತಹ ತಂತ್ರಜ್ಞಾನವನ್ನು ಸಂಶೋಧಿಸಿ ಬಳಕೆ ತರುವತ್ತ ಕಾರ್ಯ ನಿರ್ವಹಣೆ ಮಾಡಬೇಕಿದೆ ಎಂದರು.

ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಂಡ್ ಕಮ್ಯೂನಿಕೇಶನ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಬಿ.ಎನ್. ಅರವಿಂದ್ ಮಾತನಾಡಿ, ಕಂಪ್ಯೂಟರ್‌ನಲ್ಲಿ ಬರುವ ದತ್ತಾಂಶ ಹಾಗೂ ಫಲಿತಾಂಶದ ಆಧಾರದ ಮೇಲೆ ವೈದ್ಯರು ರೋಗ ಪತ್ತೆ ಮಾಡುವಲ್ಲಿ ಬಹುಮಟ್ಟಿಗೆ ಅವಲಂಬಿತರಾಗಿದ್ದಾರೆ. ಈ ಕ್ಷೇತ್ರದಲ್ಲಿ ಸಂಶೋಧನೆಗೆ ವಿಫುಲ ಅವಕಾಶಗಳು ಇದ್ದು, ಇವನ್ನು ಇಂದಿನ ಯುವಕರು ಬಳಕೆ ಮಾಡಿಕೊಳ್ಳಬೇಕು ಎಂದರು.

REPORT

Activity Name	48 Hours Hands on Workshop Excel, SPSS and mendeley software for data analysis For Managers
Title	Workshop on Business Data Analysis
Objective	This course is mandatory for people who deal with Data in a big or small way irrespective of the profession/business they take up. Especially, people who heavily chum out data for insights can achieve greater productivity levels using Microsoft Excel, SPSS for research data analysis and mendeley for business data analysis
Date of Activity	During Oct to Nov 2019
Mode of Conduct	Offline
Duration	8 Days
Trainers	Uttam Tiwari and Manikantha of Business Toys Training and Consultancy
Mandatory/Elective	Mandatory
Participants	Students of 2018 – 2020 batch

Description	Organized 48 hours of Workshop on Microsoft Excel, SPSS for research data analysis and mendeley for business data analysis This course is mandatory for people who deal with Data in a big or small way irrespective of the profession/business they take up. Especially, people who heavily chum out data for insights can achieve greater productivity levels using Microsoft Excel. Duration: The workshop was conducted on 8 Fridays (6 hours per day) in the month of October to November month of 2019. <u>Key Take-aways:</u> This training will enable you to familiarize and expose yourself with the Excel's most powerful functions, features and formulas. "At the end of the session the participants were able to learn : 1. Know How to use Excel's SPSS and mendeley features in a productive way, 2. Know How to build powerful formulas, 3. Make Dynamic charts, Interactive Dashboards and use other visualization features, 4. Learn various intricacies of Microsoft Excel environment. assuming they follow my course and practice. Following facilities were provided to conduct the workshop. 1. Lab/Seminar Hall for 3 days occupancy, 2. LCD projector with screen, 3. Desktops/Laptops for practice sessions, 4. MS Excel 2010, SPSS latest version and Mendeley latest version installed in the computer systems, 5. A Black/White board. 6. Share Drives/Google Group to share the practice files.

Training Schedule

Day 1	Inauguration/ Pre-Assessment	Xiomi Case Study	Xiomi Case Study		Xiomi Case Study
Day 2	Data Cleaning	Filters	Conditional Formatting		Whatif / Goal Seek / Trend / Forecast
Day 3	Performance Appraisal case Study	Performance Appraisal case Study	Index Match		Meeting Tracker Model
Day 4	ICICI Credit card Case	Online Surveying techniques	Hackathon	**Lunch Break**	Statistical tests(SPSS)
Day 5	Statistical tests(SPSS)	Predictive Model -1	Predictive Model -2		Predictive Model -2
Day 6	Tableau	Tableau	Tableau		Tableau
Day 7	Predictive Model -3	Hackathon	Hackathon		Summary/ Resume / Revision/ Post-Assessment

*** Each day is planned for 5 hours**
**** In next sem we will come for one more full day for complete revision & resume rating and placement related activities.**



Business Analyst workshop OCT-NOV 2018

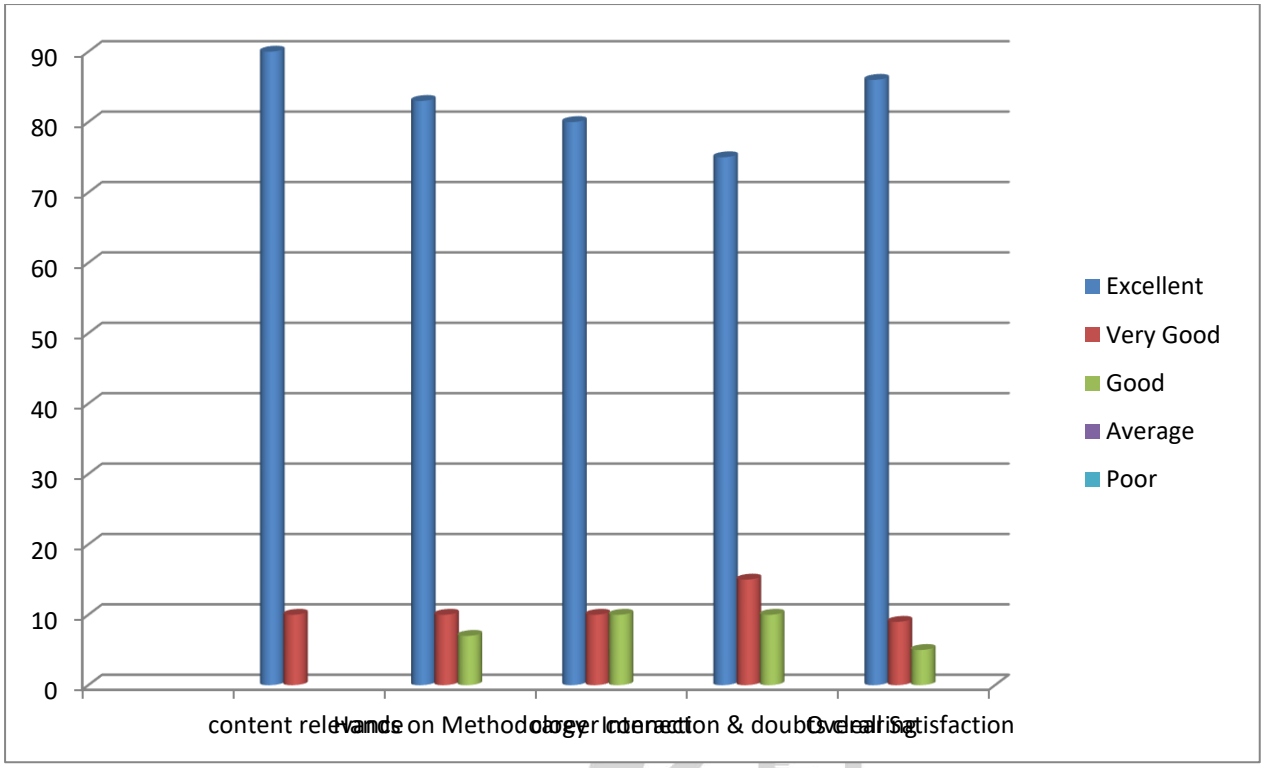
Contents Delivered

Day 1	Inauguration/ Pre-Assessment	**Xiomi Case Study**(Working around excel, Introduction to Data and Types of Data)	**Lunch Break**	**Xiomi Case Study**(Exploratory Data analysis ,Treatment of Categorical and Continues Data, Building Pivot tables and Cross Contingency Tables, Using Descriptive Stats and working with excel formulas)	**Xiomi Case Study**(Building Data Driven Strategy using the Exploratory analysis, Correlation test and Interpretation of Correction Number)
Day 2	**Data Cleaning**(Dealing with Structured Data, Organizing and Splitting Data using Text-to-Columns, Excel Functions - Upper, Lower, Trim, Concatenate and Proper)	**Filters** (Critical Filtering with Types of Filtering - Number filter, Text Filter and Filter with Color with Sub Types and applications)		**Conditional Formatting**(Introduction to cell formatting. Highlighting cell, Top/Bottom highlights, Data Bars for showing progress and Icon sets for ratings. Setting and Managing rules in Conditional formatting)	**Whatif / Goal Seek / Trend / Forecast(Using Excel Sensitivity Analysis tools to manipulate the outcome based on changing the various input factors. Methods covered - Goal Seek, Data Table and Using univariate analysis for trend and Forecast)**
Day 3	**Performance Appraisal case Study (Data Retrieval using excel v-lookup function)**	**Performance Appraisal case Study (Working with V-lookup, Understanding Parameters, Types of Range lookup and implications of it, Locking Cells and application of cell Locking in Excel Formula)**		**Meeting Tracker Model(Introduction to H-lookup, Difference between Hlookup and Vlook-up, Applying proper lookup function, Data Validation and creating a mini dashboard for Meeting Tracker)**	**Index Match(Disadvantages of excel lookups, Using Index and match standalone, Using Index and Match cascaded and working, Advantages of Index Match)**
Day 4	**ICICI Credit card Case**(Performing basic interpretational analysis and usage of excel operational function : Count, Sum and Average	**Online Surveying techniques**(Type-Form/ Google Form - Method of developing questionnaires, Asking the right type of		Hackathon	**Statistical tests(SPSS)** (Nuts and Bolts of SPSS.Performing and interpreting inferential tests : t-test -one sample, two sample and

	along with conditional selections, Using Pivot table for Data driven decision making)	question (MCQ, Description etc), Using type-form/google form for collecting Data. Structuring Questions and the form, sharing the form and collecting responses using the tools)			independent sample)
Day 5	**Statistical tests(SPSS)(Annova and Chi-Sqr test using SPSS)**	**Predictive Model -1 (Identifying Business Models and Business Problems. Building and Predicting using Simple Regression Technique)**		**Predictive Model -2 (Boiling a Multiple Linear Regression model to understand and predict Pricing of a product, Creating a user interaction dashboard)**	Predictive Model -2
Day 6	**Tableau(**Introduction to Data Visualization and Visulaization Techniques)	**Tableau**(Principles of Data Visulaization and Charting Techniques)		**Tableau(Nuts and Bolts of Tableau, Principle working of Tableau, Connecting to Data, Building and interpreting charts and graphs using Tableau)**	**Tableau(Using Sets, Filters and creating animated charts using Tableau, Data Dashboarding using interlinking charts and tooltips)**
Day 7	**Predictive Model - 3**(Understanding Consumer Behavior using analytics, Building a classification type predictive modeling using logistic Regression, Dashboarding and providing user inertactivity with Data Validation and v-lookup	Hackathon		Hackathon	Summary/ Resume / Revision/ Post-Assessment
*** Each day is planned for 5 hours**					

Student Feedback

Program: Student Development Workshop
Title: Business Analyst
Batch 2018-2020, 3rd semester October - November 2019
Nbr of Students: 47



Faculty Co-ordinator **Signature of HOD**

Trainers Details

Uttam Tiwari

Uttam is the Co-founder & CEO of Moat School & Business Toys. Moat School is a marketplace tech platform where the world's top professionals come and teach live projects to students and working professionals. Moat School has launched various long term executive programmes with India's top IITs and IIMs Very recently Moat school has raised Pre Series A funding from mid-size VC and angel investors.

He is also Co-Founder & Director at Basal Analytics which is into Data Science, Artificial Intelligence, and Business Analytics consulting. He handles collaborations, strategic decisions & product growth verticals.

Prior to the entrepreneur journey, he worked as an associate fund manager and has experience in investment banking, equities, and Fintech.

He is on the board of studies of various management institutes and plays a key role in designing skill-driven innovative industry-driven curricula.

13 years of experience

Omkar Raikar

Omkar Raikar is an accomplished professional with over a decade of experience in the fields of Data Science and Artificial Intelligence (AI).
Throughout his career, Omkar has been associated with prestigious organizations such as Crisil, Edelweiss, Newsweek, and the European Bank of Reconstruction and Development. These experiences have provided him with a comprehensive understanding of diverse industries and a global perspective on leveraging data for optimal business outcomes.

As CEO of Basal Analytics, Omkar has been instrumental in establishing the company as a leader in the analytics domain. Under his guidance, Basal Analytics has experienced remarkable growth and has delivered cutting-edge analytics solutions to a wide range of clients. Omkar's strategic vision and industry alignment have played a crucial role in the success of the company.

Additionally, as the co-founder of Business Toys, Omkar has demonstrated his entrepreneurial spirit and passion for innovation.

With a proven track record of success, Omkar Raikar is a highly sought-after professional in the field of Data Science and AI. His passion for harnessing the power of data, combined with his strong leadership skills, makes him an invaluable asset in driving innovation and delivering tangible business results.

12 years of experience

Manikanta Prasad GVN

Manikanta is having 6+ years of experience in the field of data science, business analytics & advance visualizations. He has worked on various tools like Tableau, Power BI, SQL, Python, SPSS & many more. Manikata is responsible for Pan India Business for Business Toys Products and Services, Working on Innovations and designing strategies to increase the online presence. He is also involved in executing various Data Science Consulting Projects and solving real-time problems.

8 years of experience


BUSINESS TOYS

CERTIFICATE

This is to certify that Mr./Ms._____

USN:4RA18MBA____ has attended **Business Analyst Certification Program** for 40 Hours Conducted by **Business Toys Private Limited** held at **Rajeev Institute of Technology, Hassan** (During Oct – Nov 2019)

Industry Partners

NASSCOM MEMBER SMART FIFTY

Uttam Tiwari
Co-Founder & Director
Business Toys Private Limited

Dr. A N Ramakrishna
Principal
Rajeev Institute of Technology

Mrs. Bhavani B S
Head of the Dept
Rajeev Institute of Technology

RAJEEV INSTITUTE OF TECHNOLOGY
Plot # 1 (D), Growth Centre, Bangalore-Mangalore Bypass Road, HASSAN- 573 201, KARNATAKA
(Affiliated to VTU, Belagavi., Approved by AICTE, New Delhi., Recognized by Govt. of Karnataka)

Date: 16.10.2019

Hands on Workshop:Business Analyst
Workshop Attendance

Sl. No	Student Name	USN	Student Signature	
			Morning	Afternoon
1	4RA18MBA01	Abhijith K M	Abhijith KM	Abhijith KM
2	4RA18MBA02	Abhilasha D	Abhilasha D	Abhilasha D
3	4RA18MBA03	Akshatha C H	Akshatha C.H	Akshatha C.H
4	4RA18MBA04	Akshay S G	Akshay.S.G	Akshay.S.G
5	4RA18MBA05	Ashika J	Ashika J	Ashika J
6	4RA18MBA06	Ashiwini H S	Ashwini	Ashwini
7	4RA18MBA07	Bandhavya B Y	Bandhavya	Bandhavya
8	4RA18MBA08	Bhavana N	Bhavana N	Bhavana N.
9	4RA18MBA09	Bhavani B V	Bhavani. B.V	Bhavani. B.V
10	4RA18MBA10	Bhumika Y L	Bhumika Y.L	Bhumika Y.L
11	4RA18MBA11	Darshini K A		
12	4RA18MBA12	Deepti D	Deepthi	Deepthi
13	4RA18MBA13	Divya D R	Divya D R	Divya D.R
14	4RA18MBA14	Gulabsha P	Gulabsha P	Gulabsha P
15	4RA18MBA15	Hafsa Fathima	Hafsa	Hafsa
16	4RA18MBA16	Harshitha	Harshitha	Harshitha.
17	4RA18MBA17	Harshitha D N	Harshitha DN	
18	4RA18MBA18	Jayashree K A	Jayashree	Jayashree
19	4RA18MBA19	Kavana C S	Kavana	Kavana.
20	4RA18MBA20	Kavya Javalimath	Kavya Javalimath	Kavya Javalimath
21	4RA18MBA21	Kiran A M	Kiran A M	Kiran A M
22	4RA18MBA22	Krushika H K	Krushika.H.K	Krushika.H.K
23	4RA18MBA23	Likith S	Likith S	Likith S
24	4RA18MBA24	Megashree P	megashree P	megashree P
25	4RA18MBA25	Mehanaz	Mehanaz	Mehanaz
26	4RA18MBA26	Nandini H K	Nandini H K	Nandini H K
27	4RA18MBA28	Nayana	Nayana	Nayana
28	4RA18MBA29	Nikitha Lakshmi S	Nikitha Lakshmi S	Nikitha Lakshmi S
29	4RA18MBA30	NoorFathima	NoorFathima	NoorFathima
30	4RA18MBA31	Pooja C S	Pooja C.S	Pooja C.S
31	4RA18MBA32	Poornima M A	Poornima.M.A	Poornima.M.A
32	4RA18MBA33	Praisleen V	Praisleen V	Praisleen V
33	4RA18MBA34	Rathan H R	Rathan H R	Rathan H R
34	4RA18MBA35	Sachin K G	Sachin K G	Sachin K G

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35	4RA18MBA36	Sachin K P	Sachin	Sachin
36	4RA18MBA37	Sahana J	Sahana	Sahana
37	4RA18MBA38	Sanjay H M	Sanjay	Sanjay
38	4RA18MBA39	Saraswathi A S	Saraswathi	Saraswathi
39	4RA18MBA40	Sharath H J	Sharath HJ	Sharath HJ
40	4RA18MBA41	Shashanka H K	Shashanka HK	Shashanka HK
41	4RA18MBA42	Shrunga H V	Shrunga HV	Shrunga HV
42	4RA18MBA43	Sinchana A R	Sinchana	Sinchana
43	4RA18MBA44	Sudharani B M	Sudharani	Sudharani
44	4RA18MBA45	Surabhi B S	Surabhi	Surabhi
45	4RA18MBA46	Sushma K S	Sushma KS	Sushma KS
46	4RA18MBA47	Thejaswini K S	Thejaswini	Thejaswini
47	4RA18MBA48	Thunga B R	Thunga BR	Thunga B.R

HV.

Faculty Co-ordinator

HOD

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Date: 23.10.2019

Hands on Workshop:Business Analyst
Workshop Attendance

Sl. No	Student Name	USN	Student Signature	
			Morning	Afternoon
1	4RA18MBA01	Abhijith K M	Abhijith K.M	Abhijith K.M
2	4RA18MBA02	Abhilasha D	Abhilasha. D	Abhilasha.D
3	4RA18MBA03	Akshatha C H	Akshatha CH	Akshatha C.H
4	4RA18MBA04	Akshay S G	Akshay.SG	Akshay.SG
5	4RA18MBA05	Ashika J	Ashika J	Ashika J
6	4RA18MBA06	Ashiwini H S	Ashwini	Ashwini
7	4RA18MBA07	Bandhavya B Y	Bandhavya	Bandhavya
8	4RA18MBA08	Bhavana N	Bhavana N	Bhavana N
9	4RA18MBA09	Bhavani B V	Bhavani B.V	Bhavani B.V
10	4RA18MBA10	Bhumika Y L	Bhumika Y.L	Bhumika Y.L
11	4RA18MBA11	Darshini K A		
12	4RA18MBA12	Deepti D	Deepti D	Deepti D
13	4RA18MBA13	Divya D R	Divya DR	Divya DR
14	4RA18MBA14	Gulabsha P	Gulabsha P	Gulabsha P
15	4RA18MBA15	Hafsa Fathima	Hafsa Fathima	Hafsa Fathima
16	4RA18MBA16	Harshitha	Harshitha	Harshitha
17	4RA18MBA17	Harshitha D N	Harshitha DN	Harshitha.
18	4RA18MBA18	Jayashree K A	Jayshree	Jayshree
19	4RA18MBA19	Kavana C S	Kavana	Kavana
20	4RA18MBA20	Kavya Javalimath	Kavya Javalimath	Kavya Javalimath
21	4RA18MBA21	Kiran A M	Kiran AM	Kiran AM
22	4RA18MBA22	Krushika H K	Krushika H.K	Krushika.H.K
23	4RA18MBA23	Likith S	Likith S	Likith S
24	4RA18MBA24	Megashree P	Megashree P	Megashree P.
25	4RA18MBA25	Mehanaz	Mehanaz	Mehanaz
26	4RA18MBA26	Nandini H K	Nandini H K	Nandini H K
27	4RA18MBA28	Nayana	Nayana	Nayana
28	4RA18MBA29	Nikitha Lakshmi S	Nikitha S	Nikitha S
29	4RA18MBA30	NoorFathima	NoorFathima	NoorFathima
30	4RA18MBA31	Pooja C S	Pooja.C.S	Pooja.C.S
31	4RA18MBA32	Poornima M A	Poornima	Poornima
32	4RA18MBA33	Praisleen V	Praisleen V	Praisleen V
33	4RA18MBA34	Rathan H R	Rathan HR	Rathan HR
34	4RA18MBA35	Sachin K G	Sachin	Sachin

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Date: 06.11.2019

Hands on Workshop:Business Analyst
Workshop Attendance

Sl. No	Student Name	USN	Student Signature	
			Morning	Afternoon
1	4RA18MBA01	Abhijith K M	Abhijith K.M	Abhijith K.M
2	4RA18MBA02	Abhilasha D	Abhilasha D	Abhilasha.D
3	4RA18MBA03	Akshatha C H	Akshatha CH	Akshatha CH
4	4RA18MBA04	Akshay S G	Akshay.SG	Akshay.SG
5	4RA18MBA05	Ashika J	Ashika J	Ashika J
6	4RA18MBA06	Ashiwini H S	Ashwini	Ashwini
7	4RA18MBA07	Bandhavya B Y	Bandhavya	Bandhavya
8	4RA18MBA08	Bhavana N	Bhavana N	Bhavana N
9	4RA18MBA09	Bhavani B V	Bhavani.B.V	Bhavani B.V
10	4RA18MBA10	Bhumika Y L	Bhumika Y.L	Bhumika.Y.L
11	4RA18MBA11	Darshini K A		
12	4RA18MBA12	Deepti D	Deepti	Deepti
13	4RA18MBA13	Divya D R	Divya D R	Divya DR
14	4RA18MBA14	Gulabsha P	Gulabsha P.	Gulabsha P
15	4RA18MBA15	Hafsa Fathima	Hafsa	Hafsa
16	4RA18MBA16	Harshitha	Harshitha	Harshitha.
17	4RA18MBA17	Harshitha D N	Harshitha DN	
18	4RA18MBA18	Jayashree K A	Jayshree	Jayshree
19	4RA18MBA19	Kavana C S	Kavana	Kavana.
20	4RA18MBA20	Kavya Javalimath	Kavya Javalimath	Kavya Javalimath
21	4RA18MBA21	Kiran A M	Kiran Am	Kiran Am
22	4RA18MBA22	Krushika H K	Krushika.H.K	Krushika.H.K
23	4RA18MBA23	Likith S	Likith S	Likith S
24	4RA18MBA24	Megashree P	megashree p	megashree p
25	4RA18MBA25	Mehanaz	Mehanaz	Mehanaz
26	4RA18MBA26	Nandini H K	Nandini H K	Nandini H K
27	4RA18MBA28	Nayana	nayana	nayana.
28	4RA18MBA29	Nikitha Lakshmi S	Nik S.	Nik S
29	4RA18MBA30	NoorFathima	Noorfathima	Noorfathima
30	4RA18MBA31	Pooja C S	Pooja	Pooja
31	4RA18MBA32	Poornima M A	Poornima	Poornima
32	4RA18MBA33	Praisleen V	Praisleen V	praisleen V
33	4RA18MBA34	Rathan H R	Rathan HR	Rathan H R
34	4RA18MBA35	Sachin K G	Sachin	Sachin

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Date: 13-11-2019

Hands on Workshop:Business Analyst
Workshop Attendance

Sl. No	Student Name	USN	Student Signature	
			Morning	Afternoon
1	4RA18MBA01	Abhijith K M	Abhijith K.M	Abhijith K.M
2	4RA18MBA02	Abhilasha D	Abhilasha.D	Abhilasha.D
3	4RA18MBA03	Akshatha C H	Akshatha CH	Akshatha CH
4	4RA18MBA04	Akshay S G	Akshay.S.G	Akshay.S.G
5	4RA18MBA05	Ashika J	Ashika.J	Ashika J
6	4RA18MBA06	Ashiwini H S	Ashwini	Ashwini
7	4RA18MBA07	Bandhavya B Y	Bandhavya	Bandhavya
8	4RA18MBA08	Bhavana N	Bhavana N	Bhavana N
9	4RA18MBA09	Bhavani B V	Bhavani B.V	Bhavani B.V
10	4RA18MBA10	Bhumika Y L	Bhumika.Y.L	Bhumika.Y.L
11	4RA18MBA11	Darshini K A		
12	4RA18MBA12	Deepti D	Deepti	Deepti
13	4RA18MBA13	Divya D R	Divya.D.R.	Divya.D.R
14	4RA18MBA14	Gulabsha P	Gulabsha P	Gulabsha P
15	4RA18MBA15	Hafsa Fathima	Hafsa	Hafsa
16	4RA18MBA16	Harshitha	Harshitha	Harshitha.
17	4RA18MBA17	Harshitha D N	Harshitha D.N	
18	4RA18MBA18	Jayashree K A	Jayashree	Jayashree
19	4RA18MBA19	Kavana C S	Kavana	Kavana
20	4RA18MBA20	Kavya Javalimath	Kavya Javalimath	Kavya Javalimath
21	4RA18MBA21	Kiran A M	Kiran A.M	Kiran A.M
22	4RA18MBA22	Krushika H K	Krushika.H.K	Krushika.H.K
23	4RA18MBA23	Likith S	Likith S	Likith S
24	4RA18MBA24	Megashree P	Megashree P	Megashree P
25	4RA18MBA25	Mehanaz	Mehanaz	Mehanaz
26	4RA18MBA26	Nandini H K	Nandini H K	Nandini H K
27	4RA18MBA28	Nayana	Nayana	Nayana
28	4RA18MBA29	Nikitha Lakshmi S	Nikitha	Nikitha
29	4RA18MBA30	NoorFathima	Noorfathima	Noorfathima
30	4RA18MBA31	Pooja C S	Pooja C.S	Pooja C.S
31	4RA18MBA32	Poornima M A	Poornima	Poornima
32	4RA18MBA33	Praisleen V	Praisleen V	Praisleen.V
33	4RA18MBA34	Rathan H R	Rathan H R	Rathan H.R
34	4RA18MBA35	Sachin K G	Sachin	Sachin

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Date: 20.11.2019

Hands on Workshop:Business Analyst
Workshop Attendance

Sl. No	Student Name	USN	Student Signature	
			Morning	Afternoon
1	4RA18MBA01	Abhijith K M	Abhijith K.M	Abhijith K.M
2	4RA18MBA02	Abhilasha D	Abhilasha. D	Abhilasha. D
3	4RA18MBA03	Akshatha C H	Akshatha CH	Akshatha CH
4	4RA18MBA04	Akshay S G	Akshay.S.G	Akshay.S.G
5	4RA18MBA05	Ashika J	Ashika J	Ashika J
6	4RA18MBA06	Ashiwini H S	Ashwini	Ashwini
7	4RA18MBA07	Bandhavya B Y	Bandhavya	Bandhavya
8	4RA18MBA08	Bhavana N	Bhavana N	Bhavana N
9	4RA18MBA09	Bhavani B V	Bhavani B.V	Bhavani B.V
10	4RA18MBA10	Bhumika Y L	Bhumika YL	Bhumika YL
11	4RA18MBA11	Darshini K A		
12	4RA18MBA12	Deepti D	Deepti	Deepti
13	4RA18MBA13	Divya D R	Divya. DR	Divya. DR
14	4RA18MBA14	Gulabsha P	Gulabsha P	Gulabsha P
15	4RA18MBA15	Hafsa Fathima	Hafsa	Hafsa
16	4RA18MBA16	Harshitha	Harshitha	Harshitha
17	4RA18MBA17	Harshitha D N	Harshithadn	
18	4RA18MBA18	Jayashree K A	Jayshree	Jayshree
19	4RA18MBA19	Kavana C S	Kavana	Kavana
20	4RA18MBA20	Kavya Javalimath	Kavya Javalimath	Kavya Javalimath
21	4RA18MBA21	Kiran A M	Kiran AM	Kiran AM
22	4RA18MBA22	Krushika H K	Krushika H K	Krushika H K
23	4RA18MBA23	Likith S	Likith S	Likith S
24	4RA18MBA24	Megashree P	megashree p	Megashree p
25	4RA18MBA25	Mehanaz	Mehanaz	Mehanaz
26	4RA18MBA26	Nandini H K	Nandini H K	Nandini H K
27	4RA18MBA28	Nayana	Nayana	Nayana
28	4RA18MBA29	Nikitha Lakshmi S	Nikitha	Nikitha
29	4RA18MBA30	NoorFathima	Pooja C S	Pooja C S
30	4RA18MBA31	Pooja C S	Pooja.C.S	Pooja.C.S
31	4RA18MBA32	Poornima M A	Poornima.M.A	Poornima.M.A
32	4RA18MBA33	Praisleen V	Praisleen V	Praisleen V
33	4RA18MBA34	Rathan H R	Rathan H R	Rathan H R
34	4RA18MBA35	Sachin K G	Sachin	Sachin

35	4RA18MBA36	Sachin K P	Sachan KP	Sachan KP
36	4RA18MBA37	Sahana J	Sahana J	Sahana J
37	4RA18MBA38	Sanjay H M	Sanjay H.M	Sanjay H M
38	4RA18MBA39	Saraswathi A S	Saraswathi A S	Saraswathi A S
39	4RA18MBA40	Sharath H J	Sharath	Sharath
40	4RA18MBA41	Shashanka H K	Shashanka H K	Shashanka H K
41	4RA18MBA42	Shrunga H V	Shrunga	Shrunga
42	4RA18MBA43	Sinchana A R	Sinchana A R	Sinchana A R
43	4RA18MBA44	Sudharani B M	Sudharani B M	Sudharani B M
44	4RA18MBA45	Surabhi B S	Surabhi	Surabhi
45	4RA18MBA46	Sushma K S	Sushma. K. S	Sushma. K. S
46	4RA18MBA47	Thejaswini K S	Thejaswini KS	Thejaswini KS
47	4RA18MBA48	Thunga B R	Thunga BR	Thunga BR

Faculty Co-ordinator

HOD