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

# Proposal

**From,**
Department of CSE
Rajeev Institute of Technology
Hassan

**Date: 11-03-2019**

**To,**
The Principal
Rajeev Institute of Technology
Hassan

Respected Sir,

**Subject:** Requisition to conduct 4 days workshop on MACHINE LEARNING

As per the above mentioned subject, the department of CSE/ISE organizing workshop on **MACHINE LEARNING** for 8th semester CSE/ISE students on tentative date: **25-03-2019 to 28-03-2019**. The workshop will equip students with the knowledge as to start their carriers in this trending field .So kindly accept this request and grant the permission for smooth conduction of this workshop.

Thanking you,

Yours Sincerely,

Dr. Pramod H B



# RAJEEV INSTITUTE OF TECHNOLOGY



Department of Computer Science and Engineering

&

Information Science and Engineering

In association with

## CYPHER CLUB AND ATOM CLUB

presents 4 days of workshop on

# MACHINE LEARNING

Dear Sir / Madam

We invite you to be a part of the Inaugural ceremony of the workshop on 25/03/2019 at 9 am. Your presence at the inaugural ceremony will be a source of inspiration to all.

Venue : 4th floor, Seminar Hall, Main block.

With regards
HOD , Staffs and Students
Department of CSE & ISE

Scanned with CamScanner

## Program schedule:

| DAY – 1 (25/03/2019) | |
|---|---|
| **TIME** | **SESSION** |
| 09:00 AM – 9:30AM | **Inauguration** |
| 09:30AM-10:30AM | Session – 1<br>**Mrs. Pinal Pathak**<br>(Corporate Trainer, GeeksLab)<br>Topic: Introduction to Machine Learning<br>(What is machine learning and its importance? Types of machine learning: supervised, unsupervised) |
| 10:30 AM - 11:30 PM | **TEA BREAK** |
| 11:30 PM - 01:00 PM | **Session – 2**<br>Topic: learning Key machine learning terminologies: features, labels, training data, testing data) |
| 01:00 PM - 02:00 PM | **Lunch Break** |
| 02:00 PM- 03:00 PM | **Session – 3**<br>**Mrs. Pinal Pathak**<br>**(Corporate Trainer, GeeksLab)**<br>**Topic: Machine Learning classification**<br>(foundational concepts of machine learning, including supervised and unsupervised learning) and the difference between regression and classification. Practical examples were given to illustrate how machine learning is utilized in various industries)**.** |
| 03:00 PM- 04:00 PM | **TEA BREAK** |
| 04:00 PM- 05:00 PM | **Session – 4**<br>**Mrs. Pinal Pathak**<br>**(Corporate Trainer, GeeksLab)**<br>**Topic: (the difference between regression and classification)**<br>(foundational concepts of machine learning, including supervised and unsupervised learning, and the difference between regression and classification. Practical examples were given to illustrate how machine learning is utilized in various industries) |
| **DAY – 2 (26/03/2019)** | |
| **TIME** | **SESSION** |
| 09:00 AM- 11:00 AM | **Session – 1**<br>**Topic: Machine Learning algorithms**(delivered engaging sessions on popular algorithms such as Decision Trees, Random Forests |

| | |
|---|---|
| 11:00 AM - 11:30 AM | **Tea Break** |
| 11:30AM- 1:00 PM | **Session – 2**<br><br>**Topic: Machine Learning algorithms** (Support Vector Machines (SVM), Naive Bayes, and Neural Networks. The discussions included the strengths, weaknesses, and appropriate use cases for each algorithm). |
| 01:00 PM - 02:00 PM | **Lunch Break** |
| 02:00 PM- 03:00 PM | **Session – 3**<br><br>**Topics: Supervised Learning-Classification(**classification problems,Logistic regression: theory and implementation in Python) |
| 03:00 PM- 04:00 PM | **TEA BREAK** |
| 04:00 PM- 05:00 PM | **Session – 4**<br>**Evaluation metrics for classification models(**AUC-ROC) |

| DAY – 3 (27/03/2019) | |
|---|---|
| **TIME** | **SESSION** |
| 9:00 AM – 11:00AM | **Session – 1**<br>**Topic: Handson session** (popular algorithms such as Decision Trees, Random Forests, Support Vector Machines (SVM)) |
| 11:00 AM - 11:30 AM | **Tea Break** |
| 11:30 AM - 01:00 PM | **Session – 2**<br>**Topic: Machine Learning Algorithms**<br>(Delivered engaging sessions on popular algorithms such as Decision Trees, Random Forests, Support Vector Machines (SVM), Naive Bayes, and Neural Networks. The discussions included the strengths, weaknesses, and appropriate use cases for each algorithm). |
| 1:00 PM - 02:00PM | **Lunch Break** |
| 2:00 PM- 03:00 PM | **Session – 3**<br>**Topic: Dimensionality Reduction**<br>(Understanding dimensionality reduction, Principal Component Analysis (PCA): theory and implementation in Python) |
| 3:00 PM- 04:00 PM | **Tea Break** |
| 4:00 PM- 05:00 PM | **Session – 4**<br>**Topic: Handson session**<br>(Program execution) |
| **DAY – 4 (28/03/2019)** | |
| **TIME** | **SESSION** |
| 9:00 AM - 11:00 AM | **Session – 1**<br>**Topic: Introduction to Machine Learning Models**<br>(Introducing decision trees, Ensemble learning and Random Forests: theory and implementation in Python) |
| 11:00 PM - 11:30 PM | **Tea Break** |
| 11:30 PM - 01:00 PM | **Session – 2**<br>**Topics: Real world applications**<br>(Practical machine learning examples (e.g., image classification, sentiment analysis), Discussing real-world use cases and challenges) |
| 1:00 PM - 02:00PM | **Lunch Break** |

| | |
|---|---|
| 02:00 PM- 03:00 PM | **Session – 3**<br>**Topics: Natural Language Processing (NLP)**<br>NLP enabled applications such as language translation, sentiment analysis, and chatbots. |
| 04:00 PM- 05:00 PM | **Session – 4**<br>**Discussion** |

| | |
|---|---|
| 04:00 PM - 04:15 PM | **Feedback and Valedictory Session** |

Throughout the workshop, participants will engage in hands-on exercises and small projects to reinforce the concepts learned in each session. The focus will be on simplicity and building a strong foundation in machine learning to inspire participants to explore more advanced topics independently.

Geekslab Technologies Pvt. Ltd.
HQ: C-7/223, Sector-7, Rohini, New Delhi-85
Branch Office: 91Springboard, C-2, Sector-1, Noida
Web: www.geekslab.in

## Trainer Profile

GeeksLAB is equipped with experienced and highly skilled professionals who have expertise on various aspects of Technologies. The experts at GeeksLAB keep themselves updated with the latest technologies with the motive to spread awareness about budding technologies and advancement amongst students all over the country. Their energy and vision has fueled rapid growth of the company and instrumental in building brand GeeksLAB, as undisputed leaders in various aspects of technological Training with its practical and different approach.

**Mrs. Pinal Pathak**

A post graduate Tech Enthusiast with **expertise in Data Science, Analytics, Artificial Intelligence, Machine Learning, Deep Learning with strong grip on Python, R Programing, Business Intelligence, Djando and Tensorflow.** Having 8 year experience as corporate trainer and the vast knowledge in Python and Artificial Intelligence, Data Science and Business Analytics on various tools and domains, she enjoys creating a comfortable, safe, non-threatening environment so participants can relax, ask questions and learn. She loves to teach and has taught in various sectors participants.

She always look for working with enthusiastic group or people on any **challenging Technical project or entrepreneurial activity.** Having industrial work experience of 5 additional years in diverse domains including Tech R & D operations and Industrial Projects Development makes her a complete package of experience of diversified fields.

- She has proven ability in assisting clients in identifying training needs, measuring and evaluating training. Her experience expands over a wide spectrum ranging from C, C++, web designing, PHP, OOPs, RIA, HTMl5, CSS3, Javascript, AngularJS, CakePHP, Codeigniter, MySQL, RDBMS, MVC Support, Database Administration, Distributed Databases, PYTHON, Artificial Intelligence, Machine Learning Algorithms, Business Intelligence, R programming tool, Big data Analytics and Hadoop, HTML, XML, Data Warehousing & Data Mining, JAVA SCRIPT, JSP, Servlets, Spring, Hibernate, Web Programming, ERPs, Advance Java, J2ME, Hibernate, Information Management Systems, Customized software development and various development platform with Rich user-interface made her proficient in handling comprehensive Training and Consultation.
- Her hands on experience on various programming languages and various development platforms for applications with Rich user-interface make her proficient in handling **comprehensive Training and Consultation**.
- Having the vast knowledge in programming on various experience expands over a wide spectrum ranging from Web Development(HTML5, CSS3, PHP, AngularJS, RIA etc.), Front End Development, Advance Java, Javascript, P5.js, ReactJS, Sentiment

Scanned with CamScanner

Scanned with CamScanner

Analysis Bootstrap, NodeJS, MongoDB, Firebase, Boostrap and Rich Internet Applications makes her proficient in mean and fullstack development and consultation.

- Her experience expands over a wide spectrum ranging from Meanstack Development, image processing, Cloud Computing (Microsoft Azure and AWS), Convolutional Neural Networks, Matplotlib, Flask, Pandas, Bootstrap with complete Artificial Intelligence and Deep learning Expertise.
- She has proven ability in assisting clients in identifying training needs, measuring and evaluating training.
- Her experience expands over a wide spectrum ranging from **Python, R programing, Data Analytics & Business Intelligence, Machine Learning, Deep Learning, Computer Vision, Artificial Intelligence, Data Science, TensorFlow, OpenCV, Microsoft BI Tools, Data statistical analysis, graphics representation and reporting.**
- She also having experience of extensive **Projects R& D, training and practical implementation** in the field Pytorch, Djando and Deep learning.
- Have **taught professionals from various domain** viz, Finance, Retail, HR, Manufacturing, IT who have successfully shifted their career in the field of Artifical Intelligence, Deep learning and Python including Accenture, Ericsson, UST Global, Compucom, Kronos, Molex India, Epsilon etc through virtual training program.
- She is passionate about Digital technologies and possess deep insights about the domain.
- With rich training experience along with passion for AI, **she designed her own projects to make the complex technologies understandable by students and has vast practical knowledge of the technology.**
- She is **certified Python, Deep Learning, Java, Machine Learning Analyst and Developer.**
- She is always keen to impart her domain expertise knowledge to the participant. She enjoys creating a comfortable environment so participants can learn more with great interaction and enjoyment. She has successfully completed various projects and with GeeksLAB, conducted training in over 35+ engineering colleges and an outreach of over 4200+ students and faculties including SDM-Dharwad, Sinhgad Institutes-Pune, Symbiosys International University, A C Patil-Navi Mumbai, Amity Univeristy, KGISL-Coimbatore, Sharda Universty-Greater Noida and trained 2000+ professionals via online corporate training.
- Some of her self developed students projects are:
    - Self driving Car with **Pytorch and Kivy** for implementation of Artificial intelligence.
    - Animal Detector with **CNN** to detect 30 different animals and 20000 images with the accuracy rate of 96% on the 5000 test data.
    - BSE Pridiction with **quandl, lstm , RNN-LSTM, kera and Tensorflow** for live prediction of Bajaj Auto Company at Bombay stock exchange.

Scanned with CamScanner

Scanned with CamScanner

**Rajeev Institute of Technology, Hassan.**

## Final Student List for ( FEB - MAY 2019)

| SL NO | USN | Name of the Student | 25/03/2019 | | 26/03/2019 | |
|---|---|---|---|---|---|---|
| | | | AM | PM | AM | PM |
| 1 | 4RA14CS011 | ASHA H S | Asha | Asha | Asha | Asha |
| 2 | 4RA15CS006 | ANISH G | Anish G | Anish G | — ABSENT — | |
| 3 | 4RA15CS008 | ANUSHA A M | Anusha A M | Anusha A M | — ABSENT — | |
| 4 | 4RA15CS009 | ANUSHA M | Anusha M | Anusha M | Anusha M | Anusha M |
| 5 | 4RA15CS010 | ANUSHA M L | | | | |
| 6 | 4RA15CS012 | ARPITHA H K | Arpitha H K | Arpitha H K | ← ABSENT → | |
| 7 | 4RA15CS014 | ASHRITHA G DUTTA | Ashritha | Ashritha | ← ABSENT → | |
| 8 | 4RA15CS015 | ASHWINI R | Ashwini | Ashwini | Ashwini | Ashwini |
| 9 | 4RA15CS016 | AYESHA AFRIN | Ayesha | Ayesha | Ayesha | Ayesha |
| 10 | 4RA15CS017 | BASAVANJALI T C | Basavanjali T C | Basavanjali T C | Basavanjali T C | Basavanjali T C |
| 11 | 4RA15CS018 | BHARATH A N | B. A.N | B. A.N | B. A.N | B. A.N |
| 12 | 4RA15CS019 | BHARGAVI H J | Bharg | Bharg | Bharg | Bharg |
| 13 | 4RA15CS020 | BHOOMIKA K B | Bhoomi | Bhoomi | Bhoomi | Bhoomi |
| 14 | 4RA15CS022 | CHAITRA K | — ABSENT — | | ← ABSENT — | |
| 15 | 4RA15CS023 | CHAMPA J G | Champa | Champa | Champa | Champa |
| 16 | 4RA15CS024 | CHETHAN KUMAR R K | Chethan | Chethan | Chethan | Chethan |
| 17 | 4RA15CS025 | DEEKSHA R | — ABSENT — | | ← ABSENT → | |
| 18 | 4RA15CS027 | DIVYA D K | — ABSENT — | | Divya D K | Divya D K |
| 19 | 4RA15CS028 | FAZIL SHARIFF | — ABSENT — | | ← ABSENT → | |
| 20 | 4RA15CS030 | HARSHITHA K M | kmh | kmh | kmh | kmh |
| 21 | 4RA15CS031 | HEMANTH KUMAR H S | | | | |
| 22 | 4RA15CS032 | HOYSAL SHETTY K S | — ABSENT — | | | |
| 23 | 4RA15CS033 | JAFFAR HUSSAIN | — ABSENT — | | | |
| 24 | 4RA15CS035 | KAVYA G P | Kavya G P | Kavya G P | Kavya G P | Kavya G P |
| 25 | 4RA15CS036 | KAVYA R | — ABSENT — | | ← ABSENT — | |
| 26 | 4RA15CS037 | KAVYASHREE R H | Kavy | Kavy | Kavy | Kavy |
| 27 | 4RA15CS039 | KOUSHIK K M | Koushik | Koushik | Koushik | Koushik |
| 28 | 4RA15CS040 | KRUTHIKA K LADER | Kruthika | Kruthika | Kruthika | Kruthika |
| 29 | 4RA15CS041 | KSHITHIJA K | Kshithija K | Kshithija K | Kshithija K | Kshithija K |
| 30 | 4RA15CS042 | LAKSHMI D S | Lakshmi | Lakshmi | Lakshmi | Lakshmi |
| 31 | 4RA15CS045 | LIKHITH S V | Likhith S.V | Likhith S.V | Likhith S.V | Likhith S.V |
| 32 | 4RA15CS046 | M MANDARA | Mandara H | Mandara H | Mandara H | Mandara H |
| 33 | 4RA15CS047 | MADIHA FATHIMA | Madiha Fathima | Madiha Fathima | ← ABSENT → | |

Scanned with CamScanner

Scanned with CamScanner

| SL NO | USN | Name of the Student | 25/03/2019 | | 26/03/2019 | |
|---|---|---|---|---|---|---|
| | | | AM | PM | AM | PM |
| 34 | 4RA15CS049 | MEGHA C D | Megha | Megha | Megha | Megha |
| 35 | 4RA15CS051 | MOHAMMADI KOUSAR K I | | | | |
| 36 | 4RA15CS052 | MOHAMMED HAYATH | Hayath | Hayath | Hayath | Hayath |
| 37 | 4RA15CS054 | MOULYA A V | | AB | | |
| 38 | 4RA15CS055 | NAGARAJ J S | AB | Nagaraj JS | Nagaraj JS | Nagaraj JS |
| 39 | 4RA15CS056 | NAMITHA H R | Namitha | Namitha | Namitha | Namitha |
| 40 | 4RA15CS058 | NEETHA H C | Neetha | Neetha | Neetha | Neetha |
| 41 | 4RA15CS059 | NEHA C C | Neha | Neha | Neha | Neha |
| 42 | 4RA15CS060 | NIKHIL G GOWDA | Nikhil.G.Gowda | Nikhil.G.Gowda | Nikhil.G.Gowda | Nikhil G Gowda |
| 43 | 4RA15CS061 | NOOR AFSHAN | Afshan | Afshan | Afshan | Afshan |
| 44 | 4RA14IS007 | BHAVISHYA B | Bhavishya | Bhavishya | Bhavishya | Bhavishya |
| 45 | 4RA14IS022 | NITHYASHREE K | AB | AB | ← ABSENT → | |
| 46 | 4RA14IS038 | SYED ZEESHAN | Syed Zeeshan | Syed Zeeshan | Syed Zeeshan | Syed Zeeshan |
| 47 | 4RA15IS001 | ABDUL AZEEZ | Abdul Azeez | Abdul Azeez | Abdul Azeez | Abdul Azeez |
| 48 | 4RA15IS003 | AISHWARYA KESHAV | Aishwarya Keshav | Aishwarya Keshav | Aishwarya Keshav | |
| 49 | 4RA15IS004 | AKSHATHA.H.C | Akshatha HC | Akshatha HC | Akshatha HC | Akshatha HC |
| 50 | 4RA15IS005 | AMINA ZAHAB | AB | AB | ← ABSENT → | |
| 51 | 4RA15IS006 | ANUPAMA.H.R | Anupama.H.R | Anupama.H.R | Anupama.H.R | Anupama.H.R |
| 52 | 4RA15IS007 | ARPITHA | Arpitha | Arpitha | Arpitha | AB |
| 53 | 4RA15IS011 | DIMPLE PATEL | Dimple | Dimple | ← ABSENT → | |
| 54 | 4RA15IS012 | HARSHA MAHESH | ABSENT | | ← ABSENT → | |
| 55 | 4RA15IS015 | KAVYASHREE .K | Kavyashree | Kavyashree | Kavyashree | Kavyashree |
| 56 | 4RA15IS018 | MEGHANA H P | Meghana | Meghana | Meghana | Meghana |
| 57 | 4RA15IS019 | MEGHANA N | ABSENT | | ← ABSENT → | |
| 58 | 4RA15IS021 | MISBAH SEHER | Misbah Seher | Misbah Seher | Misbah Seher | Misbah Seher |
| 59 | 4RA15IS023 | NIKITHA B M | | | | |
| 60 | 4RA15IS025 | NITHASHREE N | | | | |
| 61 | 4RA15IS026 | NOORUL AYN | Noorul Ayn | Noorul Ayn | Noorul Ayn | Noorul Ayn |
| 62 | 4RA15IS027 | POOJA K Y | Pooja KY | Pooja KY | Pooja KY | Pooja KY |
| 63 | 4RA15IS031 | RACHANA K C | Rachana.KC | Rachana.K.C | Rachana | Rachana.K.C |
| 64 | 4RA15IS035 | SANTHOSH .H.S | Santhosh | Santhosh | Santhosh | Santhosh |
| 65 | 4RA15IS037 | SHRIKANTH.B.N | Shrikanth | Shrikanth | Shrikanth | Shrikanth |
| 66 | 4RA15IS038 | SHWETHA .C | Shwetha | Shwetha | Shwetha | Shwetha |
| 67 | 4RA15IS039 | SUNEHA.G.S | ABSENT | | ← ABSENT → | |
| 68 | 4RA15IS040 | SWATHI .K.T | Swathi KT | Swathi KT | ← ABSENT → | |
| 69 | 4RA15IS041 | THIYABA ANSARI | Thiyaba | Thiyaba | Thiyaba | Thiyaba |
| 70. | 4RA17SCS01 | BHUVANA. V | Bhuvana.V | Bhuvana.V | Bhuvana.V | Bhuvana.V |
| 71. | 4RA17SCS03 | NANDITHA H.M | Nanditha | Nanditha | Nanditha | Nanditha |

Scanned with CamScanner

Scanned with CamScanner

| SL no | USN | Name of the Student | 27/03/2019 | | 28/03/2019 | |
|---|---|---|---|---|---|---|
| 1 | 4RA14CS011 | ASHA H S | Asha | Asha | Asha | Asha |
| 2 | 4RA15CS006 | ANISH G | Anish G | Anish G | ABSENT | |
| 3 | 4RA15CS008 | ANUSHA A M | Anusha A M | Anusha A M | ABSENT | |
| 4 | 4RA15CS009 | ANUSHA M | Anusha M | Anusha M | Anusha M | Anusha M |
| 5 | 4RA15CS010 | ANUSHA M L | | | | |
| 6 | 4RA15CS012 | ARPITHA H K | Arpitha H K | Arpitha H K | ABSENT | |
| 7 | 4RA15CS014 | ASHRITHA G DUTTA | Ashritha G Dutta | Ashritha G Dutta | ABSENT | |
| 8 | 4RA15CS015 | ASHWINI R | Ashwini R | Ashwini R | Ashwini | Ashwini |
| 9 | 4RA15CS016 | AYESHA AFRIN | Ayesha | Ayesha | Ayesha | Ayesha |
| 10 | 4RA15CS017 | BASAVANJALI T C | Basavanjali T C | Basavanjali T C | Basavanjali T C | Basavanjali T C |
| 11 | 4RA15CS018 | BHARATH A N | B. A. N | B. A. N | B. A. N | B. A. N |
| 12 | 4RA15CS019 | BHARGAVI H J | Bharg | Bharg | Bharg | Bharg |
| 13 | 4RA15CS020 | BHOOMIKA K B | Bhoomi | Bhoomi | Bhoomi | Bhoomi |
| 14 | 4RA15CS022 | CHAITRA K | ABSENT | | ABSENT | |
| 15 | 4RA15CS023 | CHAMPA J G | Champa | Champa | Champa | Champa |
| 16 | 4RA15CS024 | CHETHAN KUMAR R K | Chethan | Chethan | Chethan | Chethan |
| 17 | 4RA15CS025 | DEEKSHA R | ABSENT | | ABSENT | |
| 18 | 4RA15CS027 | DIVYA D K | ABSENT | | Divya D K | Divya D K |
| 19 | 4RA15CS028 | FAZIL SHARIFF | ABSENT | | ABSENT | |
| 20 | 4RA15CS030 | HARSHITHA K M | Kmb | Kmb | Kmb | Kmb |
| 21 | 4RA15CS031 | HEMANTH KUMAR H S | Hemanth | Hemanth | Hemanth | Hemanth |
| 22 | 4RA15CS032 | HOYSAL SHETTY K S | ABSENT | | Hoysal Shetty K S | Hoysal Shetty K S |
| 23 | 4RA15CS033 | JAFFAR HUSSAIN | ABSENT | | Jaffar | Jaffar |
| 24 | 4RA15CS035 | KAVYA G P | Kavya G P | Kavya G P | Kavya G P | Kavya G P |
| 25 | 4RA15CS036 | KAVYA R | ABSENT | | ABSENT | |
| 26 | 4RA15CS037 | KAVYASHREE R H | Kavy | Kavy | Kavy | Kavy |
| 27 | 4RA15CS039 | KOUSHIK K M | Koushik | Koushik | Koushik | Koushik |
| 28 | 4RA15CS040 | KRUTHIKA K LADER | Kruthika K | Kruthika K | Kruthika K | Kruthika K |
| 29 | 4RA15CS041 | KSHITHIJA K | Kshithija K | Kshithija K | Kshithija K | Kshithija K |
| 30 | 4RA15CS042 | LAKSHMI D S | Lakshmi | Lakshmi | Lakshmi | Lakshmi |
| 31 | 4RA15CS045 | LIKHITH S V | Likhith S.V | Likhith S.V | Likhith S.V | Likhith S.V |
| 32 | 4RA15CS046 | M MANDARA | Mandara | Mandara | Mandara | Mandara |
| 33 | 4RA15CS047 | MADIHA FATHIMA | Madiha Fathima | Madiha Fathima | ABSENT | |

| SL no | USN | Name of the Student | 27/03/2019 | | 28/03/2019 | |
|---|---|---|---|---|---|---|
| 34 | 4RA15CS049 | MEGHA C D | | | | |
| 35 | 4RA15CS051 | MOHAMMADI KOUSAR K I | | | | |
| 36 | 4RA15CS052 | MOHAMMED HAYATH | | | | |
| 37 | 4RA15CS054 | MOULYA A V | AB | AB | | |
| 38 | 4RA15CS055 | NAGARAJ J S | | | | |
| 39 | 4RA15CS056 | NAMITHA H R | | | | |
| 40 | 4RA15CS058 | NEETHA H C | | | | |
| 41 | 4RA15CS059 | NEHA C C | | | | |
| 42 | 4RA15CS060 | NIKHIL G GOWDA | | | | |
| 43 | 4RA15CS061 | NOOR AFSHAN | | | | |
| 44 | 4RA14IS007 | BHAVISHYA B | AB | AB | ← ABSENT → | |
| 45 | 4RA14IS022 | NITHYASHREE K | | | | |
| 46 | 4RA14IS038 | SYED ZEESHAN | | | | |
| 47 | 4RA15IS001 | ABDUL AZEEZ | | | | |
| 48 | 4RA15IS003 | AISHWARYA KESHAV | | | | |
| 49 | 4RA15IS004 | AKSHATHA.H.C | | | | |
| 50 | 4RA15IS005 | AMINA ZAHAB | AB | AB | ← ABSENT → | |
| 51 | 4RA15IS006 | ANUPAMA.H.R | | | | |
| 52 | 4RA15IS007 | ARPITHA | | | | AB |
| 53 | 4RA15IS011 | DIMPLE PATEL | | | ← ABSENT → | |
| 54 | 4RA15IS012 | HARSHA MAHESH | ABSENT | | ← ABSENT → | |
| 55 | 4RA15IS015 | KAVYASHREE .K | | | | |
| 56 | 4RA15IS018 | MEGHANA H P | | | | |
| 57 | 4RA15IS019 | MEGHANA N | ABSENT | | ← ABSENT → | |
| 58 | 4RA15IS021 | MISBAH SEHER | | | | |
| 59 | 4RA15IS023 | NIKITHA B M | | | | |
| 60 | 4RA15IS025 | NITHASHREE N | | | | |
| 61 | 4RA15IS026 | NOORUL AYN | | | | |
| 62 | 4RA15IS027 | POOJA K Y | | | | |
| 63 | 4RA15IS031 | RACHANA K C | | | | |
| 64 | 4RA15IS035 | SANTHOSH .H.S | | | | |
| 65 | 4RA15IS037 | SHRIKANTH.B.N | | | | |
| 66 | 4RA15IS038 | SHWETHA .C | | | | |
| 67 | 4RA15IS039 | SUNEHA.G.S | ABSENT | | ← ABSENT → | |
| 68 | 4RA15IS040 | SWATHI .K.T | | | ← ABSENT → | |
| 69 | 4RA15IS041 | THIYABA ANSARI | | | | |
| 70 | 4RA17SCS01 | BHUVANA V | Bhuvana.V | Bhuvana.V | Bhuvana.V | Bhuvana.V |
| 71 | 4RA17SCS03 | NANDITHA H.M | Nanditha | Nanditha | Nanditha | Nanditha |

# Workshop on Machine Learning

## Feedback

| Timestamp | Name | USN | Feedback |
|---|---|---|---|
| 2019/03/28 3:15 | Priya K Prasad | 4PA15CS110 | Satisfactory |
| 2019/03/28 3:50 | Preethi A C | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 3:50 | Poornima | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 3:55 | VARDHINI M S | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 3:57 | Suvarna BA | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 3:57 | Suvarna BA | 4PA15CS101 | Satisfactory |
| 2019/03/28 3:57 | Sowmya N | 4PA15CS[illegible] | Not satisfied ✗ |
| 2019/03/28 3:57 | Priyanka D | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 3:57 | geethapriya s | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 3:57 | hemalatha b n | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 3:58 | Rakshitha c r | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 3:58 | Sushasini N | 4PA15CS096 | Excellent ✓ |
| 2019/03/28 3:59 | Manjunatha n | 1pa16cs407 | Satisfactory |
| 2019/03/28 4:00 | Shiva ram | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 4:01 | Priya K Prasad | 4PA15CS110 | Not satisfied |
| 2019/03/28 4:02 | VARSHASHRI [illegible] | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 4:02 | Vardhini M S | 4PA15CS[illegible] | Not satisfied |
| 2019/03/28 4:03 | Pavan K M | 4PA15CS[illegible] | Not satisfied |
| 2019/03/28 4:04 | Pavan K T | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 4:06 | Meghana p | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 4:10 | Pooja T S | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 4:13 | Kavya AM | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 4:15 | Sharath G K | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 4:36 | Sahana H M | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 5:03 | Priyanka K S | 4PA15CS[illegible] | Satisfactory |
| 2019/03/28 5:10 | Sowmya kb | 4PA15CS[illegible] | Excellent |
| 2019/03/28 5:13 | Reddy n t | 4PA15CS[illegible] | Excellent |
| 2019/03/28 5:22 | Vinay gr | 4PA15CS[illegible] | Excellent |
| 2019/03/28 5:29 | Reshma K T | 4PA15CS[illegible] | Satisfactory |

CS Scanned with CamScanner

GeeksLAB Technologies

RAJEEV INSTITUTE OF TECHNOLOGY

# Certificate of Participation

This is to certify that Mr./Ms. DHANYA K N
successfully participated in the workshop on
**Machine Learning**
conducted by Geekslab Technologies Pvt. Ltd.
in association with AIESEC IIT-Delhi
organised by Department of Computer Science & Engineering
and Department of Information Science & Engineering
at Rajeev Institute of Technology, Hassan
on 25th -26th and 27th - 28th of March 2020

Business Manager
Geekslab Technologies Pvt. Ltd.

Dr. A N Ramakrishna
Principal, RIT, Hassan

Dr. H N Prakash
HOD CSE, RIT, Hassan

Head Training
Geekslab Technologies Pvt. Ltd.

Certificate

AIESEC IIT DELHI

edulution technologies

GeeksLAB INFOTECH

Technosolutions

GeeksLAB Technologies

RAJEEV INSTITUTE OF TECHNOLOGY

# Certificate of Participation

This is to certify that Mr./Ms. ANUSHA G P
successfully participated in the workshop on
**Machine Learning**
conducted by Geekslab Technologies Pvt. Ltd.
in association with AIESEC IIT-Delhi
organised by Department of Computer Science & Engineering
and Department of Information Science & Engineering
at Rajeev Institute of Technology, Hassan
on 25th -26th and 27th - 28th of March 2020

Business Manager

Dr. A N Ramakrishna

Dr. H N Prakash

Head Training
Geekslab Technologies Pvt. Ltd.

Certificate






Scanned with CamScanner







d with CamScanner

Scanned with CamScanner

# REPORT ON

## "4-Day Workshop on Machine Learning Concepts and Applications"

**Organized by:**

**Department of Computer Science and Engineering**

Date: [25/03/2019] to [28/03/2019]

## Overview:

The 4-day workshop on Machine Learning Concepts and Applications was organized by department of CSE and ISE with the aim to provide participants with a comprehensive understanding of machine learning principles, algorithms, and their real-world applications. The workshop took place for 4 days and was attended by 71 students of CSE and ISE.

## Day 1: Introduction to Machine Learning

The workshop kicked off with an introduction to machine learning, presented by Mrs. Pinal Pathak Participants were introduced to the foundational concepts of machine learning, including supervised and unsupervised learning, and the difference between regression and classification. Practical examples were given to illustrate how machine learning is utilized in various industries.

## Day 2: Machine Learning Algorithms

On the second day, participants delved into the core machine learning algorithms. Mrs. Pinal Pathak delivered engaging sessions on popular algorithms such as Decision Trees, Random Forests, Support Vector Machines (SVM), Naive Bayes, and Neural Networks. The discussions included the strengths, weaknesses, and appropriate use cases for each algorithm.

## Day 3: Hands-on Workshops

The third day focused on hands-on workshops, allowing participants to gain practical experience in implementing machine learning models. The participants were divided into groups, and each group was given a real-world dataset to work on. Under the guidance of experienced facilitators, they applied various machine learning algorithms to their datasets and gained insights into data preprocessing, feature engineering, and model evaluation.

## Day 4: Applications of Machine Learning

The final day of the workshop centered on the diverse applications of machine learning in various domains. Mrs. Pinal Pathak shared success stories of machine learning applications in areas like healthcare, finance, marketing, and natural language processing. Participants learned about the challenges faced in implementing machine learning projects and the best practices to overcome them.

## Key Takeaways:

A solid understanding of machine learning principles and algorithms.
Hands-on experience in building machine learning models using real-world datasets.
Awareness of the potential applications and impact of machine learning in different industries.
Knowledge of the challenges and best practices in deploying machine learning projects.

## Feedback and Impact:

At the end of the workshop, participants were invited to provide feedback. The response was overwhelmingly positive, with attendees expressing their appreciation for the well-structured content and knowledgeable speakers. Many participants mentioned that the hands-on workshops were particularly valuable, as they offered practical skills that could be immediately applied to their work.

The workshop had a significant impact on the participants, indicating that they now feel confident in implementing machine learning solutions in their respective fields. Several participants expressed interest in further advanced workshops or specialized training in specific machine learning areas.

## Conclusion:

The 4-day workshop on Machine Learning Concepts and Applications was a resounding success. It provided participants with a strong foundation in machine learning and equipped them with practical skills to tackle real-world challenges. The event not only fostered learning but also facilitated networking among professionals in the machine learning community.

We extend our gratitude to all the participants, speakers, trainers, and organizing committee members for making this workshop a memorable and enriching experience.

For any further inquiries or information on upcoming workshops, please feel free to contact us at

Workshop Organizing team:

**Dr Pramod H B- 9844404014.**

**Mr. Arjun B C- 9844584208**

# Workshop on Engine Overhauling

Department of Mechanical Engineering, Mechanoid Club organized the workshop on "Engine Overhauling" with the association of 'Tech Trunk Ventures Pvt. Ltd. Hyderabad', from 02/04/2019 to 04/04/2019.

To,

Date: 05.04.2019

The Principal
RIT, Hassan

Sir,

Subject: Requisition for Sanction the Amount towards conducted the Three Days WORK SHOP on IC ENGINE overhauling at our campus from **02.04.2019 to 04.04.2019**-reg

With respect to the above subject, The Department of Mechanical Engineering conducted the **Three Days WORK SHOP on IC ENGINE OVERHALIING FOR 6TH semester students** at our campus from **02.04.2019 to 04.04.2019,** TechTrunk Ventures Pvt. Ltd., Hydrabad. So please sanction the amount mentioned above mentioned form name. I hope you will do the needful and oblige.

| | | |
|---|---|---|
| Workshop Bill | 132 No. x Rs. 450.00 | = **59400.00** |
| IC Engine & Mechanic Charges (Deduction) | | = **5000.00** |
| | **Sub Total** | = **54400.00** |
| | **GST(18%)** | = **9792.00** |
| | **Total** | = **64,192.00** |

**(Sixty Four Thousand One Hundred and Ninety Two only)**

Thanking you,

Yours faithfully

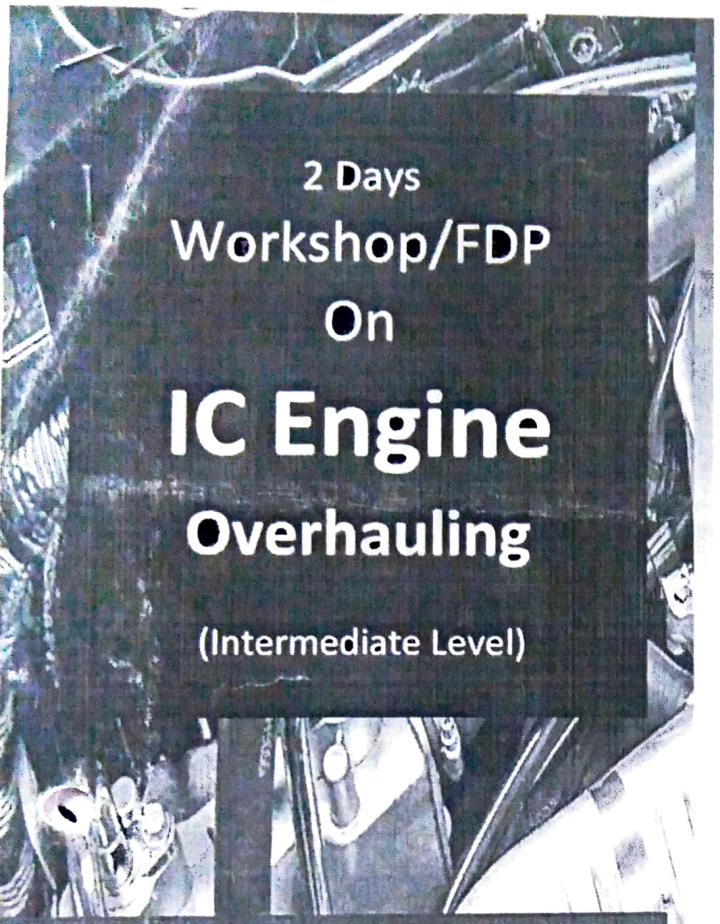
5/4/19

Dr. Dhananjaya D A
Vice Principal, Professor & Head
Department Of Mechanical Engineering,
Rajeev Institute of Technology
Hassan – 573 201

**Payment Details:**

| | |
|---|---|
| Name | : TECHTRUNK VENTURES PVT. LTD. |
| Bank | : ICICI, Ramachandrapuram, |
| A/C Number | : 279505000162 |
| Mode of payment | : NEFT/RTGS/IMPS/Cheque |
| IFSC | : ICIC0002795, RC Puram |
| A/C Type | : Current |

Enclosed: Invoice



2 Days

# Workshop/FDP On IC Engine Overhauling

(Intermediate Level)

**Prerequisite:** None

**Hands on :** Complete Dismantling & Assembling of Engine

**Company Requirements:**

- 1 Seminar Hall with seating capacity of 150-200 students
- Sound System
- 1 LCD Projector
- 2 volunteers
- Open Space for Engine Overhauling & Assembling
- Accommodation for resource person.

TechTrunk Ventures Pvt. Ltd.
A Spirit of Innovation
An ISO 9001:2008 Certified Training Company

**Introduction**

- What is an automobile?
- Brief history & Changes over the years
- Indian automobile industry

**Transmission system**

- Flywheel & Clutch
- Single Plate & Multi Plate Clutch
- Cone, Centrifugal & Electromagnetic Clutch
- Gearbox
- Constant mesh type & Synchromesh type
- Sliding mesh type
- Reverse and its working
- Manual, Semi-Automatic & Automatic Transmission
- CVT, Differential, 2WD, 4WD, AWD Transmission System
- Tyres & size notations & its types
- Traction Control

**Braking Unit**

- Disc Brakes, Drum Brakes & Magnetic Brakes
- Vacuum Brakes & Anti-lock braking System
- Brake Actuators
- Solid Bar connection
- Single-circuit hydraulic & Dual-circuit hydraulic
- Power Brakes & Brake Fluids

**Fuel Supply System**

- Fuel Filter, Carburettor, Fuel Injector & Spark Plug
- IC Engine & its types
- 4-Stroke Engine & 2-Stroke Engine
- Engine Layout and working
- Valves and Valve Timing & Engine Cooling
- Turbochargers & Superchargers

**IC Engine**

- Types of IC Engine
- 4-Stroke Engine
- 2-Stroke Engine
- Engine Layout and working
- Valves and Valve Timing
- Engine Cooling
- Turbochargers
- Superchargers

**Assembling disassembling the Engine**

**Latest Technologies**

- PGMFi & MPFi
- CRDi
- VVTi

Tech Trunk

TechTrunk Ventures Pvt. Ltd.
25-35/3/B, Sekhar's Arcade, ICICI Bank,
Ramachandrapuram Road, Mumbai Highway,
Hyderabad, Telangana 502032
7842670309, 9182275802
contact@techtrunk.in
GSTIN:36AAFCT5782L1ZP
PAN NO.: AAFCT5782L

# INVOICE

INVOICE NO.: TTV/124
DATE:04/04/2019

**Invoice to-**
Customer Name: Rajeev Institute of Technology
TEL/+91 7892333816
Address: Plot 1-D, Growth Center, Industrial Area, B-M Bypass Road, Hassan, Karnataka 573201

| Sl. No | Description | Amount |
|---|---|---|
| 1 | 3 Days Workshop on IC Engine (132XINR 450) | INR 59,400/- |
| | IC Engine and Mechanic Charges (Detection) | (-) INR 5000/- |
| | Sub Total | INR 54,400/- |
| | GST (18% ) Amount | INR 9792/- |
| | Total | INR 64.192/- |

Payable Amount – INR 64,192/- (Sixty four thousand, One hundred and ninety two only)

Please Complete the Payment on given account-

Account Holder Name: TECHTRUNK VENTURES PVT LTD
Account Number: 279505000162
IFSC Code: ICIC0002795
Bank & Branch Name: ICICI Bank, RC Puram
AC Type: Current

TechTrunk Ventures Pvt. Ltd. Office R.C.Puram, Hyd-32

Thank You for your business

# RESUME cum PROFILE


## ASHISH JHA

erashishjha@gmail.com
7995814987


### *Accomplished Projects:*

- Hand Operated washing machine as a minor Project.
- Solar Refrigeration system.
- Bluetooth Controlled Jack and Crane system
- Gone through the project of Automatic Transmission System in Cars
- Bridge design with the help of rope suspension and Tall building model design by using E-tabs, 3d Max and physical implementation with clay.

### *Experience:*

- Two Year experience as a Research Engineer with Times Glob (Com) Pvt. Ltd. New Delhi.
- One and Half Year experience as a Maintenance Engineer and Certified Maintenance Engineer with T&T Motors-Mercedes Benz , New Delhi(India)
- 2.5 year was working as a system engineer with Mahavir Motors Mercedes-Benz Vijayawada Andhra Pradesh (India).
- Since 6 years working with General Insurance companies like TATA AIG(2.6yrs), GoDigit(1.7 Yrs), Future Generali(1.7 yrs.) and Reliance General (currently working)
- Given 132 workshops for Automobile Engineering IC engine & Design in various college of India.
- Given 55 workshops in various colleges pan India based on software tools of civil engineering.
- Coordinator & mentor for team from Bhartiye Institute of Technology Sikar, Rajasthan India, participating in FSAE Italy-2016 F1 student championship.

### *Core Functional Strength*

- Various New Technologies in Automobile Sector.
- Advancement in Robotics for Mechanical engineers.
- Innovations in Robotics Technologies with own ideas.
- Automotive component drawing in AutoCAD & CATIA
- Regular presenter and Trainer
- Team Co-ordinator
- Good leading Capabilities
- Fabulous Creative Ideas
- Software tools of Mechanical and Civil engineering workshops.

## *Achievements*

- Certificate in Robotics by a firm YOGIKI of IIT-Madras
- **Got 2 Training Certificates** in Advance Mechatronics from **Patel Auto Services Pvt. Ltd (Mercedes Benz)**
- **Got 29 Appreciation Letters** from Various colleges of India for giving workshops in various Module.
- **Actively given Training Lecture on "Formula 1 Racing Car" in the Fest "Consciences" By JNTU** Hyderabad.
- **Honored by Bhartiye Got Institute of Technology Sikar, Rajasthan for coordinating as a mentor FSAE Italy team from India.**

## *Education*

- **B.E. in MECHANICAL ENGINEERING** from **Shri Rawatpura Sarkar Institute of Technology and Science -2014 , M.P. India**

- **Advanced Diploma in Automotive Mechatronics (ADAM) 2015-2016** Sponsored **by MERCEDES BENZ**

- MBA in Operations Management from Symbiosis Institute of Management and Technology Pune Maharastra.

## *Professional Certification*

- **AutoCAD**
- **CATIA**
- **Staad Pro.**
- **E-Tabs**
- **Solid works**

## Software Exposure

- **AutoCAD**
- **CATIA**
- **Solid Works**
- **Pro-E**
- **ANSYS**
- **Creo**
- **3D-Max**
- **E-Tabs**

## Hobbies

- **Singing**
- **Reading New Novels and Technical Books**
- **Exploring new places & Meeting new people**
- **Blogging on Social websites for social, technical, political etc. issues.**



Ashish Jha

Place- Delhi (India)

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)

# REPORT ON

## ENGINE OVERHAULING

### CONDUCTED FOR 6TH SEM STUDENTS OF MECHANICAL ENGINEERING DURING AY 2018-19

***Attendees:*** 6th-semester students

1. **Title: Engine Overhauling for 6th Sem Mechanical Engineering Students**

2. **Objective:** The objective of the Engine Overhauling training was to equip 6th Sem Mechanical Engineering students with the knowledge and skills on
   - Transmission system
   - Braking Unit
   - Fuel Supply System
   - IC Engine
   - Assembling disassembling the Engine

3. **About the Activity:** The Engine Overhauling training was conducted by a experienced trainers from Tech Trunk Ventures Pvt Ltd. The training covered various topics, including basic and advanced features . The training was conducted over a period of 4 days, and students were given practical assignments to reinforce their learning.

4. **Outcomes of Engine Overhauling Learning:** The Engine Overhauling training had several positive outcomes for the 6th Sem Mechanical Engineering students. Some of the key outcomes are:
   - Selecting the bore to stroke ratio for different purposes engine i.e for cruise, street and racing.
   - Advanced fuel injection system for diesel and petrol engine.
   - Informations on chassis, suspension and power transmission system.
   - Dismantling and assembling the whole parts of the engine.

**How it Helps Students:** The Engine Overhauling training provided several benefits to 6th Sem Mechanical Engineering students. It helped them develop their technical skills and knowledge, which are essential for a career in the mechanical engineering field. It also gave them hands-on experience, which can be a valuable asset in their future careers. Finally, the training program helped students build their confidence and provided them with a solid foundation for further learning and growth





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)

# Workshop on "Geometric Dimensioning & Tolerancing"

Department of Mechanical Engineering, organized workshop on Geometric Dimensioning & Tolerancing from Maxpertise Technology Labs Private, Bangaluru for 8th semester students at our campus on 18/03/19 & 19/03/19.

Principal : 08172-243180, Registrar : 08172-243181
E-mail : principal@rithassan.ac.in, web : www.rithassan.ac.in

To,
The Principal
RIT, Hassan

Date: 25.03.2019

Sir,

Subject: Requisition for Sanction the Amount towards Department conducted the Two Days workshop on Geometric Dimensioning & Tolerancing from Maxpertise Technology Labs Private Limited, Bangaluru at our campus on **18.03.2019 & 19.03.2019**-reg.

With respect to the above subject, The Department of Mechanical Engineering conducted the **Two Days WORK SHOP On** Geometric Dimensioning & Tolerancing from Maxpertise Technology Labs Private Limited, Bangaluru **for 8th semester students** at our campus on **18.03.2019 & 19.03.2019.** So please sanction the amount mentioned above form name. I hope you will do the needful and oblige.

**Workshop Bill** Rs. **500 x 86 = 43, 000.00**

**Forty Three Thousand Only**

Thanking you,

Yours faithfully

Dr. Dhananjaya D A
Vice Principal, Professor & Head
Department Of Mechanical Engineering,
Rajeev Institute of Technology
Hassan – 573 201

**Payment Details:**

| | |
|---|---|
| Name | : Maxpertise Technology Labs Private Limited |
| Bank | : HDFC BANK, M. G. Road, Bangaluru |
| A/C Number | : 50200023946280 |
| Mode of payment | : NEFT/RTGS/Cheque |
| IFSC | : HDFC0000076 |
| PAN No. | : AAKCM8770A |

**Invoice Enclosed**

TAX INVOICE

*Sec.23 of Rule 1(1)*

| | | | |
|---|---|---|---|
| **MAXPERTISE TECHNOLOGY LABS PRIVATE LIMITED**<br>19/83, 2ND MAIN ROAD, TC PALYA MAIN ROAD,<br>MV LAYOUT, ANANDAPURA<br>BENGALURU 560036 | | Invoice No.<br>**MTL/007/18-19** | Dated<br>**23-Mar-2019** |
| | | Buyer's Order No. | Dated |
| GSTIN: 29AAKCM8770A1Z7<br>CIN: U72900KA2017PTC101025<br>PAN: AAKCM8770A<br>Contact: +91 9900288003<br>Land Line:<br>E-Mail: [redacted] | | | Mode/Terms of Payment<br>*NEFT* |

**Buyer: RAJEEV INSTITUTE OF TECHNOLOGY**
PLOT 1-D, GROWTH CENTER,
INDUSTRIAL AREA, B-M BYPASS ROAD,
HASSAN PIN 573201
State: KARNATAKA
CIN:
PAN/IT No :
GSTIN:
Karnataka, Code : 29
Place of Supply : KARNATAKA

| Sl No. | Particulars<br>Description of Services | HSN/SAC | GST Rate | Amount |
|---|---|---|---|---|
| *01.* | ***2-DAY TRAINING ON "GEOMETRIC DIMENSIONING & TOLERANCING"*** | **998313** | **18 %** | **36440.00** |
| | | | | **36440.00** |
| | | | **CGST** | **3280.00** |
| | | | **SGST** | **3280.00** |
| | | | **IGST** | **0.00** |
| | | | Total | **₹ 43000.00** |

*E. & O.E*

Amount Chargeable (in words)
**INR Forty Three Thousand Only**

| HSN/SAC | Taxable Value | Central Tax | | State Tax | | Interstate Tax | |
|---|---|---|---|---|---|---|---|
| | | Rate | Amount | Rate | Amount | Rate | Amount |
| 998313 | 36440 | **9 %** | 3280 | **9 %** | 3280 | **18 %** | 0 |
| **Total** | **36440** | | **3280** | | **3280** | | |

Tax Amount (in words) :
INR Three Thousand, Two Hundred and Eighty Only

Company's Bank Details

| | |
|---|---|
| Bank Name : | HDFC Bank |
| Account No. : | 50200023946280 |
| Branch & IFS Code : | M G Road, Bengaluru HDFC0000076 |

Declaration

we declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Customer's Seal and Signature

for Maxpertise Technology Labs Pvt. Ltd.

Authorised Signatory

Maxpertise Technology Labs Pvt. Ltd. Bangalore SUBJECT TO BENGALURU JURISDICTION

To,
The Principal
RIT, Hassan

Date: 25.03.2019

Sir,

Subject: Requisition for Sanction the Amount towards Department conducted the Two Days workshop on Geometric Dimensioning & Tolerancing from Maxpertise Technology Labs Private Limited, Bangaluru at our campus on **18.03.2019 & 19.03.2019**-reg.

With respect to the above subject, The Department of Mechanical Engineering conducted the **Two Days WORK SHOP On** Geometric Dimensioning & Tolerancing from Maxpertise Technology Labs Private Limited, Bangaluru **for 8th semester students** at our campus on **18.03.2019 & 19.03.2019.** So please sanction the amount mentioned above form name. I hope you will do the needful and oblige.

**Workshop Bill** Rs. **500 x 86 = 43, 000.00**

**Forty Three Thousand Only**

# Trainer Profile



**Prasannakumar Shankar**

**MD & CEO**
**@ Maxpertise Technology Labs**

**B.E., M.Tech., EMBA,**
**MS (State University of New York)**

*Certified "Brain Based Coach" from NeuroLeadership Institute*

*Certified "Trainer" from Dudley College of Technology, UK*

- **Work Experience: ~20 Years**
  - Associate Director @ Alten India Private Limited from Sep'13 To Jan'17
  - Senior Project Manager @ Infotech Enterprises Limited from May'13 To Aug'13
  - Program Manager @ Taal Technologies from May'12 To Mar'13
  - Associate Consultant @ Tata Consultancy Services Limited from May'03 To May'12
  - Senior Executive-CAD @ Harita Infoserve Limited from May'01 To Apr'03
  - Engineer @ Kirloskar Electric Company Limited from Jan'00 To May'01
- **Educational Qualification**
  - MS in Management of IT Services from State University of New York at Buffalo
  - EMBA in General Management from Amrita Vishwa Vidyapeetham
  - M. Tech. in Tool Engineering from Visvesvaraya Technological University
  - B.E. in Mechanical from Bangalore University
- A result oriented professional with ~20 years of experience, providing engineering services to OEM's & tier suppliers in **aerospace**, **automotive**, construction & mining domains.
- **1.5 years of International work experience**
  - USA (Club Car Inc.) | Japan (Nissan Motors Ltd.) | S. Korea (Korean Air) | Europe (Airbus Tier-1's; Business trip to meet aerospace customers in Germany, France & Austria)

# 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)

**Session-1**

| Time | Topic |
|---|---|
| 09:00 ~ 11:00 | • Dimensioning and Tolerancing<br>• Symbols and Terms |
| 11:00 ~ 11:15 | Tea Break |
| 11:15 ~ 13:00 | • Datums<br>• Material Condition and Material Boundary |
| 13:00 ~ 14:00 | Lunch Break |

**Session-2**

| Time | Topic |
|---|---|
| 14:00 ~ 15:30 | • Form Tolerances<br>  • Straightness<br>  • Flatness |
| 15:30 ~ 15:45 | Tea Break |
| 15:45 ~ 17:00 | • Form Tolerances<br>  • Circularity<br>  • Cylindricity |

**Session-3**

| Time | Topic |
|---|---|

**Session-4**

| Time | Topic |
|---|---|

**REPORT ON**

Geometric Dimensioning & Tolerancing

**CONDUCTED FOR 8TH SEM STUDENTS OF MECHANICAL ENGINEERING DURING AY 2018-19**

***Attendees:*** 8th-semester students

1. **Title: Geometric Dimensioning & Tolerancing Training for 7th Sem Mechanical Engineering Students**

2. **Objective:** The objective of the Geometric Dimensioning and Tolerancing training was to equip 8th Sem Mechanical Engineering students with the knowledge and skills on Geometric Dimensioning & Tolerancing (GD&T) as per ASME Y14.5 – 1994
   - Dimensioning and Tolerancing
   - Symbols and Terms
   - Datums
   - Material Condition and Material Boundary
   - Form Tolerances
   - Orientation Tolerances
   - Location Tolerances
   - Profile Tolerances
   - Runout Tolerances.

3. **About the Activity:** The Geometric Dimensioning and Tolerancing training was conducted by a experienced trainers from Maxpertise Technology Labs . The training covered various topics, including basic and advanced features . The training was conducted over a period of 2 days, and students were given practical assignments to reinforce their learning.

4. **Outcomes of Learning:** The Geometric Dimensioning and Tolerancing training had several positive outcomes for the 8th Sem Mechanical Engineering students. Some of the key outcomes are:
   Understanding the fundamental concepts of GD&T as per ASME Y14.5 – 1994
   Applying GD&T as per ASME Y14.5 – 1994 on engineering / manufacturing drawings.

5. **How it Helps Students:** The Geometric Dimensioning and Tolerancing training provided several benefits to 8th Sem Mechanical Engineering students. It helped them develop their technical skills and knowledge, which are essential for a career in the mechanical engineering field. It also gave them hands-on experience with a widely used software tool, which can be a valuable asset in their future careers. Finally, the training program helped students build their confidence and provided them with a solid foundation for further learning and growth



# RAJEEV INSTITUTE OF TECHNOLOGY

## DEPARTMENT OF MECHANICAL ENGINEERING

### List of Students Issued GD&T Workshop Certificate March / 2018-19

| Sl. No. | USN | Name | Signature of Students |
|---|---|---|---|
| 1 | 4RA14ME015 | ATHAUR RAHMAN S | |
| 2 | 4RA15ME003 | ABHILASH D C | |
| 3 | 4RA15ME011 | AKSHAY KUMAR T A | |
| 4 | 4RA15ME015 | AMIT KHATAVAKAR | |
| 5 | 4RA15ME018 | ARBAZ AHMED | |
| 6 | 4RA15ME019 | ARUN C V | |
| 7 | 4RA15ME020 | ARUNKUMAR | |
| 8 | 4RA15ME023 | BHARATH K S | |
| 9 | 4RA15ME024 | BHARATH K S | |
| 10 | 4RA15ME030 | DEEPAK B P | |
| 11 | 4RA15ME031 | FARZAN KHAN | |
| 12 | 4RA15ME032 | GAGAN S | |
| 13 | 4RA15ME034 | HARSHITH B | |
| 14 | 4RA15ME036 | JANAK KARKERA J | |
| 15 | 4RA15ME039 | KIRAN S V | |
| 16 | 4RA15ME045 | MADHU M J | |
| 17 | 4RA15ME046 | MADHU M T | |
| 18 | 4RA15ME047 | MALLIKARJUNA H S | |
| 19 | 4RA15ME049 | MANOJ M | |
| 20 | 4RA15ME053 | MOHAMMED JAWAD | |
| 21 | 4RA15ME056 | NANDEESHKUMAR T S | |
| 22 | 4RA15ME057 | NAVEEN B N | |
| 23 | 4RA16ME400 | ABHILASH H M | |
| 24 | 4RA16ME401 | ABHISHEK Y M | |
| 25 | 4RA16ME402 | AFTAB AHMED | |
| 26 | 4RA16ME403 | ANJAN KUMAR R | |
| 27 | 4RA16ME404 | APOORVA G | |
| 28 | 4RA16ME407 | CHETHAN B E | |
| 29 | 4RA16ME408 | CHETHAN H R | |
| 30 | 4RA16ME410 | CHETHAN T S | |
| 31 | 4RA16ME411 | KALEENDRA D S | |
| 32 | 4RA16ME412 | KALYAN KUMAR | |
| 33 | 4RA16ME413 | KAVYA H R | |
| 34 | 4RA16ME414 | KISHAN D V | |
| 35 | 4RA16ME416 | LEKHANA H K | |
| 36 | 4RA16ME418 | MITHANAGOWDA B | |
| 37 | 4RA16ME419 | MITHUN D V | |
| 38 | 4RA16ME420 | MOHAMMED FAZIL | |
| 39 | 4RA16ME422 | MUDDASSIR AHMED SHARIEF | |
| 40 | 4RA16ME423 | NAGARAJU T V | |
| 41 | 4RA16ME424 | NAVEEN KUMAR K L | |
| 42 | 4RA16ME425 | PAVAN D P | |
| 43 | 4RA16ME426 | POOJA R | |
| 44 | 4RA16ME427 | PUNEETH S D | |

| | | | |
|---|---|---|---|
| 45 | 4RA16ME430 | RAJESH GOWDA C | |
| 46 | 4RA14ME033 | HARSHA K S | |
| 47 | 4RA14ME061 | NAVEENA M K | |
| 48 | 4RA15ME059 | NAYANA H P | |
| 49 | 4RA15ME065 | NIVITH N H | |
| 50 | 4RA15ME063 | PAVAN C S | |
| 51 | 4RA15ME064 | PRAMOD C R | |
| 52 | 4RA15ME067 | PRATHAP Y S | |
| 53 | 4RA15ME068 | PRIYANKA S H | |
| 54 | 4RA15ME072 | RAHUL SUBRAMANYAN | |
| 55 | 4RA15ME075 | ROHINI D R | |
| 56 | 4RA15ME076 | ROUSHAN | |
| 57 | 4RA15ME078 | SAGAR M S | |
| 58 | 4RA15ME079 | SAGAR S N | |
| 59 | 4RA15ME080 | SAHANA S P | |
| 60 | 4RA15ME081 | SANJAY SANDEEP | |
| 61 | 4RA15ME083 | SHAMANTH R | |
| 62 | 4RA15ME084 | SHARATHKUMARA D S | |
| 63 | 4RA15ME087 | SHAREY R | |
| 64 | 4RA15ME088 | SHASHANK CHAND JAIN K B | |
| 65 | 4RA15ME089 | SHIVSHANKAR S R | |
| 66 | 4RA15ME092 | SOWMYA H T | |
| 67 | 4RA15ME094 | SUJEETH P | |
| 68 | 4RA15ME095 | SUKUMAR R | |
| 69 | 4RA15ME096 | SUMANTH T | |
| 70 | 4RA15ME097 | SUNEETH KUMAR A V | |
| 71 | 4RA15ME098 | SURAJ M P | |
| 72 | 4RA15ME099 | VASANTH | |
| 73 | 4RA15ME100 | VIKRAM | |
| 74 | 4RA15ME101 | VINAY KUMAR V R | |
| 75 | 4RA15ME102 | YASHAS | |
| 76 | 4RA15ME103 | YOGESH A | |
| 77 | 4RA15ME104 | YOGESHWARA K J | |
| 78 | 4RA15ME105 | ZAKI HUSSAIN | |
| 79 | 4RA15ME106 | ZEESHAN JAYENDRA K C | |
| 80 | 4RA15ME107 | ZUBAIR SHARIEF G R | |
| 81 | 4RA15ME108 | ZUBAIR S | |
| 82 | 4RA15ME109 | ZUBAIR S HUSSAIN | |
| 83 | 4RA15ME110 | ZUBAIR HUSSAIN B S | |
| 84 | 4RA15ME111 | VASUDEVA RAJA C | |
| 85 | 4RA16ME401 | VINAY A J | |
| 86 | 4RA16ME402 | RAGHAVENDRA P I | |

| | |
|---|---|
| Was the session helpful to understand the basic concepts? | YES/NO |
| From the hands-on sessions are you able to understand the interfacing details? | ✓ YES/NO |
| Have you got any Innovative/Project ideas from the presenters? | ✓ YES/NO |
| Do you feel that this workshop is helpful for making hobby/final year Project? | ✓ YES/NO |
| Does the title of workshop matches with the contents taught | ✓ YES/NO |
| Rate the overall content taught in workshop | ✓ Average/ Good / Excellent |
| Any other comments/suggestion? | |

| | |
|---|---|
| Was the theoretical and practical sessions sufficient to understand the working concepts. | YES/NO |
| Was the session helpful to understand the basic concepts? | YES/NO |
| From the hands-on sessions are you able to understand the interfacing details? | YES/NO |
| Have you got any Innovative/Project ideas from the presenters? | YES/NO |
| Do you feel that this workshop is helpful for making hobby/final year Project? | YES/NO |
| Does the title of workshop matches with the contents taught | YES/NO |
| Rate the overall content taught in workshop | Average/ Good / Excellent |
| Any other comments/suggestion? | |

# Rajeev Institute of Technology

**Plot # 1-D (P-1), Growth Center, Industrial Area,**
**Bangalore-Mangalore Bypass Road, Hassan-573201.**

***Chief Patrons***

***Dr. V Rajeev,*** *President,*
***Dr. B N Rathna,*** *Secretary,*
*Rajeev Education Trust,*
*Hassan*

***Patron***

***Dr. A N Ramakrishna***
*Principal*

***Chairperson***

***Dr. Dhananjaya D A***
*Vice- Principal & HOD,*
*Mechanical Dept*

***Chief Co-ordinator***

***Dr. Aravind B N***
*HOD, E&CE*

***Event Co-ordinator***

***Mrs. Ambika K***
*Asst. Professor, E&CE*

***Greetings from Department of Electronics and Communication Engineering***

Dear Sir/Madam,

We are delighted to inform you that the technical club of Department of Electronics and Communication Engineering "***ELECTRORIT***" is organizing a two day workshop on "***Circuit Simulation and PCB Layout Design using ORCAD"*** in association with ***Entuple Technologies*** on 11th and 12th February 2019. This workshop is intended to provide an insight in the field of circuit simulation and PCB layout generation for the second year students of E&CE.

We cordially invite the HOD's and Faculty members of Rajeev Institute of Technology to join the inaugural function that will be held on 11th February at Seminar Hall, 4th Floor at 9.30am.

**With Warm Regards,**

**HOD & Faculty Members, Dept. of E&CE**

# Report on Two day Workshop on *"Circuit Simulation and PCB Layout Design Using ORCAD"*

## Organized by the Department of Electronics and Communication Engineering, Rajeev Institute of Technology, Hassan on 11th and 12th February 2019

Two day workshop on *"Circuit Simulation and PCB Layout Design using ORCAD"* was organized by the Department of Electronics and Communication Engineering, Rajeev Institute of Technology, Hassan on 11th and 12th of February 2019 for 4th semester students. 69 students were actively participated in the workshop.

The workshop was organized under the objective of "learn beyond the syllabus". Here, a software based simulation using ORCAD was introduced. It involved both analog and digital circuit simulations. It was also extended upto the generation of PCB layout and its verification. The workshop topics aimed towards the easiness and self-understanding of circuits.

The workshop was conducted in technical association with Entuple Technologies India Ltd,. **Mr. Kamlesh Kumar**, Application Engineer, Entuple technologies, Bangalore, was the resource person.

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 importanee of learning new technologies beyond syllabus. He also highlighted the importance of this workshop and encouraged to conduct similar workshop in future too.

**Dr. Dananjaya D A**, Vice Principal and HOD, Department of Mechanical Engineering, highlighted the prominence of conducting workshops and inspired students to learn technologies from such workshops. He also highlighted scope of the ORCAD the vast for laboratory and project designs.

**Dr. Aravind B N,** Professor and HOD, Department of electronics and Communication Engineering, welcomed the dignitaries, guests, faculties and participants. **Mrs. Ambika K,** Assistant Professor, Department of Electronics and communication Engineering presented the Vote of thanks.

# Two day Workshop on
# *"Circuit Simulation and PCB Layout Design Using ORCAD"*

## Overview

Working with analog and digital circuits in the laboratory as well as in professional level is a part and parcel of an electronics engineer. It is important to learn the way circuits are drawn, tested and finally the related PCB layouts are made. This is helpful in self-learning and also in the mini/major-project project designs at UG/PG level.

**Course Objective:**

- To introduce the design flow of a circuit.
- To draw and simulate basic circuits using ORCAD
- To provide participants with the knowledge to simulate and generate their own PCB layouts.

**Learning Outcome:**

- Usage of software for circuit representation.
- Using one environment to simulate and verify analog and digital circuits
- Confidence to make simulation of any circuits and generate the related PCB layouts.

| Time | Topic | Comments |
|---|---|---|
| **Day 1 (11-02-2019)** | | |
| **Morning session** | | |
| **9:30am-10:30am** | **Inaguration** | |
| **10:30am-10:45am** | ***Tea break*** | |
| **10:45am-1:00pm** | Introduction to Design flow | Overview of ORCAD and hands-on session |
| | Introduction to ORCAD software & its capabilities | |
| | Design and simulation of rectifiers | |
| **1:30pm-2:15pm** | ***Lunch break*** | |
| | **Afternoon Session** | |
| **2:15pm-3:30pm** | Clippers, Clampers | Practical sessions |
| | RF Amplifiers | |
| **3:30pm-3:45pm** | ***Tea Break*** | |
| **3:45pm-5:00pm** | Astable Multivibrator | |
| | Monostable Multivibrator | |
| **Day 2 (12-02-2019)** | | |
| **Morning session** | | |

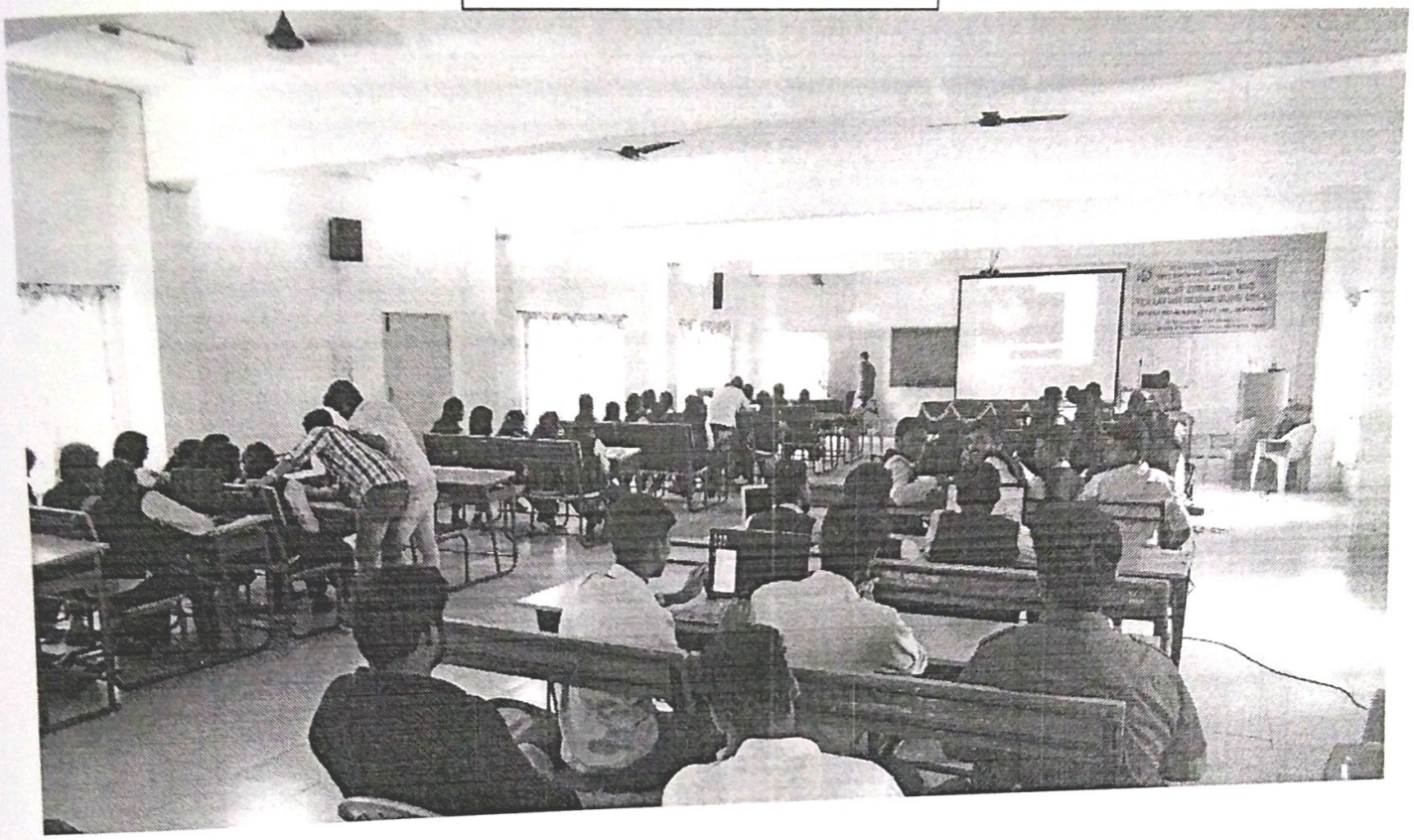
| | | |
|---|---|---|
| **9:30am-11:15am** | Digital Design: Basic gates | *Practical sessions* |
| | Half/full adder | |
| **11:15am-11:30am** | ***Tea break*** | |
| **11:30am-1pm** | Half/Full subtractor | *Practical sessions* |
| | Counter design | |
| **1pm-2:15pm** | ***Lunch break*** | |
| **Afternoon session** | | |
| **2:15pm-4pm** | PCB Layout design for Half/full adder, Half/full subtractor | *Practical sessions* |
| **4pm-4:30pm** | **Valedictory & High-Tea** | |

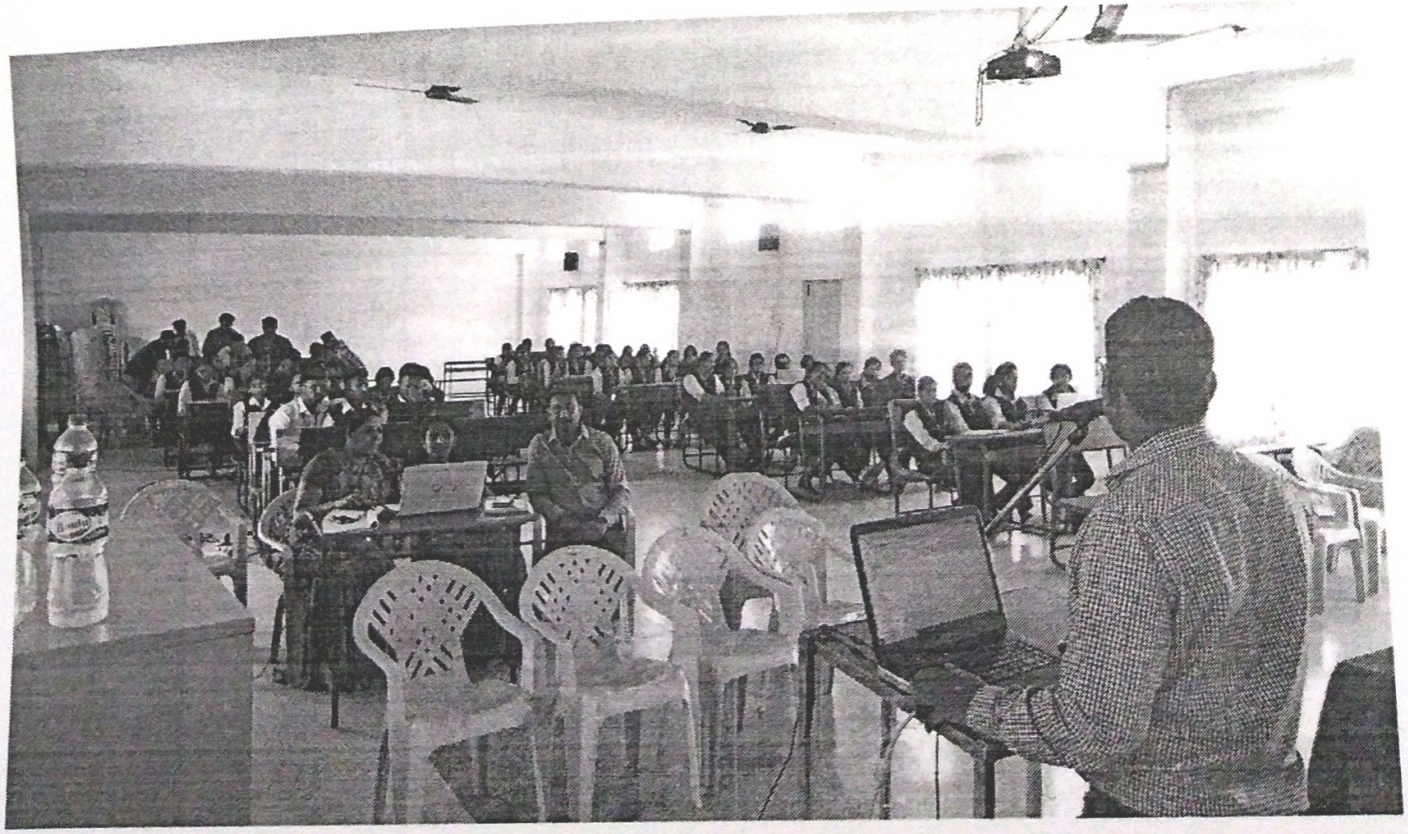
We thank the resource person **Mr. Kamlesh Kumar**, Application Engineer, Entuple Technologies India Ltd, Bangalore for providing a hands-on knowledge on analog, digital circuit simulation and also PCB layout generation.

**Inauguration**



# Hands-on sessions





Department of Electronics and Communication Engineering, RIT, Hassan

# Group photo during valedictory



# Report of Technical Talk on "Scope Of Embedded Systems And IOT In Framing Career In Core Companies" Organized by the Department of Electronics and Communication Engineering, Rajeev Institute of Technology, Hassan on 5th April 2019

The Department of Electronics and Communication has organized a technical talk on *"Scope of Embedded Systems and IOT in framing career in core companies"* for 6th semester students. Around 65 students were present during the talk.

The main objective of this technical talk is to know about the advancements in embedded systems at the company level and realizing the students about the company working environment and getting ready to the company interviews.

The Technical talk was presented by **Mr. Mohammad Atha Razvi**, CEO/Founder of Inventron Technologies and Business Solutions, for a duration of about 2:00 hours (11:15am – 1:15pm).

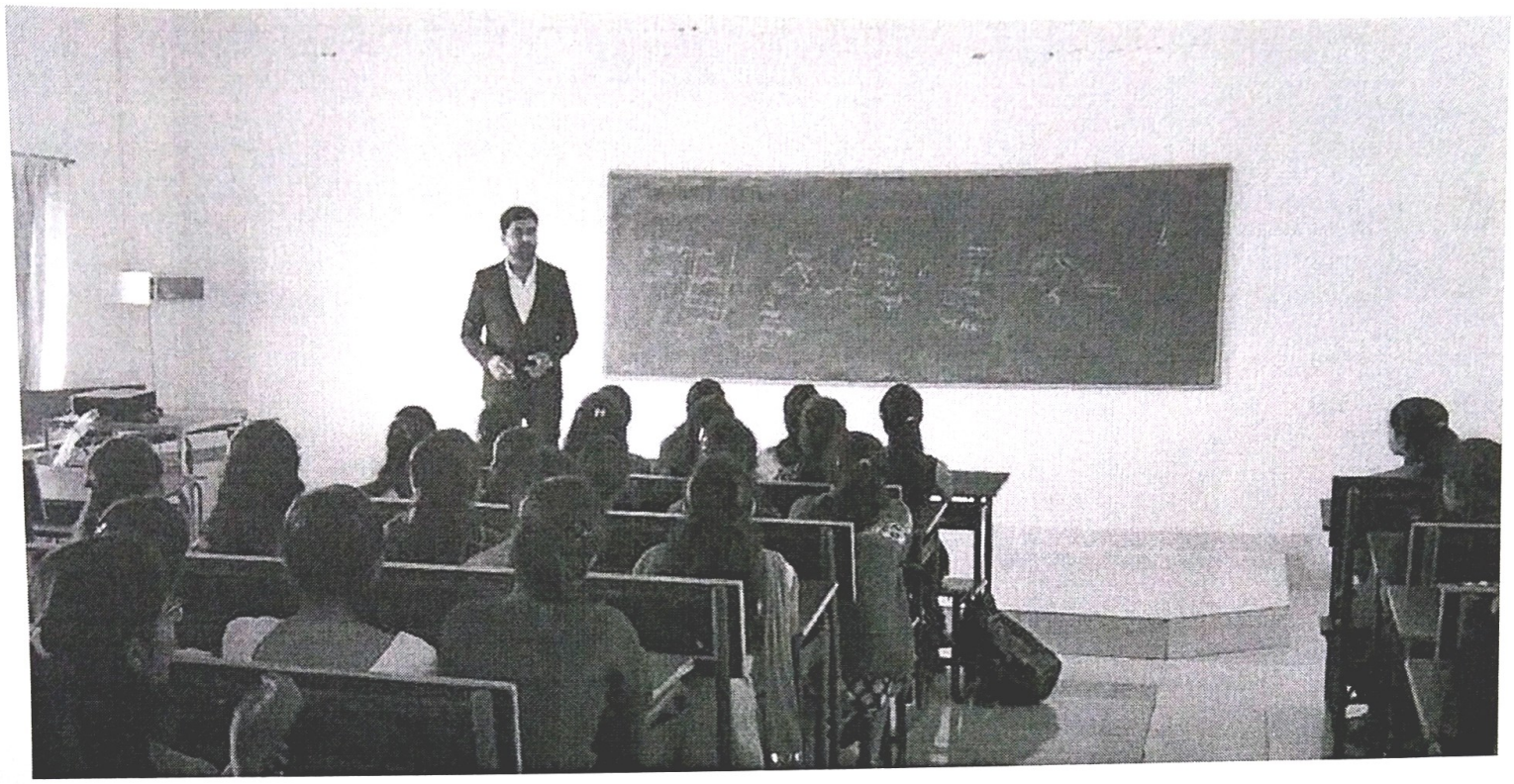
**Objectives of the Talk**

- To provide knowledge about various embedded programming languages
- Facing interviews during campus recruitment.
- Identifying correct job

**Outcome of the Talk**

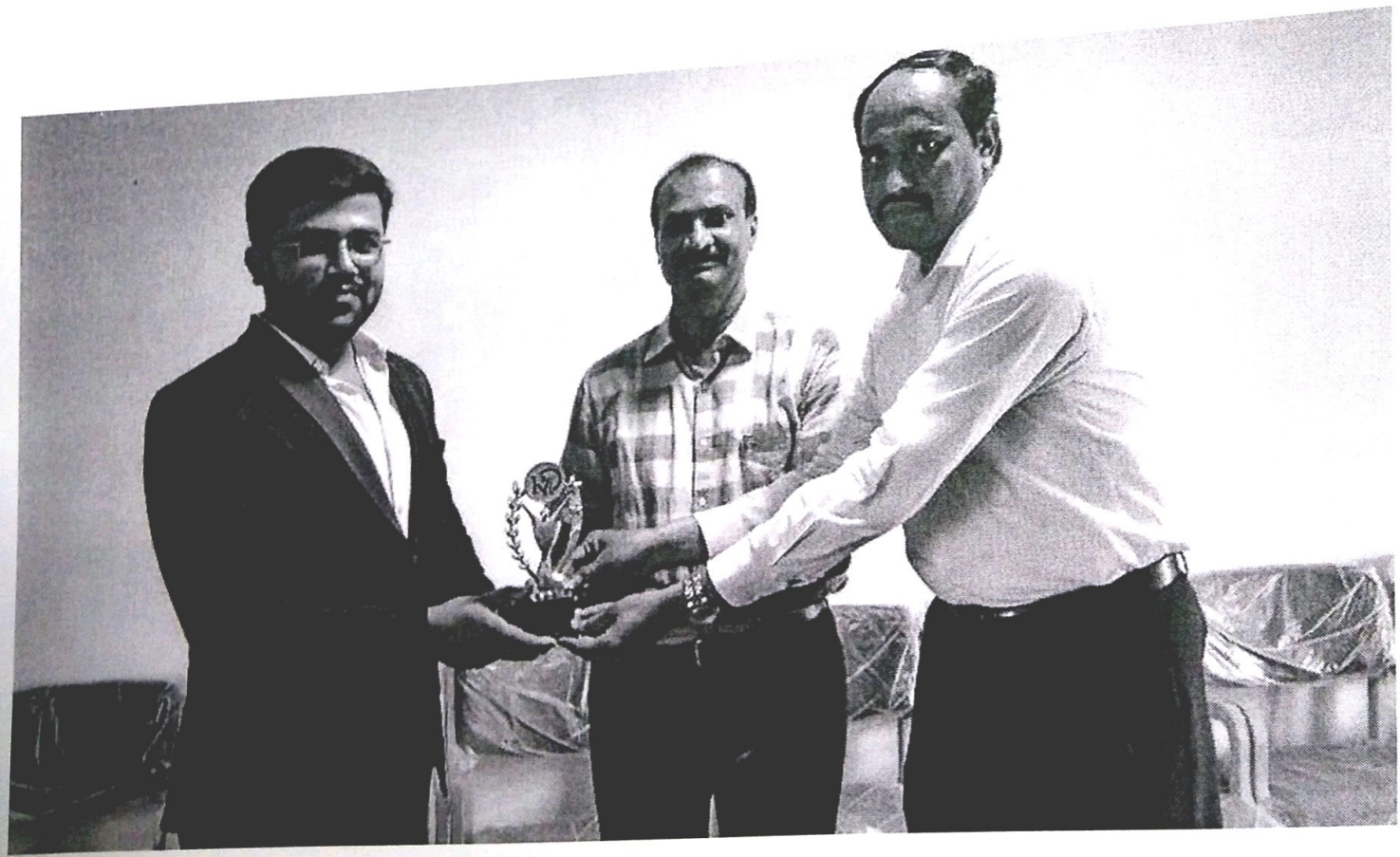
- Students are able to identify various programming which can be used for embedded systems
- Increased the confidence of the students to face interviews and the stage
- Students are capable of identifying the companies and focusing on preparation as per company requirements.

After the completion of the talk, Mr. Mohammad Atha Razvi was honored by a memento as a token of gratitude and appreciation by the Principal Dr. A N Ramakrishna.









# Rajeev Institute of Technology

**Plot # 1-D (P-1), Growth Center, Industrial Area,**
**Bangalore-Mangalore Bypass Road, Hassan-573201.**

***Chief Patrons***

***Dr. V Rajeev,*** *President,*
***Dr. B N Rathna,*** *Secretary,*
*Rajeev Education Trust,*
*Hassan*

***Patron***

***Dr. A N Ramakrishna***
*Principal*

***Chairperson***

***Dr. Dhananjaya D A***
*Vice- Principal &HOD,*
*Mechanical Dept*

***Chief Co-ordinator***

***Dr. Aravind B N***
*HOD, E&CE*

***Event Co-ordinator***

***Mrs. Ambika K***
*Asst. Professor, E&CE*

***Greetings from Department of Electronics and Communication Engineering***

Dear Sir/Madam,

We are delighted to inform you that the technical club of Department of Electronics and Communication Engineering "***ELECTRORIT***" is organizing a two day workshop on "***Arduino and Applications of IOT***" in association with ***Pincore Technologies India Pvt. Ltd.*** on 15th and 16th February 2019. This workshop is intended to provide an insight in the field of IOT applications and implementation using arduino for the third year students of E&CE.

We cordially invite the HOD's and Faculty members of Rajeev Institute of Technology to join the inaugural function that will be held on 15th February at Seminar Hall, 4th Floor at 9.30am.

**With Warm Regards,**
**HOD & Faculty Members, Dept. of E&CE**

# Two day Workshop on
# *"Arduino and Applications of IOT"*

## Overview

Embedded system is part and parcel of every-day life. For beginners, several development boards are available. Arduino is one of them. It can be used for science projects, final year UG projects and to build application modules.

**Course Objective:**

- To introduce the vastness of Embedded systems in real world applications.
- To construct an Arduino basic circuit.
- To program and compile various tasks and applications using Arduino.
- To provide participants with the knowledge to develop and build their own embedded system applications.

**Learning Outcome:**

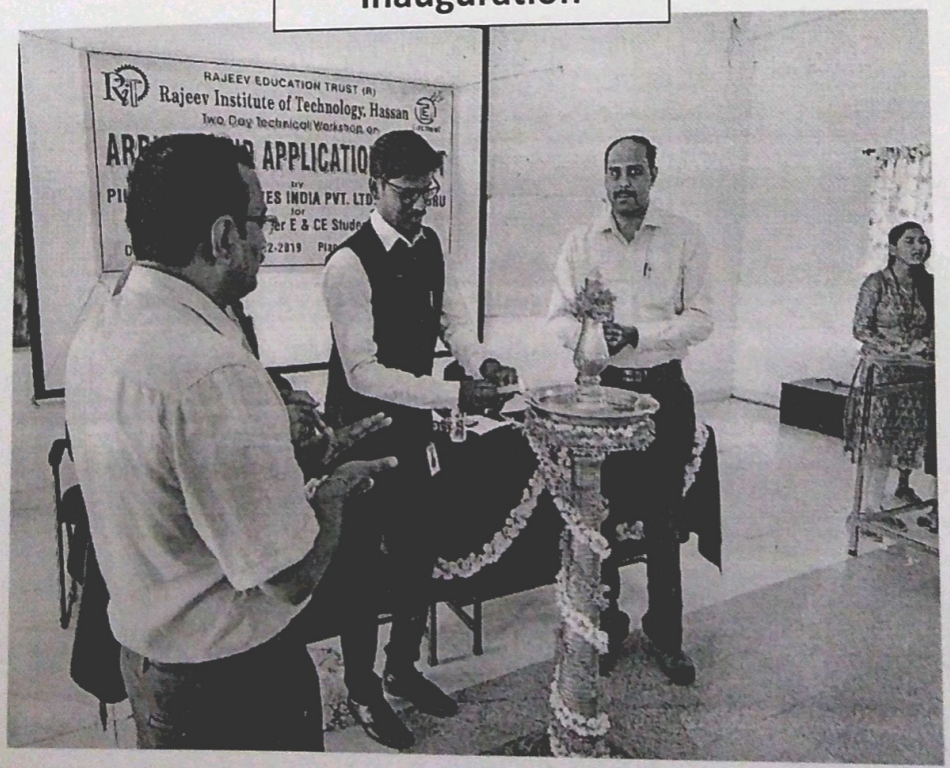
- Obtained good understanding of microcontroller and its applications.
- Using of Integrated development environment for Arduino and debugging.
- Confidently construct and troubleshoot a microcontroller based applications like controlling relays, motor drives, IR sensor, ultrasonic sensor, light intensity control etc.
- Building a cost effective embedded application using various sensors.

| Time | Topic | Comments |
|---|---|---|
| **Day 1 (15-02-2019)** | | |
| **Morning session** | | |
| **9:30am-10:30am** | **Inaguration** | |
| **10:30am-10:45am** | ***Tea break*** | |
| **10:45am-1:00pm** | Introduction to the Embedded Systems | Introduction to the Embedded Systems and Arduino |
| | Introduction to Arduino | |
| | Arduino IDE-Programming | |
| **1:00pm-2:00pm** | ***Lunch break*** | |
| | **Afternoon Session** | |
| **2:00pm-3:30pm** | Blink an LED | Practical sessions |
| | Making alarm with Buzzer | |
| **3:30pm-3:45pm** | ***Tea Break*** | |
| **3:45pm-5:00pm** | Turn on/off LED and Buzzer | Sensor interface |
| | IR sensor | |

| Day 2 (16-02-2019) | | |
|---|---|---|
| **Morning session** | | |
| **9:30am-11:15am** | Brief explanation of Analog and Digital Sensors | Practical sessions |
| | LDR sensor (Using analog pins) | |
| | Potentiometer | |
| **11:15am-11:30am** | ***Tea break*** | |
| **11:30am-1:00pm** | Motor Drivers | Practical sessions & IOT |
| | Introduction to IOT, Cloud | |
| **1:00pm-2:00pm** | ***Lunch break*** | |
| **Afternoon session** | | |
| **2:00pm-3:00pm** | **Demonstrations** | Demonstrations |
| | Measuring room temperature using ESP8266 and Thingspeak | |
| **3:00pm-3:30pm** | **Valedictory & High-Tea** | |

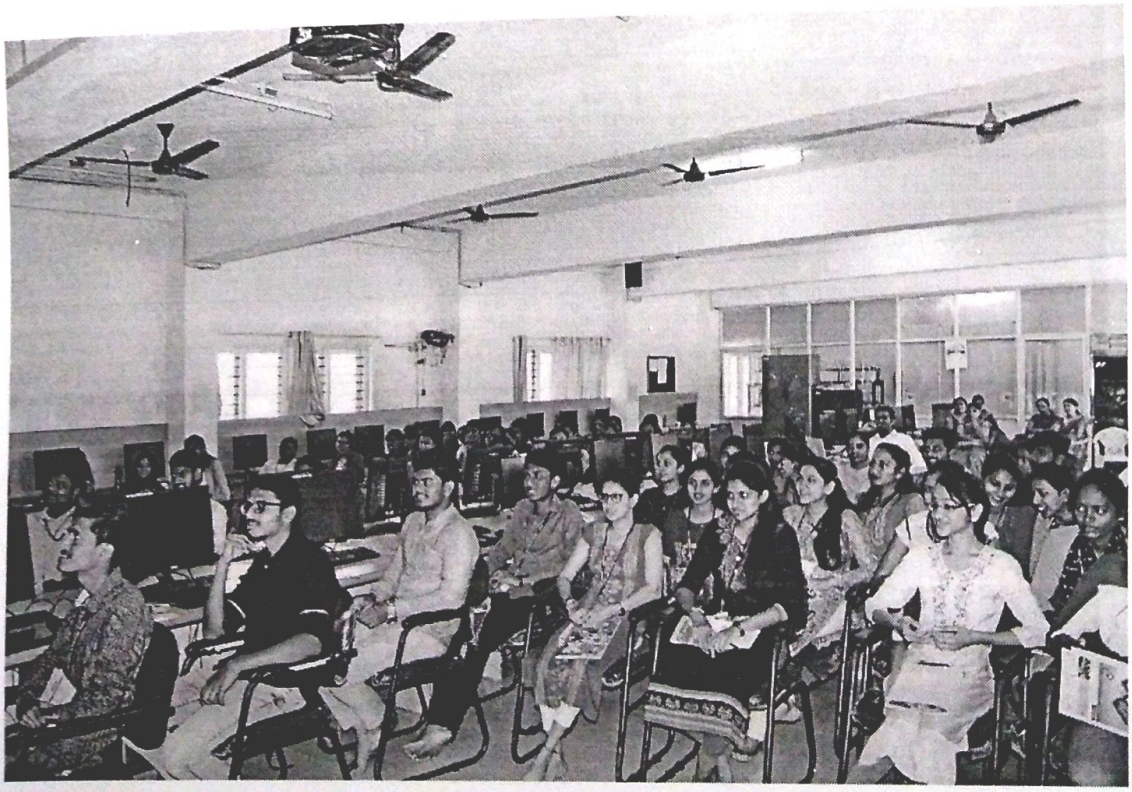
| Resource Persons |
|---|
| **Mr. Chiranth and Team**<br>Pincore Technologies India Pvt. Ltd.<br>#10/1, 1st Main 7th Cross<br>Sanjeevini Nagar<br>Bangalore 72 |

## Inauguration



# Hands-on sessions





## Presenting memento during valedictory



## Group photo during valedictory



# Rajeev Institute of Technology, Hassan

## Department of Management Studies

Workshop on

# MS EXCEL FOR MANAGERS

by

**Mr. Ravi Kumar**
**Excel Sage**

Date: 24-09-2018 to
26-09-2018

**Report**

| | |
|---|---|
| **Activity Name** | A Three day Workshop on Microsoft Excel For Managers |
| **Title** | Workshop on Microsoft Excel For Big Data Analysis for Managers |
| **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. |
| **Date of Activity** | 24.09.2018 to 26.09.2018 |
| **Mode of Conduct** | Offline |
| **Time** | Three Days |
| **Speaker** | Ravi Kumar |
| **Mandatory/Elective** | Mandatory |
| **Participants** | All Faculties and Students |
| **Description** | • Organized Three Days Workshop on Microsoft Excel for Managers.<br>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.<br>Duration:<br><br>This is a Three full-day intensive workshop which includes Two days for content explanation and One day for rigorous practice. All the participants will be given home work after the practice sessions. Six months web-support will be given for them to post any doubts on my website's forum. We can even tailor the course curriculum to match up with the student's requirements and understanding levels.<br><br>**Style of Teaching:**<br><br>Entire workshop session will be run in a problem-solution approach. & take up a Business scenario create a challenge in terms of data analysis and try to solve it using Excel's functionality. Later I make the problem more complex and solve it by a choice of Excel functions or features or formulas.<br><br>**Key Take-aways:**<br><br>This training will enable you to familiarize and expose yourself with the Excel's most powerful functions, features and formulas.<br>"At the end of the session the participants were able to learn :<br>1. Know How to use Excel's features in a productive way, |

| | |
|---|---|
| | 2. Know How to build powerful formulas,<br>3. Make Dynamic charts, Interactive Dashboards and use other visualization features,<br>4. Learn various intricacies of Microsoft Excel environment.assuming they follow my course and practice.<br><br>Following facilities were provided to conduct the workshop.<br>1. Lab/Seminar Hall for 3 days occupancy,<br>2. LCD projector with screen,<br>3. Desktops/Laptops for practice sessions,<br>4. At least MS Excel 2010 or later version installed in the computer systems,<br>5. A Black/White board.<br>6. Share Drives/Google Group to share the practice files. |

# CONTENT DETAILS

**Hi Folks, Are you in the similar situations in your workplace??**

**No problem. We are here to help you.**



Here is the Chart that shows how much time U wasted on a simple report.



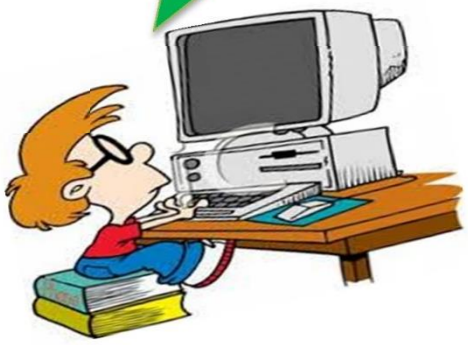
At last, I have created the Chart that was needed three days ago.

Did you MISS any Job opportunity lacking knowledge in Excel??

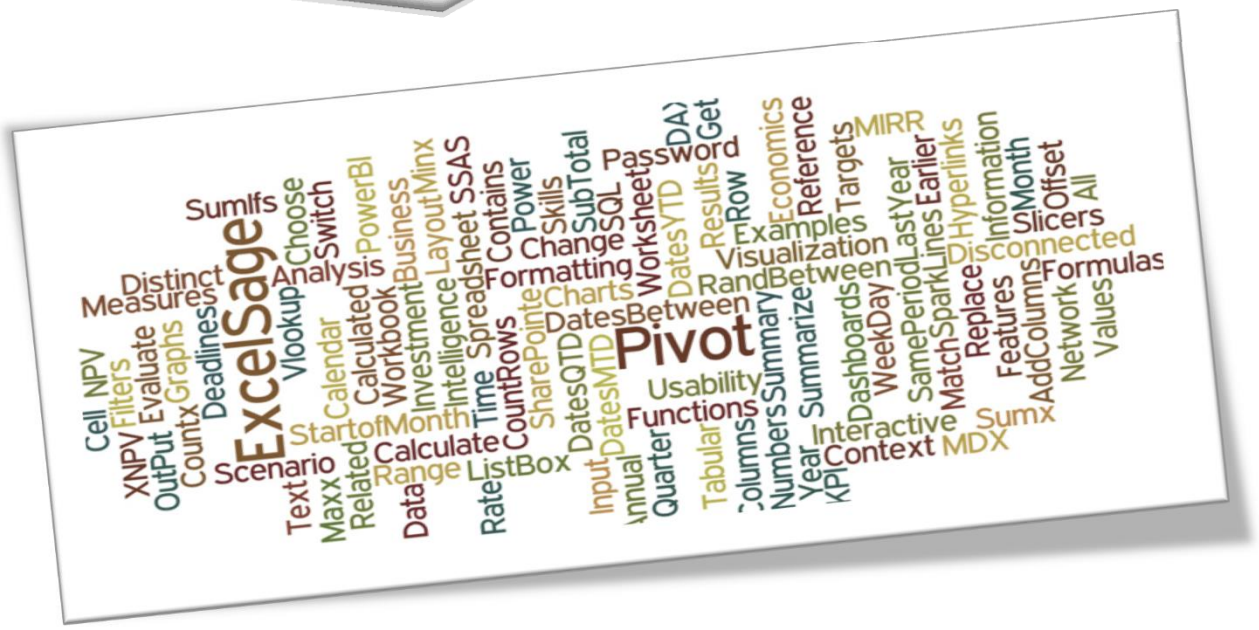
My friend Bill always asks me Excel How-tos that I don't have an idea on!

I need the most stunning Dashboard in the world. right now..?!?





- Do you want to create Interactive Charts in Excel without any Hassles?
- Do you want to build Mega-formulas that save hundreds of hours of time??






# MICROSOFT EXCEL ADVANCED

If you are in any of theabove situations, then this course is for you.

Microsoft Excel for Finance Professionals

## Who should attend?

- Management Graduates
- Data Analysts
- Project Managers
- Executives who work in Sales, Marketing, Finance
- Functional Managers
- Professionals seeking Advanced skills in Excel
- Anybody who manage data in a big or small way

## Course Benefits

- Increase your Productivity
- Create Awesome Charts
- Discover most ignored Excel features
- Build Error-free Reports
- Know How to use most powerful Formulas
- Become competitive in the Job market
- Become more Employable
- Make your work life happier
- Stand out from the crowd And become an Excel Hero

- Increase your Productivity
- Create Awesome Charts
- Discover most ignored Excelfeatures
- Build Error-free Reports
- Know How to use mostpowerful Formulas
- Become competitive in the Job market
- Become more Employable
- Make your work life happier
- Stand out from the crowd And become an Excel Hero

# MICROSOFT EXCEL ADVANCED



by Ravi Kumar, from www.excelsage.org

Ravi Kumar is an Excel enthusiast, trainer, consultant and blogger who runs www.excelsage.org, a website dedicated to Microsoft Excel tips and tricks.

He is a Microsoft Office Specialist-Excel Expert and a Microsoft Certified Professional.

Excel is his passion and he fell in love with it 12 years ago when he worked for a corporate.

He had worked for many corporates and later quit to chase his passion i.e. making people awesome in Excel and make their work life happier.

He trained more than 3000 professionals from various fields in Advanced Excel, Dashboards and Business Intelligence using Microsoft Excel.

He travels coast to coast to teach Microsoft Excel in India.

He had associated with many organizations to diffuse the spreadsheet knowledge among the corporate workforce.

# WHAT YOU LEARN IN THIS WORKSHOP

## Managing Cells &worksheets

- Background of Excel and Back-stage view
- Editing, Deleting columns, rows
- Generating random numbers, text, dates.
- Smart-tags &Auto-fill
- Format cells
- Cell referencing-Relative, Absolute &Mixed
- Copy-Paste-Special-paste
- Auto-Sum, Min, Max, Count.
- Find-Replace-colors-match cases-Entire cell contents
- Go to Special
- Editing worksheets-copy-move-hide

## Analyzing, Organizing Data

- Conditional formatting, finding duplicates
- Data validation, Custom validations
- Sorting, Multiple-column sorting
- Conditional filtering, Advanced filtering
- Working with Tables-Advantages
- Inserting comments, Shapes, Hyperlinks
- Text to column conversion
- Removing duplicates
- Sub-totals
- Pivot tables, Pivot charts, customizing.
- Using Slicers
- Cross comparison between different categories in PivotTable
- Data Drill-down and Drill-up
- Creating interactive Pivot Charts
- Using Time Lines and Spark lines
- Grouping Dates and Times other Text categories

| |
|---|
| |
| Functions, Formulae |
| • Arithmetic Functions: |
| **COUNTA, COUNTBLANKS, MIN, MAX, LARGE, SMALL.** |
| |
| • Database functions: |
| **DCOUNT, DSUM, DMEAN, DMAX, DMIN, DAVERAGE.** |
| |
| • Logical Functions: |
| **IF, AND, OR and combination of the three functions.** |
| |
| • Lookup Functions: |
| **VLOOKUP, HLOOKUP, INDEX, MATCH, INDIRECT, TRANSPOSE** |
| **OFFSET, CHOOSE, HYPERLINK** |
| • Naming Data ranges, |
| • Working with ranges, Dynamic Ranges, |
| • Working with Named Ranges. |
| • Mathematical Functions: |
| |
| **RAND, RANDBETWEEN, ROUND, ROUND UP/DOWN.** |
| • Financial Functions: |
| **PMT, IPMT, PPMT, IRR, NPV, DB, SLN, FVSCHEDULE** |
| |
| • Date &Time Functions: |
| **DAY, MONTH, YEAR, WEEKDAY, WEEKNUM, EDATE, EOMONTH,** |
| **TODAY, NOW, HOUR, MINUTE, SECOND, YEARFRAC, DATEDIF, NETWORKDAYS.** |
| • Saving as workspace |
| • Using different views, Custom views |
| • Viewing multiple windows |
| • Freeze panes, Split windows |
| • Protecting cells, worksheets, workbooks. |
| • Print preview, Page set-up other options |
| • Setting Print area |
| • Printing as Images |

| |
|---|
| Charting |
| |
| • Selecting the Right chart |
| • Formatting charts |
| • Interactive charts |
| • Column Charts |
| • Bar charts |
| • Pie charts |
| • Line charts |
| • Sparkline |
| |
| What-if Analysis |
| • Goal Seek |
| • Data Tables |
| • Scenario Analysis |
| |
| Some useful shortcuts and Best practices |
| Excel's most useful Killer shortcuts, Features, |
| • Excel tips for efficiency, Best practices, |
| • Excel's most ignored shortcuts, features. |

## Key take-aways

Know How to use Excel's features in a productive way,

Know How to build powerful formulas,

Make better charts, Dashboardsand

Email worklogics@gmail.com ravi@excelsage.org Phone +91 98668 60188

# PROFILE OF RESOURCE PERSON



Ravi Kamana +91 98668 60188 ravi@powerbifox.com

## Certifications:

- Microsoft Certified Data Analyst Associate, (**DA-100**)
- Completed **Exam 70-779** Analyzing and Visualizing Data with **Microsoft Power Pivot,**
- Completed **Exam 70-778** Analyzing and Visualizing Data with **Microsoft Power BI**,
- Completed **Exam 77-888 Microsoft Office Specialist Excel Expert** 2010,
- **DP-900** Microsoft Azure Data Fundamentals,
- **AZ-900** Microsoft Azure Fundamentals,
- **AI-900** Microsoft Azure-AI Fundamentals,
- Microsoft Certified Trainer (**MCT**),
- Microsoft Certified Professional (**MCP**),
- Microsoft Certified Solutions Associate (**MCSA**)-BI reporting,
- **Financial Modeling** by **National Stock Exchange** (**NSE**).

## Other skills & Expertise:

- Expert knowledge in **Microsoft Excel** Reporting**,**
- Sound knowledge in creating Dashboards, KPIs using **Power Pivot**, **Power BI,**
- Sound knowledge and expertise on PBI Admin, **DAX Studio, Tabular Editor, ALM Toolkit**
- Knowledge in designing cubes in SQL Server **SSAS Tabular** and **Multi-dimensional**,
- Proficient in Data cleaning, reshaping & **ETL** processes using **Power Query**,
- Sound knowledge of **DAX** formulas using both in **Power Pivot**, **Power BI**, **DAX Studio**,
- Fair knowledge in querying **SQL** server using **T-SQL,**
- Knowledge on creating reports using **MDX** script in **SSAS Tabular, OLAP** cubes in **SSAS**

**Corporate clientele:**

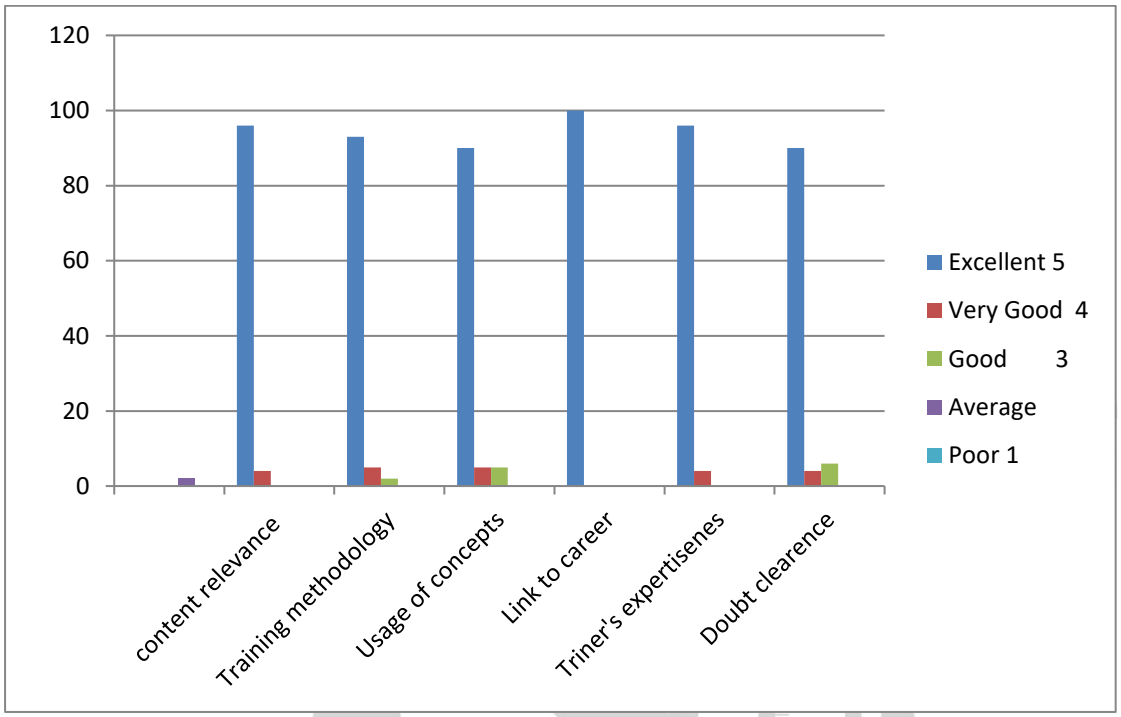
- Hindware Group, Hyderabad,
- Ola Cabs, Pune,
- Aditya Birla Group, Mumbai, MH
- ICICI Bank, Mumbai, MH
- Adani Group, Mundra, GJ, (series of Power BI workshops)
- Sundram Fasteners Ltd, Chennai, TN, (series of Power BI workshops)
- Ashok Leyland Ltd, Chennai, TN,
- CII, Chennai, TN (series of Power BI workshops for Cross company participants)
- CII, Coimbatore, TN (series of Power BI workshops for Cross company participants)
- CII, Vijayawada, AP (series of Power BI workshops for Cross company participants)
- CII, Salem, TN, (series of Power BI workshops for Cross company participants)
- Samsung, Gurgaon, NCR,
- Caterpillar India Ltd, Bangalore, KA,
- CMA CGM, Chennai, TN,
- Pricol Instruments, Coimbatore, TN,
- Amara Raja Group, Chittoor, AP,
- TVS Logistics, Chennai, TN,
- Turbo Energy Ltd, Chennai, TN
- Suguna Group, Coimbatore, TN,
- Deloitte Consulting, Bangalore
- Roots Industries, Coimbatore,
- Angaros Capital, Hyderabad, TS
- PrimeEra Group, Hyderabad, TS
- Amaravathi Textiles, Guntur, AP,
- Sumtotal Systems, Hyderabad, TS,

**Academic clientele**:

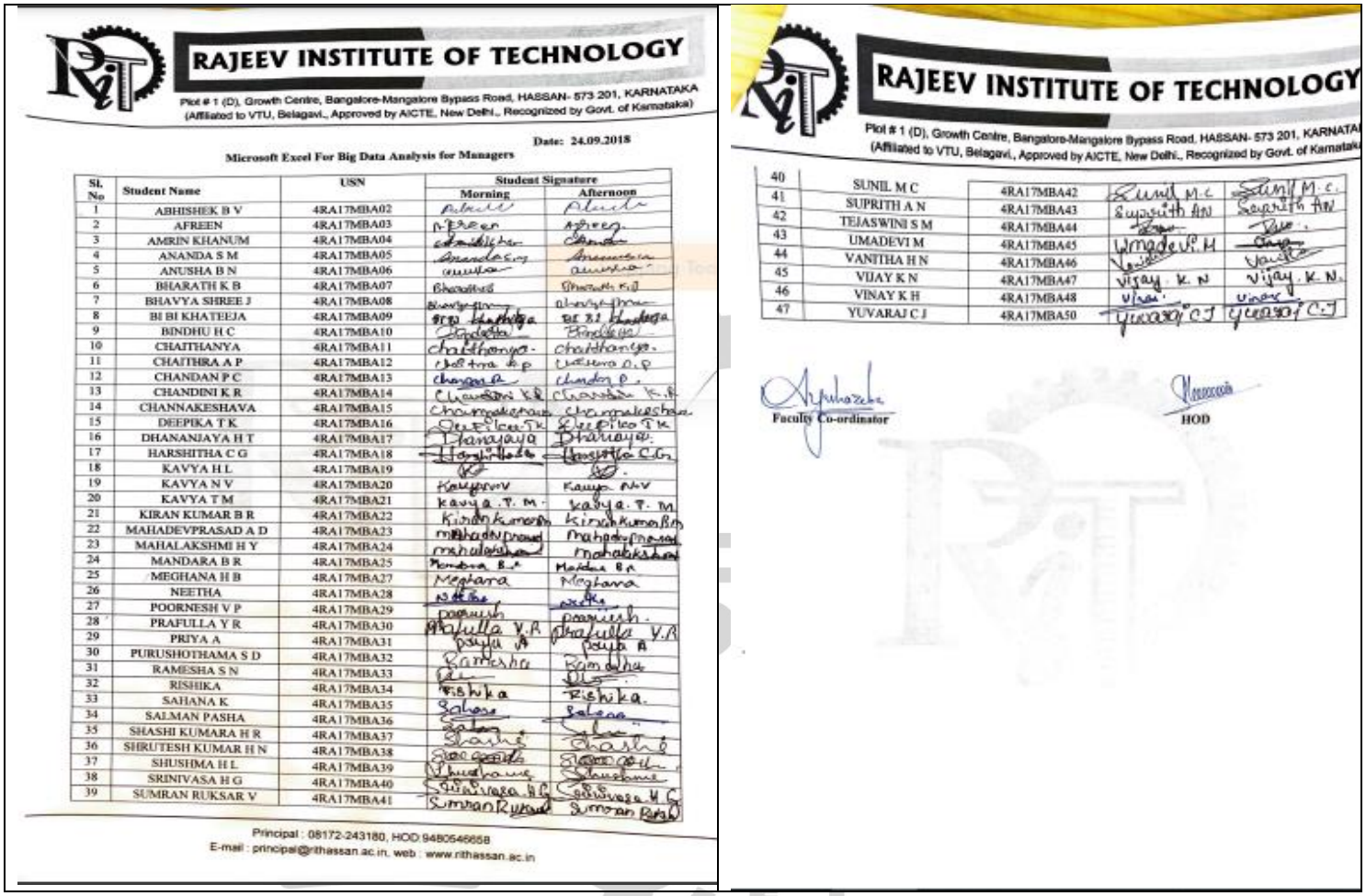
- NIT, Trichy, TN
- GSSSIETW, Mysore, KA
- RITS, Hassan, KA
- JEC, Jorhat, AS
- Sikkim Central University, Gangtok, SK
- Tezpur University, Tezpur, AS
- Mizoram University, Aizawl, MZ
- Manipur Institute of Management Studies, Imphal, MN
- Manipal School of Management, Manipal, KA
- SDM Group of Colleges, Ujire & Mangalore, KA
- SS. Dempo College, Goa,
- GMIT, Davangere, KA
- DVH IMSR, Dharwad, KA
- SDM College of Engg, Dharwad, KA
- Sahyadri College, Shimoga, KA

## Student Feedback

**Program**: Student Development Workshop
**Title**: Advanced MS Excel for Big Data Analysis
**Batch 2017-19**, 2nd semester 24 to 26th September 2018
**Nbr of Students**: 47



# STUDENT ATTENDANCE



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: 24.09.2018

Microsoft Excel For Big Data Analysis for Managers

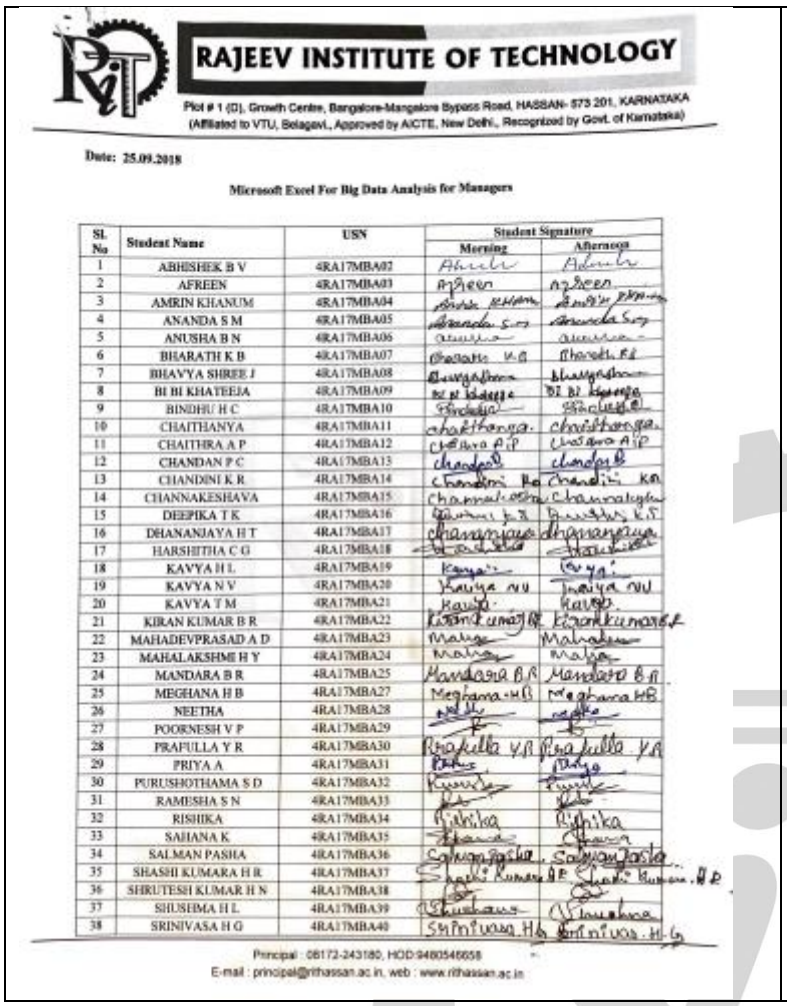
| Sl. No | Student Name | USN | Student Signature | |
|---|---|---|---|---|
| | | | Morning | Afternoon |
| 1 | ABHISHEK B V | 4RA17MBA02 | | |
| 2 | AFREEN | 4RA17MBA03 | | |
| 3 | AMRIN KHANUM | 4RA17MBA04 | | |
| 4 | ANANDA S M | 4RA17MBA05 | | |
| 5 | ANUSHA B N | 4RA17MBA06 | | |
| 6 | BHARATH K B | 4RA17MBA07 | | |
| 7 | BHAVYA SHREE J | 4RA17MBA08 | | |
| 8 | BI BI KHATEEJA | 4RA17MBA09 | | |
| 9 | BINDHU H C | 4RA17MBA10 | | |
| 10 | CHAITHANYA | 4RA17MBA11 | | |
| 11 | CHAITHRA A P | 4RA17MBA12 | | |
| 12 | CHANDAN P C | 4RA17MBA13 | | |
| 13 | CHANDINI K R | 4RA17MBA14 | | |
| 14 | CHANNAKESHAVA | 4RA17MBA15 | | |
| 15 | DEEPIKA T K | 4RA17MBA16 | | |
| 16 | DHANANJAYA H T | 4RA17MBA17 | | |
| 17 | HARSHITHA C G | 4RA17MBA18 | | |
| 18 | KAVYA H L | 4RA17MBA19 | | |
| 19 | KAVYA N V | 4RA17MBA20 | | |
| 20 | KAVYA T M | 4RA17MBA21 | | |
| 21 | KIRAN KUMAR B R | 4RA17MBA22 | | |
| 22 | MAHADEVPRASAD A D | 4RA17MBA23 | | |
| 23 | MAHALAKSHMI H Y | 4RA17MBA24 | | |
| 24 | MANDARA B R | 4RA17MBA25 | | |
| 25 | MEGHANA H B | 4RA17MBA27 | | |
| 26 | NEETHA | 4RA17MBA28 | | |
| 27 | POORNESH V P | 4RA17MBA29 | | |
| 28 | PRAFULLA Y R | 4RA17MBA30 | | |
| 29 | PRIYA A | 4RA17MBA31 | | |
| 30 | PURUSHOTHAMA S D | 4RA17MBA32 | | |
| 31 | RAMESHA S N | 4RA17MBA33 | | |
| 32 | RISHIKA | 4RA17MBA34 | | |
| 33 | SAHANA K | 4RA17MBA35 | | |
| 34 | SALMAN PASHA | 4RA17MBA36 | | |
| 35 | SHASHI KUMARA H R | 4RA17MBA37 | | |
| 36 | SHRUTESH KUMAR H N | 4RA17MBA38 | | |
| 37 | SHUSHMA H L | 4RA17MBA39 | | |
| 38 | SRINIVASA H G | 4RA17MBA40 | | |
| 39 | SUMRAN RUKSAR V | 4RA17MBA41 | | |

Principal : 08172-243180, HOD:9480546658
E-mail : principal@rithassan.ac.in, web : www.rithassan.ac.in

| | | | | |
|---|---|---|---|---|
| 40 | SUNIL M C | 4RA17MBA42 | | |
| 41 | SUPRITH A N | 4RA17MBA43 | | |
| 42 | TEJASWINI S M | 4RA17MBA44 | | |
| 43 | UMADEVI M | 4RA17MBA45 | | |
| 44 | VANITHA H N | 4RA17MBA46 | | |
| 45 | VIJAY K N | 4RA17MBA47 | | |
| 46 | VINAY K H | 4RA17MBA48 | | |
| 47 | YUVARAJ C J | 4RA17MBA50 | | |

Faculty Co-ordinator

HOD



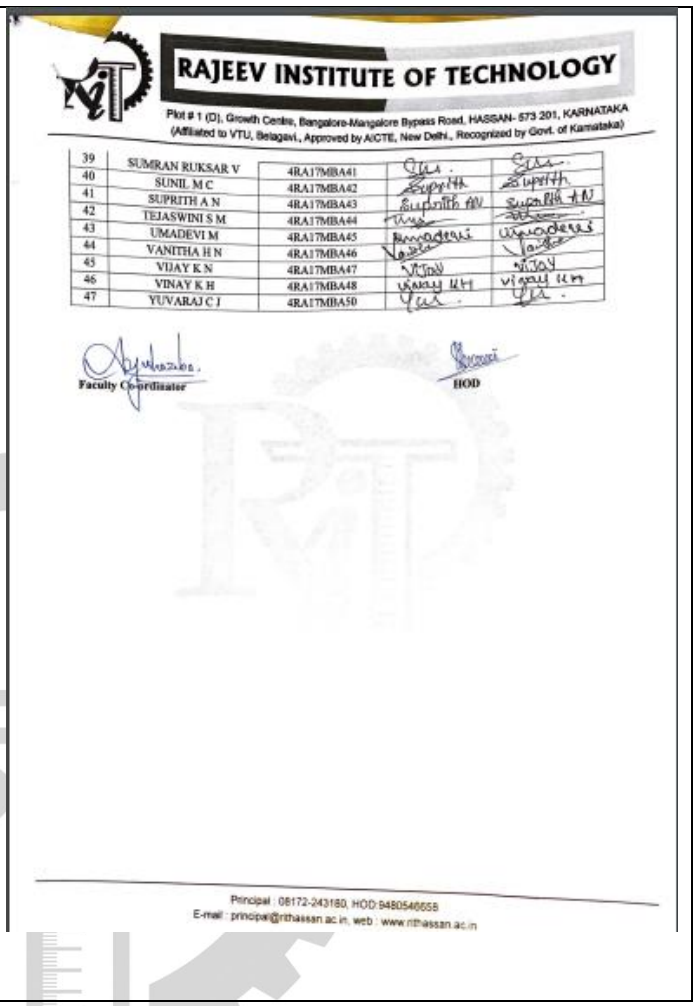
RAJEEV INSTITUTE OF TECHNOLOGY
Plot # 1 (D), Growth Centre, Bangalore-Mangalore Bypass Road, HASSAN- 573 201, KARNATAKA
(Affiliated to VTU, Belagavi., Approved by AICTE, New Delhi., Recognized by Govt. of Karnataka)

Date: 25.09.2018

Microsoft Excel For Big Data Analysis for Managers

| Sl. No | Student Name | USN | Student Signature | |
|---|---|---|---|---|
| | | | Morning | Afternoon |
| 1 | ABHISHEK B V | 4RA17MBA02 | | |
| 2 | AFREEN | 4RA17MBA03 | | |
| 3 | AMRIN KHANUM | 4RA17MBA04 | | |
| 4 | ANANDA S M | 4RA17MBA05 | | |
| 5 | ANUSHA B N | 4RA17MBA06 | | |
| 6 | BHARATH K B | 4RA17MBA07 | | |
| 7 | BHAVYA SHREE J | 4RA17MBA08 | | |
| 8 | BI BI KHATEEJA | 4RA17MBA09 | | |
| 9 | BINDHU H C | 4RA17MBA10 | | |
| 10 | CHAITHANYA | 4RA17MBA11 | | |
| 11 | CHAITHRA A P | 4RA17MBA12 | | |
| 12 | CHANDAN P C | 4RA17MBA13 | | |
| 13 | CHANDINI K R | 4RA17MBA14 | | |
| 14 | CHANNAKESHAVA | 4RA17MBA15 | | |
| 15 | DEEPIKA T K | 4RA17MBA16 | | |
| 16 | DHANANJAYA H T | 4RA17MBA17 | | |
| 17 | HARSHITHA C G | 4RA17MBA18 | | |
| 18 | KAVYA H L | 4RA17MBA19 | | |
| 19 | KAVYA N V | 4RA17MBA20 | | |
| 20 | KAVYA T M | 4RA17MBA21 | | |
| 21 | KIRAN KUMAR B R | 4RA17MBA22 | | |
| 22 | MAHADEVPRASAD A D | 4RA17MBA23 | | |
| 23 | MAHALAKSHMI H Y | 4RA17MBA24 | | |
| 24 | MANDARA B R | 4RA17MBA25 | | |
| 25 | MEGHANA H B | 4RA17MBA27 | | |
| 26 | NEETHA | 4RA17MBA28 | | |
| 27 | POORNESH V P | 4RA17MBA29 | | |
| 28 | PRAFULLA Y R | 4RA17MBA30 | | |
| 29 | PRIYA A | 4RA17MBA31 | | |
| 30 | PURUSHOTHAMA S D | 4RA17MBA32 | | |
| 31 | RAMESHA S N | 4RA17MBA33 | | |
| 32 | RISHIKA | 4RA17MBA34 | | |
| 33 | SAHANA K | 4RA17MBA35 | | |
| 34 | SALMAN PASHA | 4RA17MBA36 | | |
| 35 | SHASHI KUMARA H R | 4RA17MBA37 | | |
| 36 | SHRUTESH KUMAR H N | 4RA17MBA38 | | |
| 37 | SHUSHMA H L | 4RA17MBA39 | | |
| 38 | SRINIVASA H G | 4RA17MBA40 | | |

Principal : 08172-243180, HOD:9480546658
E-mail : principal@rithassan.ac.in, web : www.rithassan.ac.in



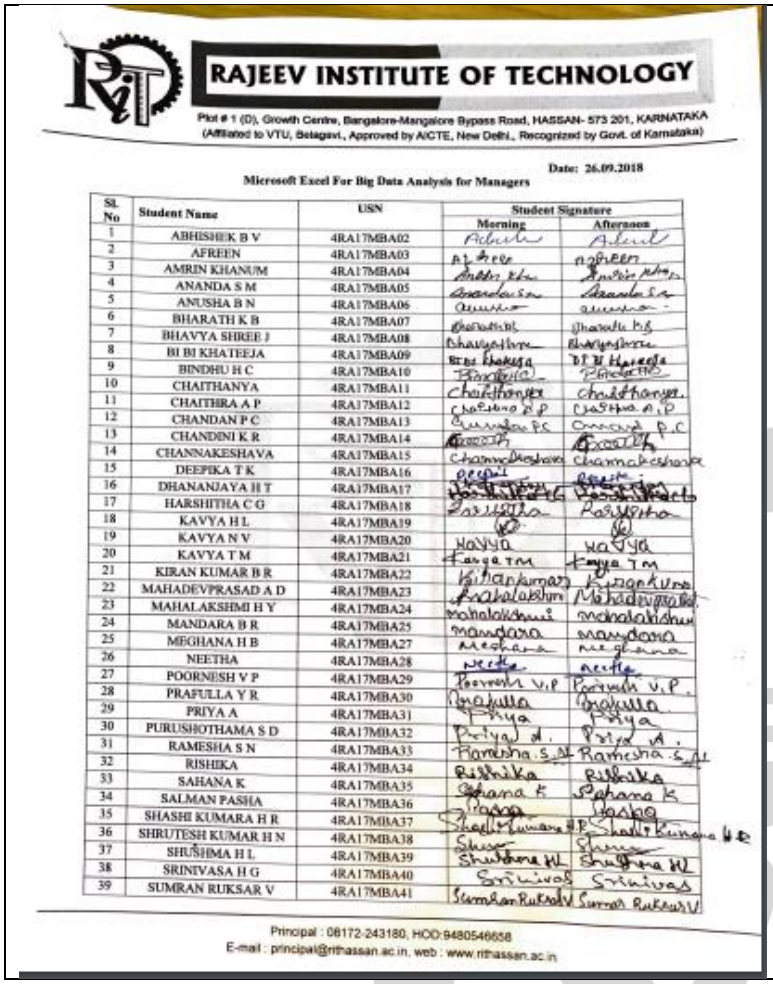
RAJEEV INSTITUTE OF TECHNOLOGY
Plot # 1 (D), Growth Centre, Bangalore-Mangalore Bypass Road, HASSAN- 573 201, KARNATAKA
(Affiliated to VTU, Belagavi., Approved by AICTE, New Delhi., Recognized by Govt. of Karnataka)

| | | | | |
|---|---|---|---|---|
| 39 | SUMRAN RUKSAR V | 4RA17MBA41 | | |
| 40 | SUNIL M C | 4RA17MBA42 | | |
| 41 | SUPRITH A N | 4RA17MBA43 | | |
| 42 | TEJASWINI S M | 4RA17MBA44 | | |
| 43 | UMADEVI M | 4RA17MBA45 | | |
| 44 | VANITHA H N | 4RA17MBA46 | | |
| 45 | VIJAY K N | 4RA17MBA47 | | |
| 46 | VINAY K H | 4RA17MBA48 | | |
| 47 | YUVARAJ C J | 4RA17MBA50 | | |

Faculty Coordinator

HOD

Principal : 08172-243180, HOD:9480546658
E-mail : principal@rithassan.ac.in, web : www.rithassan.ac.in



RAJEEV INSTITUTE OF TECHNOLOGY

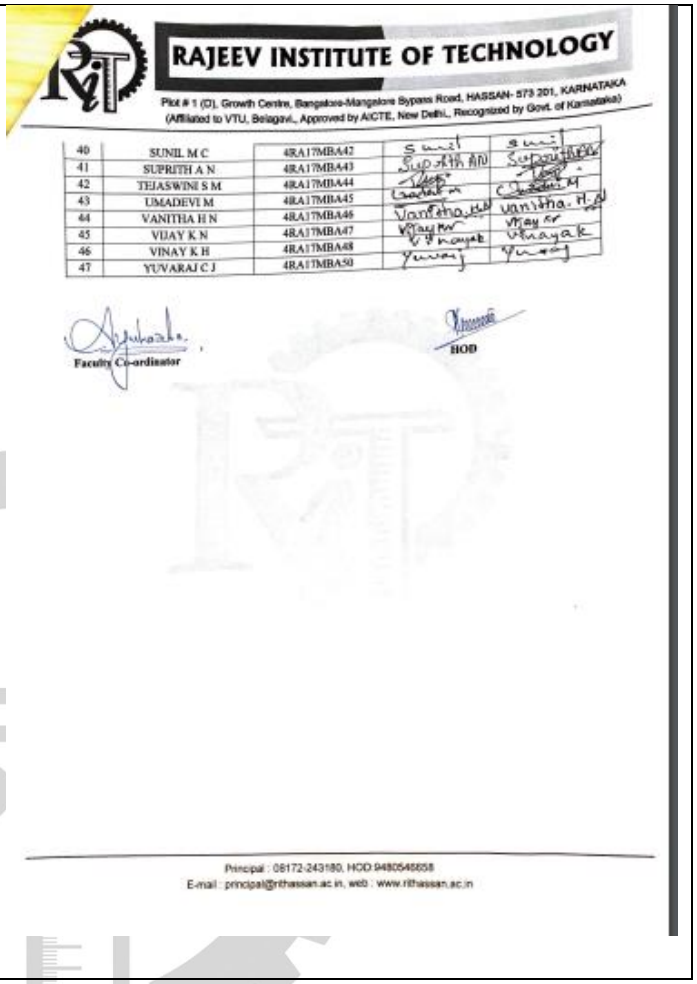
Plot # 1 (D), Growth Centre, Bangalore-Mangalore Bypass Road, HASSAN- 573 201, KARNATAKA
(Affiliated to VTU, Belagavi., Approved by AICTE, New Delhi., Recognized by Govt. of Karnataka)

Date: 26.09.2018

Microsoft Excel For Big Data Analysis for Managers

| Sl. No | Student Name | USN | Student Signature | |
|---|---|---|---|---|
| | | | Morning | Afternoon |
| 1 | ABHISHEK B V | 4RA17MBA02 | | |
| 2 | AFREEN | 4RA17MBA03 | | |
| 3 | AMRIN KHANUM | 4RA17MBA04 | | |
| 4 | ANANDA S M | 4RA17MBA05 | | |
| 5 | ANUSHA B N | 4RA17MBA06 | | |
| 6 | BHARATH K B | 4RA17MBA07 | | |
| 7 | BHAVYA SHREE J | 4RA17MBA08 | | |
| 8 | BI BI KHATEEJA | 4RA17MBA09 | | |
| 9 | BINDHU H C | 4RA17MBA10 | | |
| 10 | CHAITHANYA | 4RA17MBA11 | | |
| 11 | CHAITHRA A P | 4RA17MBA12 | | |
| 12 | CHANDAN P C | 4RA17MBA13 | | |
| 13 | CHANDINI K R | 4RA17MBA14 | | |
| 14 | CHANNAKESHAVA | 4RA17MBA15 | | |
| 15 | DEEPIKA T K | 4RA17MBA16 | | |
| 16 | DHANANJAYA H T | 4RA17MBA17 | | |
| 17 | HARSHITHA C G | 4RA17MBA18 | | |
| 18 | KAVYA H L | 4RA17MBA19 | | |
| 19 | KAVYA N V | 4RA17MBA20 | | |
| 20 | KAVYA T M | 4RA17MBA21 | | |
| 21 | KIRAN KUMAR B R | 4RA17MBA22 | | |
| 22 | MAHADEVPRASAD A D | 4RA17MBA23 | | |
| 23 | MAHALAKSHMI H Y | 4RA17MBA24 | | |
| 24 | MANDARA B R | 4RA17MBA25 | | |
| 25 | MEGHANA H B | 4RA17MBA27 | | |
| 26 | NEETHA | 4RA17MBA28 | | |
| 27 | POORNESH V P | 4RA17MBA29 | | |
| 28 | PRAFULLA Y R | 4RA17MBA30 | | |
| 29 | PRIYA A | 4RA17MBA31 | | |
| 30 | PURUSHOTHAMA S D | 4RA17MBA32 | | |
| 31 | RAMESHA S N | 4RA17MBA33 | | |
| 32 | RISHIKA | 4RA17MBA34 | | |
| 33 | SAHANA K | 4RA17MBA35 | | |
| 34 | SALMAN PASHA | 4RA17MBA36 | | |
| 35 | SHASHI KUMARA H R | 4RA17MBA37 | | |
| 36 | SHRUTESH KUMAR H N | 4RA17MBA38 | | |
| 37 | SHUSHMA H L | 4RA17MBA39 | | |
| 38 | SRINIVASA H G | 4RA17MBA40 | | |
| 39 | SUMRAN RUKSAR V | 4RA17MBA41 | | |

Principal : 08172-243180, HOD:9480546658
E-mail : principal@rithassan.ac.in, web : www.rithassan.ac.in



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)

| | | | | |
|---|---|---|---|---|
| 40 | SUNIL M C | 4RA17MBA42 | | |
| 41 | SUPRITH A N | 4RA17MBA43 | | |
| 42 | TEJASWINI S M | 4RA17MBA44 | | |
| 43 | UMADEVI M | 4RA17MBA45 | | |
| 44 | VANITHA H N | 4RA17MBA46 | | |
| 45 | VIJAY K N | 4RA17MBA47 | | |
| 46 | VINAY K H | 4RA17MBA48 | | |
| 47 | YUVARAJ C J | 4RA17MBA50 | | |

Faculty Co-ordinator

HOD

Principal : 08172-243180, HOD:9480546658
E-mail : principal@rithassan.ac.in, web : www.rithassan.ac.in