### From Principal's Desk

*I am happy to know that Department of ISE has come up with Fourth edition of newsletter. I wish them all the best in their future initiatives.*

*Dr Manjunatha M.B.*
*Principal, RRIT*

### From HOD's Desk

*We are glad to present 4th Edition of InSpirE, the ISE Newsletter Feb – June 2018. Congratulations to Team InSpirE for their effort and dedication*

*Dr Madhu B. K.*
*Prof and Head, ISE*

### From Editor's Desk

*It is with immense pleasure and honor we are presenting 4th edition of the ISE department newsletter "InSpirE.". InSpirE mirrors department activities, events and achievments. In this edition, we have tried to capture Excitements from February 2018 to june 2018. I hope "InSpirE" inspires*

*Prof. Swetha K B*
*Assistant Professor,*
*ISE &Editor, InSpirE*

EDUCATION IS THE MOST POWERFUL WEAPON WHICH YOU CAN USE TO CHANGE THE WORLD.
*Nelson Mandela*

# INSPIRE- *Newsletter*

*About Department*

*Brief RRIT-ISE consistently works on research initiatives towards newer technological concepts and also in improving teaching abilities. Department of ISE is known for its best faculty, creating the best possible education, which is based on their innovative and core research. Department has been nominated as Best Performing department at RRIT for 4 consecutive academic years of 2012-13, 2013-14, 2014-15 and 2015-16,2016-2017.*

*Vision*

*To become a provincial leader in technical education, in the field of Information Technology in the affiliated university by 2020*

*Mission*

*To seek solution to imperative global problems and educate future leaders who will make the world a better place to live by using the power and concept of engineering principles, techniques and systems.*

*Goals*

*Our key goals are to:*

*1.Prepare information professionals who demonstrate excellence in leadership, service, research and education in a technology-driven world*

*2. Deliver world-class, research-based education to students and ICT based training to scholars from academia, industry and society*

*3. Maintain a supportive and flexible learning environment to accommodate students individual backgrounds, needs and aspirations*

*4. Contribute to professional, academic and public interests through consulting continuing education and leadership*
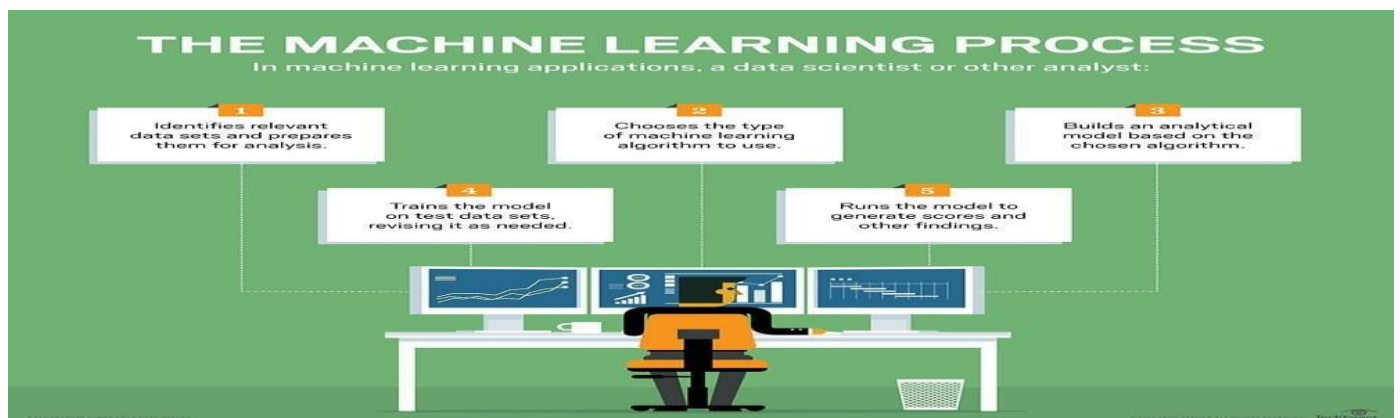
# Departmental Activities

1. *"**Entrepreneurship Awareness Camp**" was organised by **Prof M Suneetha** under **ED** Cell on 22$^{nd}$–24$^{th}$ October 2017.*

2. *Prof Suneetha M organised Graduation Day on 19/5/18 at new seminar hall.*

3. *Prof.Swetha K B has participated in"**iON PRIDE Faculty Development Program**" - Webinar on Internet of Things, 27th of September, 2017 from TCS.*

4. *Prof.Swetha K B has participated in"**WIDS BENGALURURV@RVCE**",**Global Women in Data Science** Conference ,Bengaluru Chapter ,hosted by R V College of Engineering,in association with Stanford University and Cisco on 16$^{th}$ **M**arch,2018 .*

5. *Prof.Swetha K B has attended " **R & D Ssymposium**" on 11th may 2018 at Sir MVIT ,Bengaluru..*

6. *Prof Gautham B S and Prof Vinod L B has attended Vtu workshop "New Model Curriculum for First Year CBCS as Per Outcome Based Education" in MSRIT*

7. *All Faculties of the department participated in "**Outcome Based Education**" on 20$^{th}$ April 2018,**RRIT**,Bengaluru.*

8. *All Faculties of the department participated in the fdp program on "**CO s' PO's**" in june 2018,**RRIT**,Bengaluru.*

# Technology Insight

## Machine Learning (ML)

*Machine learning (ML) is a category of <u>algorithm</u> that allows software applications to become more accurate in predicting outcomes without being explicitly programmed. The basic premise of machine learning is to build algorithms that can receive input data and use <u>statistical analysis</u> to predict an output while updating outputs as new data becomes available.*

## How It Works?



## Examples of machine learning

*Machine learning is being used in a wide range of applications today. One of the most well-known examples is Facebook's News Feed. The News Feed uses machine learning to personalize each member's feed. **I**f a member frequently stops scrolling to read or <u>like</u> a particular friend's posts, the News Feed will start to show more of that friend's activity earlier in the feed. Behind the scenes, the software is simply using statistical analysis and <u>predictive analytics</u> to identify patterns in the user's data and use those patterns to populate the News Feed. Should the member no longer stop to read, like or comment on the friend's posts, that new data will be included in the data set and the News Feed will adjust accordingly.*

# INSPIRE- *Newsletter*

## *Achievements / Events*

## *Paper Publications for the Semester*

1) **Prof. Madhu B K** published research paper on "**ICT Integration for Effective Curriculum and Instructional Delivery in Secondary Education in Nigeria**" *International Journal of Engineering Trends and Applications* **(IJETA)** – *Volume 4 Issue 6, Nov-Dec 2017* .

2) Prof.**Madhu B K** published research paper on "**E-Learning: Implications for Mathematics Educators**" *International Journal on Recent and Innovation Trends in Computing and Communication,* **ISSN:** *2321-8169, Volume: 5 Issue: 11, 116 – 120* .

3) Prof.**Madhu B K** published research paper on "**The Effect of Funding on the Educational System**" *International Journal on Recent and Innovation Trends in Computing and Communication,* **ISSN:** *2321-8169, Volume: 5 Issue: 11, 121 – 124* .

4) Prof.**Madhu B K** published research paper on "**Using Multimedia System as an Instructional Strategy: Implication and Challenges**" *International Journal on Recent and Innovation Trends in Computing and Communication,* **ISSN:** *2321-8169, Volume: 5 Issue: 11, 125 – 128* .

5) Prof.**Madhu B K** published research paper on "**Impact of Expert System as Tools for Efficient Teaching and Learning Process in Educational System in Nigeria**" *International Journal on Recent and Innovation Trends in Computing and Communication,* **ISSN:** *2321-8169, Volume: 5 Issue: 11, 129 – 133* .

6) Prof.**Madhu B K** published research paper on "**Expert System as Tools for Efficient Teaching and Learning Process in Educational System in Nigeria, First Step**" *International Journal on Future Revolution in Computer Science & Communication Engineering, Volume: 3 Issue: 12,* **ISSN:** *2454-4248, 165 – 168* .

7) Prof.Suneetha M Paper Accepted for "7th International Conference on Big Data Analytics & Data Mining", *during September 26 -27, 2018 at Chicago, USA* with the theme "**Modern Technologies and Challenges in Big Data**".

8) **Prof.Swetha K B** published paper on "**Digital notices using voice to text conversion**"*Innovations in Computational Science and Information Technology* **(ICSIT -2018)** *JNANA CHILUME 2018 - SET Jain University - ISBN :978-93-5300-367-8.*

9) Prof.Swetha K B has completed her "**PHD Course Work Examination** " in VTU June 2018.

10) **Prof.Gautham B S** published paper on "**Keyword Bsed Autoclassification of Data in Cloud Computing** "*International Journal of Engineering and Technology -***I***SBN 2319-8613*

11)Prof.**Gautham B S** published paper on "**Secure MultiAuthority Data Access Control System in Cloud Computing** "*International Research Journal of Engineering and Technology -***I***SBN 2395-0056*

12) Prof.Gautham B S published paper on "**Protective and Efficacious cloud evaluating Schema** "*IEEE Xplore Digital Library -***I***SBN -978-1-5386-1887-5.*

13)Prof.Gautham B S Paper Accepted for "A FRAMEWORK FOR PERSONALIZED HEALTHCARE DATA ANALYSIS AND VISUALIZATIONS "*International Journal of Recent Engineering Research and Development* **(IJRERD**)

# *INSPIRE- Newsletter*

## *Congratulations Class of 2017-2018*



**Aadarsh Kumar Sl (1RI17IS001)**
**8.75 Grade**

**(1st SEM)**

  

**Kavyashree S(1RI17IS010)**      **Abhishek G(1RI17IS003)**      **NarasimhaReddy (1RI17IS015)**
**8.00 Grade**      **7.83 Grade**      **7.25 Grade**

**(3rd SEM)**

  

**Rajendra Tharu (1RI16IS027)**      **Rubina Shrestha(1RI16IS030)**      **S Aishwaraya Rao(1RI16IS031)**
**8.03 Grade**      **7.86 Grade**      **7.53 Grade**

**(5th  SEM)**

  

**Anjali V (1RI15IS005)**      **Yogitha M (1RI15IS037)**      **Deepen Prajapati (1RI15IS011)**
**8.00 Grade**      **7.77 Grade**      **7.15 Grade**

**(7th  SEM)**

  

**Samudhutha S(1RI14IS020)**      **Nisha Maria Gonsalves(1RI14IS016)**      **Sanket Adhikeri(1RI14IS021)**
**(72%)**      **(70%)**      **(68%)**

# *Hobbies Corner*



*Art by*
*P S Krutika, 8 th sem*

**FACES OF EXCELLENCE of Academic Year 2017-18**



| Dr Madhu B K | Prof Suneetha M | Prof Ganesha M | Prof Vani S | Prof Swetha K B | Prof Gautham B S |

*Got 100 % Results*

# *SCRAPBOOK*



Orientation Day Program



Farewell Party By Juniors to Seniors



**S Aishwaraya Rao (1RI16IS031)** got **1st** place in solo singing in **Kalatarranga 2018**



**Sagar G C ,Bhagwan Das ,Sanket Adhikkari** got **1st place** in **Meraki 2018 Project Exhibition** under the guidance of **Prof Vani S** and got **Rs 5000** /cash from **VTU**



**Ichchha Parajuli (1RI16IS011)** got **1st** place in solo dancing in **Kalatarranga 2018**



**ISE Students** IN **Fashion Show** won **1st prize** from **RRIT**



**Graduation DAY**

*Editorial Board*

*Editor*     *Prof. Swetha K. B.*

*Members*   *Anjali V, 6th ISE*

*Krishna Makavan, 6th ISE*

*Sanjay Kumar G, 7th ISE*

*Neethu Varghese, 7th ISE*

## Acknowledgement

*Members of Editorial Board Team of InSpirE want to express their sincere thanks to Management, CEO, Principal for their continues support and encouragement.*

*Team, InSpirE*