



# R. R. Institute of Technology

Affiliated to VTU Belgaum and Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka, Accredited by NAAC with B+

Raja Reddy Layout, Chikkabanavara, Bengaluru – 560 090



## PRO-GEEKS – News Letter\_2022-23

VOLUME 7

ISSUE 1

### FROM THE PRINCIPAL DESK

“We cannot always build the future for our youth, but we can build our youth for the future.” Season’s Greetings to you! At RRIT, the students are made industry ready by imparting the skill sets that are required to be employed in multi-nationals. All the students are encouraged to participate in at least one curricular.

### ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 2008 from the inception of the college with an intake of 120.

### VISION

- To arise as an excellent learning center in the field of Computer Science & Engineering by fostering a skilled, innovative professionals to build a strong nation.

### MISSION

- To provide a conceptual foundation that caters the career required to adopt for changing technology in computer science.
- To bridge the gap between academics and the latest tools, technologies in the area of hardware and software.
- To set out co-curricular open doors for student’s participation in advancements and recent trends.
- To explore the potential and excel the students towards research to attain Novelty.

### FROM HOD’S DESK

The Motto of our Department is 'Creativity, Hard work & Intelligence always pays'. Our Department of Computer Science & Engineering aims at providing Student Excellent knowledge about New Technologies. Students are well equipped to Publish Papers. We provide Students an opportunity to explore their interests in New technologies. It is indeed my great pleasure that our Department is publishing Newsletter etching every aspect of activities and events held in Academic session 2022-23 ODD Semester.

### FROM EDITOR’S DESK

Welcome to the Newsletter Edition!!

I am delighted to bring this 2022-23 Academic Session Newsletter.

Enjoy reading.....



**Dr. Mahendra K**  
Principal, RRIT

### Editorial Desk

#### Chief Editor

**Dr. Manjunath R**  
Professor & Head  
CSE Department, RRIT

#### Editor

**Prof. Lakshmi Devi H M**  
Assistant Professor  
CSE Department, RRIT

#### Student Members

Pramodh S, 7<sup>th</sup> Semester  
Deepak R, 5<sup>th</sup> Semester  
Rohan S, 3<sup>rd</sup> Semester



**Dr. Manjunath R**  
Professor & Head, RRIT

## Department Activities

Sl. No.	Name of The Activity	Date	Resource Person
1	Awareness Program on "Current Trends & Opportunities in IT Industry"	14/10/22	Saranya Tumma Project Manager SkillDzire, Bangalore
2	Site Visit to Campus-1, R R Institute, Hesragatta Main Road, Chikkabanavara to Study "Environmental Impact Studies"	14/10/22	Prof. Ranganathan B A, Associate Professor Civil Department, RRIT, Banaglore
3	SDP on "AWS, Cyber Security, Full Stack & APPIAN"	17/10/22	James Christy Zonal Manager Ethnus Consultancies, Bangalore
4	Workshop on "The Domain Web Scraping Using Python"	28/11/22	Ms. Megha B S Developer and Trainer MeVi Technologies Lp Tumkuru, Karnataka
5	SDP on "Data Extraction and Management is done by using Python"	28/11/22	Mr. Vijaya B R IT Manager MeVi Technologies Lp Tumkuru, Karnataka
6	Student Development Program on "Ethical Hacking in Cyber Security"	16/11/22	Mr. Santosh Chaluvadi Founder & CEO SUPRAJA Technologies, Vijayawada
7	Bridge Course on "Object Oriented Programming Concepts with Java"	24/11/22 To 26/11/22	Mr. Vijaya B R IT Manager MeVi Technologies Lp Tumkuru, Karnataka
8	Three Days Workshop on "OOP's With Python"	24/11/22 To 26/11/22	Ms. Megha B S Developer and Trainer MeVi Technologies Lp Tumkuru, Karnataka
9	Five days Hands on "Usage of SQL Server Management Studio (SSMS) Tools"	06/12/22 & 07/12/22	Amith K S Managing Partner Manyathy Business Solutions Hubli, Karnataka
10	The conduction of "The Discovery day for students"	09 /12/22	Mr. James Christy Zonal Manager, Ethnus Consultancies.
11	Guest Lecture on "Research Areas in Climate Change Management"	17/12/22	Dr. P P Nageswara Rao Former Director ISRO and Planning Commission Chairman VTU (KRSAC), Bengaluru
12	Guest Lecture on "Applications of Artificial Intelligence and Machine Learning"	19/12/22	Mr. Mahesh Deginal M D & CEO Karunadu Technologies Private Limited Bengaluru- 90
13	Career Awareness Program on "Full Stack Development"	22/12/22	Mr. Srikanth Muppalla Co-Founder & Director SkillDzire, Hyderabad, Telangana
14	Industrial Visit to Volvo India Pvt. Ltd., Peenya, B'lore on 21st December 2022	21/12/22	Prof. Shivakumar Swamy N Professor, CSE Department, RRIT Prof. Lakshmidevi H M Assistant Professor, CSE Department, RRIT
15	Visit to Create Awareness on Tourism and Development-AICTE Activity	12/01/23	Prof. Veena V Assistant Professor, ,CSE Department
16	Visit to Create Awareness on "Tourism, Social Connect and Responsibility"	27/01/23	Dr. Shivakumar Swamy N Professor, CSE Department

## Department & Staff News

- ✓ Dr Manjunath R has published a paper titled “Vibration Based Fault Detection In Drone Using Artificial Intelligence” in Scopus Journal Turkish Online Journal of Qualitative Inquiry
- ✓ Dr. Manjunath R & team had filed and published patent named “Smart sensors based on hill area road maintenance in winter using the Internet of Things” In IPR India.
- ✓ Prof. Veena V & team had filed and published patent named “Text Summarization and Dimensionality Reduction using Machine Learning Approach” in IPR India.
- ✓ National Board of Accreditation Visited the department on July 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> 2022 and department is accredited for 3 years.
- ✓ Faculties have attended more than twenty-five Workshops, FDP’s & Seminars and submitted one Project Proposal.
- ✓ Faculties have published more than 15 papers in International & National Conferences/Journals.
- ✓ Faculties have conducted subject wise Quiz, group Discussions, Charts and Seminars.
- ✓ Faculties have organized 2 Technical Seminars, 1 Guest Lecture, 1 SDP, 1 International Conference, 1 Certificate Program, 1 Project Exhibition, 1 Workshop and 2 Visits.













## Student News

- ✓ Veeksha Got second place in 1<sup>st</sup> idea pitching competition on 3<sup>rd</sup> December 2022 by RR Institute of technology
- ✓ M S Swaroop and team Got 2<sup>nd</sup> place in HACK-A-CITY workshop & competition on 20<sup>th</sup> December 2022 organized by City Engineering college
- ✓ Manoj Gowda N and Team got 2<sup>nd</sup> place in Techno Utsav (Best innovative ideas) on 21st December 2022 Organized by R.L Jalappa Institute of Technology, Bangalore
- ✓ One Project Batches from final year received funds from Government KSCST
- ✓ One Project Batch received 1<sup>st</sup> prize from State Level Project Exhibition “TechNova 2023”

## Patents

- ✓ Dr. Manjunath R, Smart sensors based on hill area road maintenance in winter using the Internet of Things, 202241059660, 28/10/2022, indian patent filled and published.
- ✓ Prof. Veena V, Prof. Balaraju G, Text summarization and dimensionality reduction using learning approach, 202221011723, 04-03-2022, Indian Patent filled and
- ✓ Prof. Manjunath R, AWS-Cloud Data Advanced Performance Improved using Machine and Deep Learning Programming, 2021103769, 30/06/2023, Austrian patent filed and Granted.
- ✓ Prof. Niranjan R Chougala, A System For Breast Cancer Detection Using Image Processing Ein System Zur Brustkrebserkennung Mittels Bildverarbeitung, 202022104873, 09-02-2023, German patent filed and Granted.
- ✓ Prof. Niranjan R Chougala, A System for Detecting Breast Cancer using Image processing, 202241026459, 13/05/2022, Indian Patent filed and Published

## TOPPER LIST

SEMESTER	I	II	III
VIII	 <p style="text-align: center;">Pooja N (1RI18CS040) 77.5%</p>	 <p style="text-align: center;">Keerthana S (1RI18CS027) 76.5%</p>	 <p style="text-align: center;">Rijin Raj (1RI18CS045) 75.6%</p>
VI	 <p style="text-align: center;">Tanima Mondal (1RI19CS048) 80.4%</p>	 <p style="text-align: center;">Sharath R (1RI19CS044) 78.22%</p>	 <p style="text-align: center;">Deep Mondal (1RI19CS014) 77.4%</p>
IV	 <p style="text-align: center;">Manjil Dhungana (1RI20CS064) 90%</p>	 <p style="text-align: center;">M S Swaroop (1RI20CS029) 84.55%</p>	 <p style="text-align: center;">Shravani P (1RI20CS046) 83.77%</p>
II	 <p style="text-align: center;">Poulomi Bhattacharya (1RI21CS0079) 89.11%</p>	 <p style="text-align: center;">Sahana R (1RI21CS097) 89%</p>	 <p style="text-align: center;">Nehalama (1RI21CS074) 87.66%</p>

# Gallery



Online Awareness Program on “Current Trends & Opportunities in IT Industry”



SDP on “Ethical Hacking in Cyber Security”



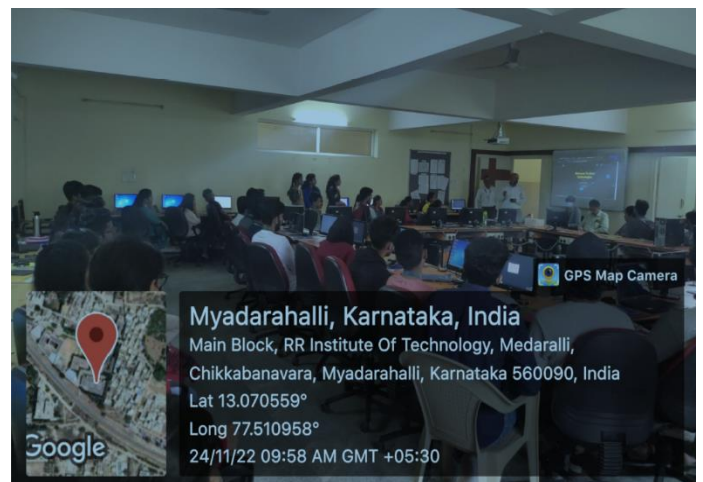
“The Discovery day for Students”



SDP ON “AWS, Cyber Security, Full Stack & Appian”



Guest Lecture on “Applications of Artificial Intelligence and Machine learning

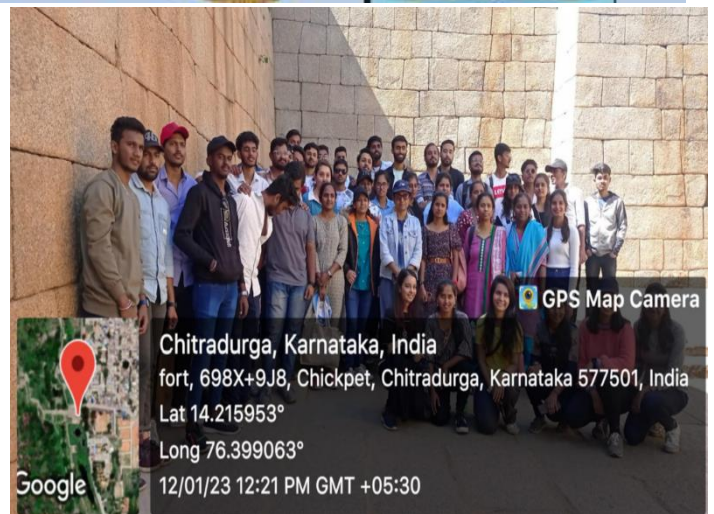


Bridge Course on “Object Oriented Programming Concepts with Java”

# Gallery



SDP on “Data Extraction and Management is done by using Python”



Tourism and Development AICTE activity



Visit to create awareness on Tourism and Development AICTE activity



Visit to Campus-1, R R Institute, Bengaluru



Workshop On “The Domain Web Scrapping using Python”

<b>Programme Outcomes (PO's)</b>	
<b>PO1</b>	<b>Engineering Knowledge:</b> Apply knowledge of mathematics and science, with fundamentals of Computer Science & Engineering to be able to solve complex engineering problems related to CSE.
<b>PO2</b>	<b>Problem Analysis:</b> Identify, Formulate, review research literature and analyse complex engineering problems related to CSE and reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
<b>PO3</b>	<b>Design/Development of Solutions:</b> Design solutions for complex engineering problems related to CSE and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural societal and environmental considerations.
<b>PO4</b>	<b>Conduct Investigations of Complex Problems:</b> Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
<b>PO5</b>	<b>Modern Tool Usage:</b> Create, Select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to computer science related complex engineering activities with an understanding of the limitations.
<b>PO6</b>	<b>The Engineer and Society:</b> Apply Reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the CSE professional engineering practice.
<b>PO7</b>	<b>Environment and Sustainability:</b> Understand the impact of the CSE professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.
<b>PO8</b>	<b>Ethics: Apply</b> Ethical Principles and commit to professional ethics and responsibilities and norms of the engineering practice.
<b>PO9</b>	<b>Individual and Team Work:</b> Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary Settings.
<b>PO10</b>	<b>Communication:</b> Communicate effectively on complex engineering activities with the engineering community and with society at large such as able to comprehend and with write effective reports and design documentation, make effective presentations and give and receive clear instructions.
<b>PO11</b>	<b>Project Management and Finance:</b> Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi-disciplinary environments.
<b>PO12</b>	<b>Life-Long Learning:</b> Recognize the need for and have the preparation and ability to engage in independent and life-long learning the broadest context of technological change.
<b>Program Specific Outcomes (PSO's)</b>	
<b>PSO 1</b>	Apply the software practice, principals to design and analysis of complex computer based system
<b>PSO2</b>	Design implements and validate system and application software to the various societal needs
<b>Program Education Objectives(PEO's)</b>	
<b>PEO1</b>	Proficiency to recognize contemporary issues and provide solutions using broad knowledge of computer science.
<b>PEO2</b>	Ability to plan, analyze, design, evolve project implementing capabilities and skills in IT industry.
<b>PEO3</b>	Drive to adapt new computing technologies lifelong to acquire professional greatness.
<b>PEO4</b>	Possess professional, ethical, social responsibilities, communication skills and teamwork needed for a successful professionalist.

## HOW TO CREATE A PROFESSIONAL RESUME?

The following steps and examples will help you design a professional resume.

### 1. Start by choosing the right resume format

A “format” is the style and order in which you display information on your resume. There are three commonly used resume formats.

- a) A chronological resume format places the professional history section first and is a good option if you have a rich professional work history with no gaps in employment.
- b) The functional resume format emphasizes the skills section and is a good option if you are switching industries or have some gaps in your work history.
- c) The combination resume format is a good option if you have some professional experience where both skills and work history are equally important.

### 2. Include your name and contact information

Your resume should begin with your name and contact information including your email address and phone number. You have a choice about whether to include your mailing address.

### 3. Add a resume summary or objective

After your contact information, you have the option to include either a resume summary or objective statement. An objective statement quickly explains your career goals and is a good choice for those with limited professional experience such as recent college or high school graduates. A resume summary is a short statement that uses active language to describe your relevant work experience and skills.

### 4. List your soft and hard skills

Take a moment to consider which skills make you a great fit for the job. Review the job description and highlight keywords that you have had proven success with in the past. Consider hard (technical) and soft (interpersonal) skills, as well as transferable skills you can use when changing careers or industries.

Create a skills section with the keywords that are relevant to the employer. List any required skills like certifications or licenses first.

### 5. List your professional history with keywords

Write your professional history section in reverse-chronological order. Start with your most recent job and provide a short description including the company name, time period in which you were employed, your job title and a few key achievements during your time at the company. You might also include relevant learnings or growth opportunities you experienced while employed there.

### 6. Include an education section

An education section will be especially valuable if you have limited work experience (such as recent college or high school graduates) or if you are transferring to a new industry.

### 7. Consider adding optional sections

If you have significant white space on your resume, consider adding an achievements or interests section.

### 8. Format your resume

While the layout of your resume is important, you should also take time to pay attention to formatting details like font style, font size, margins and spacing.

### 9. Proofread your resume

Carefully review your resume for spelling, grammar and punctuation errors. Reading your resume backwards can help you identify errors by presenting the words in a new order. You should also ask trusted friends, colleagues, professors and family members if they can review your resume. Third-party opinions can help reveal new information you might have overlooked.

### 10. Tailor your resume for each position

It's important to revise your resume to tailor it to each position you apply for. For each job, adjust the keywords in the skills section so that it's a great fit for what the employer needs.