About RV Institute of Technology and Management

Rashtreeya Vidyalaya Institute of Technology and Management (RVITM) established in 2019 under RashtreeyaSikshana Samithi Trust (RSST). At RV Institute of Technology and Management (RVITM), we put great emphasis on incorporating Information and Communication Technology (ICT) in our education. All the programmes we offer are specially designed to help students gain an inch-depth understanding of the latest technologies advancement through a stimulating and engaging learning environment.

We believe that this approach gives our students an edge over their contemporaries, enabling them to conquer the real world with confidence.

Vision

To impart top-quality technical education with global competence and societal commitment, leading to breakthrough innovations.

Mission

Our mission is to nurture passionate engineers through experiential learning by providing state-of-the-art infrastructure, and ICT-enabled education.

UG Programs Offered

SL NO	Program	Year of Starting	Intake
1	Computer Science & Engineering	2019	180
2	Computer Science & Engineering - (Artificial Intelligence and Machine Learning)	2025	120
3	Electronics and Communication Engineering	2019	60
4	Mechanical Engineering	2019	30

PG Programs Offered

SLNO	Program	Year of Starting	Intake
1	MCA	2023	120

Unique Features

- **All ICT enabled Class rooms with Digital Smart boards**
- **Lecture Videos Capture facilities**
- **Google sites website for each and every Course (Subject)**
  - ❖ **Lesson Plan, About the faculty**
  - ❖ **Soft copy of the course Notes/PPTs**
  - ❖ **University question papers**
  - ❖ **Laboratory manuals etc.**
- **VTU affiliated Research centres for the following Departments:**
  - * **Computer Science & Engineering**
  - * **Information Science and Engineering**
  - * **Electronics and Communication Engineering**
  - * **Mechanical Engineering**
  - * **Physics, Chemistry and Mathematics**
- **Centralized & Department level Libraries**
- **Auditorium & Seminar Halls**
- **State of the art sports facilities**
- **Exclusive Industry Trainings from III semester in VLSI Design.**

HIGHLIGHTS

- **80% faculty are with PhD**
- **Ongoing Funded projects**
- **7 R & D Centres**
- **641 Publications with RVITM affiliation**
- **06 patents awarded and 16 published during 2023-24**
- **Active industry Institute Interaction Cell**

Students Achievements- Last One Year

- **Coursera / NPTEL courses completed - 121**
- **Paper Published-68**
- **Best Paper Awards-07**
- **Internships Completed- 447**
- **Training undergone - 69**
- **Hackathon/Competetions-27**

CET/ COMEDK Cutoff Rank 2023-24

SL NO	PROGRAM	CET Rank - GM		COMEDK Rank	
		High	Low	High	Low
1	CSE	2778	10575	2313	7267
2	ISE	9001	12685	3023	8545
3	ECE	10638	15290	4162	9934

CET/ COMEDK Cutoff Rank 2022-23

SL NO	PROGRAM	CET Rank -GM		COMEDK Rank	
		High	Low	High	Low
1	CSE	4741	8994	5860	23760
2	ISE	5625	13637	8320	28586
3	ECE	12309	16037	8592	33340
4	ME	50634	149037	--	

CET/ COMEDK Cutoff Rank 2021-22

SL NO	PROGRAM	CET Rank -GM		COMEDK Rank	
		High	Low	High	Low
1	CSE	2707	7757	3333	9563
2	ISE	5904	11412	9044	11522
3	ECE	5910	14506	11652	19309
4	ME	48975	155798	15649	43250

PLACEMENT CELL

The Placement Cell of RVITM, in association with the RV College of Engineering Placement Cell, has been successful in this facet of trans-forming education into employability. It holds a 75% placement record and has grown from strength to strength, with 200+ companies visiting the campus every year.

Placement Statistics for 2022-23

Program	Eligible Students	Students Placed	% Placement	Max CTC	Min CTC	Median CTC
				Rs LPA		
CSE	59	41	69	35	4.5	10.00
ISE	59	47	80	40	4.5	11
ECE	34	26	76	29	4	8.50
ME	12	10	83	10	4.5	5.90
Total	164	124	76	40	4	10.00

Placement Statistics for 2023-24 (Ongoing)

Program	Eligible Students	Students Placed	% Placement	Max CTC	Min CTC	Median CTC
				Rs LPA		
CSE	115	94	82	25	6	11.01
ISE	51	40	78	25	6	11.01
ECE	40	18	45	29	3.7	11
ME	11	5	45	5.35	4.5	5
Total	217	157	72	29	3.7	11.01

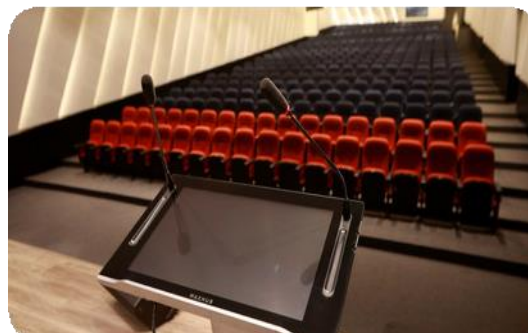## Library & Information Centre

Books:
UG: No.of titles-1342, No.of.Volumes-9274
PG -MCA: No.of titles-232, No.of.Volumes-695
- No.Journals(Hard copies):36
- Member of National Digital Library
- Member of VTU consortium
- Source E-books
- No.of e-books titles: PG-6557; UG-11099

Department Libraries

State of the art Facilities

State of the art Auditorium

All Classrooms with smart board & Recording facilities

Indoor Games & Gym Facilities

State of the art Outdoor Games Facilities

Library & Information Center

Funded Projects

Sl. No	Funding Agency	Name of Faculty & Dept	Sanctioned amount (Rs)
1	Science and Engineering Research Board (SERB) India under Start Up Research Grant (SRG)	Dr.Samrat D (Chy Dept)	13,71, 850/-
2	VTU Research Grant Scheme- 2021.	Dr.Samrat D (Chy Dept)	8,00, 000/-
3	VTU Research Grant Scheme- 2021	Dr.Ramesh.S (ME Dept)	8,00, 000/-
4	VTU Research Grant Scheme- 2021	Dr.Durga Prasad C (ME Dept)	9,00,000/-
5	Science and Engineering Research Board (SERB) India under Start Up Research Grant (SRG)	Dr.Prasad B E (Chy Dept)	19,04,000/-
6	Science and Engineering Research Board (SERB), under TARE scheme in collaboration with JNCASR	Dr.Srinath (Physics Dept)	18,03,000/-
7	Science and Engineering Research Board (SERB), under Scientific Social Responsibility (SSR)	Dr.Durga Prasad C (ME Dept)	22,00,000/-
	Total		**105,78,850/-**

Student Clubs

1. Phoenix Robotics Club
2. Adventure Activities Club
3. Magazine Club
4. Science Club
5. Cultural Club
6. E-Cell
7. Coding Club
8. RUDRA (Energy Club)
9. BitHive Club
10. Datascape Club
11. Altstratus Club
12. Algoholics Club
13. Lotronix Club
14. Speak up Community
15. Kaushalya Skill Enhancement Cell
16. RUDRA (Energy Club)
17. AGES- Cyber Security Club
18. Mobile Application and IoT Club
19. Rubix Cube Club
20. MUNSEC Club

MoUs with Industries

1. Loginware Softtec Pvt. Ltd.,Bangalore
2. Advance Electronic Systems Pvt.Ltd
3. DiFACTO Robotics and Automation Pvt. Ltd. Bangalore
4. Abtream Technologies Pvt.Ltd
5. Conquer Technologies Pvt.Ltd
6. Binary Systems
7. Infosys springboard portal for training
8. Leap Scholar for Higher Education Counselling
9. TNS India Foundation
10. Ui Path Alliance
11. Advanced Electronic Systems Pvt Ltd
12. Academic Reverse Engineering Infosec Pvt Ltd
13. Tackle-D Pvt. Ltd
14. IP Evel LLP
15. Indian Tech-Keys
16. Sensemi Technologies (P) Ltd.
17. Venjay Automation Pvt. Ltd
18. Trinity, Non Destructive Testing(NDT) Company (P) Ltd

Human Resources

No. of Faculty:73
No. of Faculty with PhD: 53
No. of Faculty pursuing PhD: 19
Technical & Administrative Staff : 31

Faculty Activities Attended

FDPs	- 310
Workshops	- 152
Trainings	- 26
Online Courses	- 74
Technical talks	- 72
Conferences	- 60
Patent	- 06

Research Activities

Journals	- 459
Conferences	- 278
Funded Project Received	- 10
Funded projects completed	- 02
Ongoing funded projects	- 08 (Rs 1.08 crores)
Books Published	- 09
Book Chapters	- 26
Funded Project Proposals Submitted	- 64
Patents Awarded/ Published	- 06/16
Invited talks delivered	- 29

Department of Computer Science and Engineering

About the Department
Year of Establishment 2019

Total number of Faculty	:18
Number of Professors	:02
Number of Associate Prof.	:04
Number of Assistant Prof.	:11
Professor of Practice	:01
Number of Faculty with Ph.D	:10
Number of faculty Pursuing Ph.D	:06

Students Achievements

Internship	: 400
Online Certification Completed	: 200
NPTEL Gold Badges	: 02
Conference publication	: 20
Journal Publication	: 12
Coding Contests	: 16
SIH 2022 Teams	: 01

New Initiatives

RVITM Clubs	: 05
Industrial Visits	: 02
Research Centre	: 01
Hackathon	: 01

Faculty Achievements

Journal Publications	: 223
Conference	: 185
Book Chapter	: 13
Patent	: 06

Department Activities

Workshops	: 18
Faculty Development Program	: 05
Seminars/ Webinars/Technical Talks	: 18
Hackathon/ Project Exhibition	: 01

Faculty Research Domain
Natural Language Processing,
Machine Learning
Cloud Computing
Computer and Wireless Networks,
Data Science
Parallel Computing
Image Processing.
Deep Learning
Network Security
Internet of Things
Big Data
Artificial Intelligence
Blockchain Technology

MOU's

Student Clubs
Algoholics , Datascape club, Iotronix club , Alt stratus, Web 3.o Club
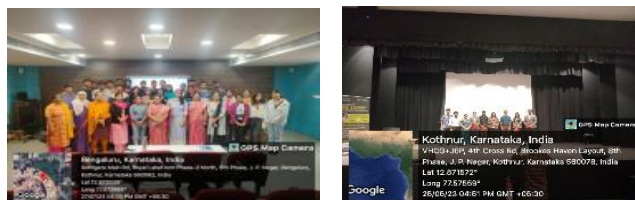
Department Club Activities

Department Achievements

International and National Conference held in the year 2023 & 24

Project viveka

Unity3D AR/VR   **Cloud Naive Full stack**

Industrial Visit to Silk Board

Department of Information Science and Engineering

About the Department
Year of Establishment 2019
Total number of Faculty   : 12
Number of Professors   : 01
Number of Associate Prof.   : 02
Number of Assistant Prof.   : 09
Number of Faculty with Ph.D   : 05
Number of faculty Pursuing Ph.D : 07

Students Achievements
Internship   : 199
Online Certification Completed : 274
NPTEL Gold Badges   : 04
Conference publication   :15
E-Campus Project   : 01
Coding Contests   : 16
SIH 2022 Teams   : 09

New Initiatives
Collaboration with Toyota : 01
RVITM Clubs   : 06
Industrial Visits   : 03
Project Exhibitions   : 02
Hackathon   : 03

Faculty Research Domain
Natural Language Processing,
Machine Learning
Cloud Computing
Computer and Wireless Networks,
Data Science
Parallel Computing
Image Processing
Deep Learning & Network Security
Artificial Intelligence& Block Chain
Augmented Reality and Virtual Reality

Faculty Achievements
Papers Published in Journals :128
Papers published in Conference :90
Book Chapters-   :06
Patents   :06
Workshops Organized   :13
FDPs Organized   :11
Seminars/Technical talks   :27
Hackathons   :03
Project Exhibition   :02

MoU's

Project Exhibition-2024

24 Hour Hackthon-2024

RVTIM-MUN by MUNSOC Club

Department of Electronics and Communication & Engineering

About the Department
Year of Establishment 2019
Total number of Faculty : 13
Number of Professors : 02
Number of Associate Prof. : 02
Number of Assistant Prof. : 09

Faculty Achievements
Number of Faculty with Ph.D : 11
Number of faculty Pursuing Ph.D : 02
Journals Published : 65
Conferences Published : 38
Book Chapters : 03
Patents : 02

Students Achievements
Internship : 112
Conference publication : 15
Journal Publication : 10
Coding Contests : 01
Project Competition : 03

New Initiatives
- ECE Research and Development center
- IEEE RVITM Student branch
- Centre of Excellence in semiconductor research
- Skill lab in Arduino & Sensor, IOT, Robotics Lab
- Industrial visit to the Centre for Nanoscience and Engineering (CeNSE) at the Indian Institute of Science (IISc).
- Industrial visit at U R Rao Satellite Centre, ISRO, Bangalore.

Faculty Research Domain
Image/ Video Processing
VLSI Design
Embedded systems
Pattern Recognition
Signal Processing
Wireless Communication and sensor networks
Microwave and RF Antennas
Power Electronics
Nano science and Technology
Photonics
Artificial Intelligence

MOU's

International Conference on The Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management IC-RVITM'23

Faculty Development Program on VLSI IC Design and Avenues of Interdisciplinary Research

Technical talk on "Generative AI in health care and Edge Devices" on 24th January by Mr. Sri Vasireddy, CEO Rean Foundation.

1st Prize in Line Follower Robot Competition In QuantumX-24 held at New Horizon College of Engg

1st prize in Paper Presentation at VTU Technical Fest Yukti-24 State Level Event held on 13th Jan 2024 at VTU Belagavi Campus

Department of Mechanical Engineering

About the Department
- Year of Establishment 2019
- Sanctioned intake (CAY)   : 30
- Total number of Faculty   : 10
- Number of Associate Prof.   : 02
- Number of Assistant Prof.   : 08
- Number of Faculty with Ph.D: 09
- Number of faculty Pursuing Ph.D : 01

Faculty Achievements
- No. of Journal   :152
- No. of Conferences   :91
- No. of Books Chapters   : 09
- No. of Patents   :15
- Technical Talk Delivered :11

Student's Achievements
- On-line Certifications completed:12
- Internships   :94
- NPTEL Gold Badgea   :01
- Conference Publications   :15
- KSCST Project Award   : 03

New Initiatives
- Guest Lectures   : 09
- Industrial Visits   : 08
- Workshops/Training Program   : 07
- Skill Enhancement Program   : 02
- Workshop Organized   : 03
- International/
  National Conference Organized   : 03
- Seminar/Webinar Organized   : 02

Faculty Research Domain
- I.C Engines, Heat Transfer, Emission Control Techniques
- Computational Fluid Dynamics
- Manufacturing Science and Engineering
- Solar Energy
- Material Design and Engineering
- Artificial Intelligence
- Manufacturing Process
- Machine Design
- Construction Technology

List of MoUs
- DiFACTO Robotics and Automation Pvt. Ltd., Bengaluru
- Venjay Automation Pvt. Ltd., Bengaluru
- JIVANAH Platform Services, Hubli

List of Programs Conducted/Participated:
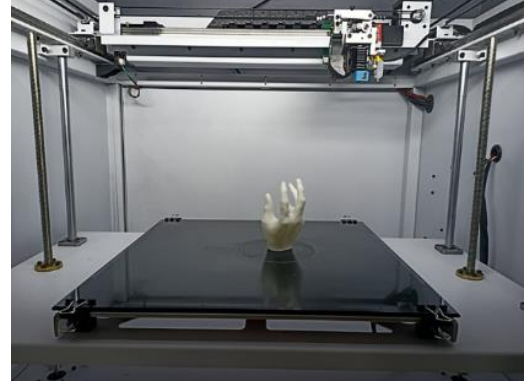
Workshop on "3D Printing Machine Demo" for staff members and student on 11.11.2023

State Level Poster Presentation, National Institute of Engineering (NIE), Mysuru, 22.12.2023

PROTATVA'24 held on 24.04.2024

Department of Master of Computer Applications

About the Department
Year of Establishment 2023

Total number of Faculty   :05

Number of Professors   :01

Number of Associate Prof.   :02

Number of Assistant Prof.   :02

Professor of Practice   :00

Number of Faculty with Ph. D   :03

Number of faculty Pursuing Ph. D :02

Students Achievements
Prizes won in technical fests

In ZerOne 2024
- IT Quiz: 2nd Place

In Abhyuday 8.0
- IT Manager: 1st Place
- IT Quiz: 2nd Place
- Coding and debugging: 3rd Place
- Photography: 3rd Place
- Treasure Hunt-Team: 3rd Place

New Initiatives
- ICT enabled Class Rooms
- Digital Smart boards
- Lecture Capture facility
- Google sites website for all courses
- Laboratory manuals

Faculty Achievements
Journal Publications   : 03

Conference Publications   : 01

Department Activities
Seminars/ Webinars/Technical Talks: 01

Technical Talk on Writing Efficient Programs

Faculty Research Domain
- Information and Software Security
- Blockchain
- Big Data
- ETL Tools
- Machine Learning
- Cloud Computing
- Distributed Computing
- Cloud Security
- Software Engineering
- Knowledge Management
- Artificial Intelligence
- Data Science

Student Clubs
TechXplore-MCA Developer Club

Objectives:
- Improve Coding Literacy
- Improve critical thinking
- Promotion of Employability
- All Code phobia
- Incubate Skill Developers

Department Achievements

2nd Prize in IT quiz a SIT, Tumkur

Over all Champions of Abhyuday 8.0 at MSRIT

Facilities/Infrastructure

MCA Laboratories

ICT enabled Classrooms with video lecture recording system

Department Library   **MCA Seminar Hall**

Department of Physics

About the Department
Year of Establishment 2019
Total number of Faculty : 03
Number of Associate Professors : 01
Number of Assistant Prof. : 02
Number of Faculty with Ph.D : 03

New Initiatives
Number of activitiesunder RVITM
 Science/Quiz/NDLIClubs :04

Faculty Achievements
Number of Journal Paper publications :35
Number of Conference Paper publications :12

Faculty Research Domain
- Nanomaterials,
- Thin films
- Glass and Glass Ceramics
- Multifunctional metal nanoparticles
- Dosimeters
- Single Crystals

Department of Chemistry

About the Department
Year of Establishment 2019
Total number of Faculty : 03
Number of Associate Professors : 01
Number of Assistant Prof. : 02
Number of Faculty with Ph.D : 03

New Initiatives
Number of activitiesunder RVITM
 Science/Quiz/NDLIClubs :04

Faculty Achievements
Number of Journal Paper publications : 60
Number of Conference Paper publications: 05
Number of Book Chapter publications : 02

Faculty Research Domain
- Neurochemistry, Nanoscience
- Biosensors
- New Material synthesis

Workshop conducted Biosensors

Department of Mathematics

About the Department
Year of Establishment 2019
Total number of Faculty : 04
Number of Professors : 01
Number of Assistant Prof. : 03
Number of Faculty with Ph.D : 04

Students Achievements
Number of students who scored
centum in Mathematics Courses :52

New Initiatives
Number of activities under RVITM
 Science/Quiz/NDLIClubs :10

Faculty Achievements
Number of Journal Paper publications :35
Number of Conference Paper publications : 10
Number of Books publications : 02
Number of Book Chapter publications : 06
Number of Patent Granted: 01

Faculty Research Domain
Fluid Mechanics
Finite Element Method (FEM)
Numerical Modeling on Fluid Flow
Mathematical Computing
Mathematical Analysis
Applied Mathematics
Numerical Analysis
Algebra
Graph Theory
Fuzzy topology
Module Theory

Workshop conducted on AI and ML.

Technical Talk conducted on Transforms Applications