



# RV INSTITUTE OF TECHNOLOGY AND MANAGEMENT®

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)  
Chaitanya Layout , JP Nagar 8<sup>th</sup> Phase , Kothanur, Bengaluru-560076



## About RV Institute of Technology and Management

Rashtreeya Vidyalyaya 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 Engineering and Machine Learning)	2025	120
3	Electronics and Communication Engineering	2019	60

## 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

- 70% faculty are with PhD
- Ongoing Funded projects
- 7 R & D Centres
- 1835 Publications with RVITM affiliation
- 04 patents awarded and 38 published during 2024-25
- Active industry Institute Interaction Cell
- Students Achievements- Last One Year
  - Coursera / NPTEL courses completed - 303
  - Paper Published-41
  - Best Paper Awards-01
  - Internships Completed- 379
  - Training undergone - 37
  - Hackathon/Competitions-27

### CET/ COMEDK Cutoff Rank 2024-25

SL NO	PROG RAM	CET Rank - GM		COMEDK Rank	
		High	Low	High	Low
1	CSE	5910	12063	3418	14477
2	ISE	10104	14918	6873	19948
3	ECE	7659	16793	13768	22853

### CET/ COMEDK Cutoff Rank 2023-24

SL NO	PROG RAM	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	PROG RAM	CET Rank -GM		COMEDK Rank	
		High	Low	High	Low
1	CSE	5860	14604	15361	23760
2	ISE	8320	21217	27033	28586
3	ECE	8592	27038	-	33340

### 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 83% placement record and has grown from strength to strength, with 200+ companies visiting the campus every year.

### Placement Statistics for 2024-25

Prog ram	Eligi ble Stude nts	Stude nts Place d	% Pla cem ent	Max CTC	Min CTC	Medi an CTC
				Rs LPA		
CSE	115	99	86	25	6	11
ISE	51	46	90	24.74	6	11
ECE	40	25	63	29	5	12
ME	11	11	100	5	4.5	4.5
<b>Total</b>	<b>217</b>	<b>181</b>	<b>83</b>	<b>29</b>	<b>4.5</b>	<b>11</b>

### Placement Statistics for 2021-25 (Ongoing)

Prog ram	Eligi ble Stude nts	Stude nts Place d	% Pla cem ent	Max CTC	Min CTC	Medi an CTC
				Rs LPA		
CSE	118	81	69	26	4	12
ISE	54	37	69	20	4	10
ECE	40	17	43	20	4	9
ME	17	10	59	9	4	6
<b>Total</b>	<b>229</b>	<b>145</b>	<b>63</b>	<b>26</b>	<b>5</b>	<b>10</b>

### 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

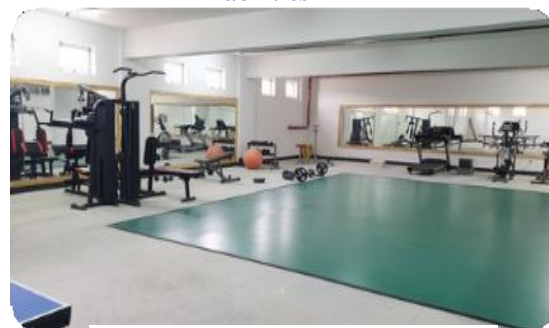
### State of the art Facilities



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**

<b>Sl. No</b>	<b>Funding Agency</b>	<b>Name of Faculty &amp; Dept</b>	<b>Sanctioned amount (Rs)</b>
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	SERB India under Start Up Research Grant (SRG)	Dr. Prasad B E (Chy Dept)	19,04,000/-
6	SERB, under TARE scheme in collaboration with JNCASR	Dr. Srinath (Physics Dept)	18,03,000/-
7	(SERB), under Scientific Social Responsibility (SSR)	Dr. Durga Prasad C (ME Dept)	22,00,000/-
<b>Total</b>			<b>105,78,850/-</b>

#### **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. Algholics 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
21. Coding Club
22. KRONOS AI & ML Club
23. RVITM Cubing Association
24. Lotronix Club
25. ECX Club
26. Astronomy Club
27. Quiz Club
28. Beta Club
29. CodeXplorers (MCA)

#### **MoUs with Industries**

1. Ui Path Academic Alliance
2. Infosys Ltd, BETA CAE
3. Sensesemi Technologies(P) Ltd.
4. Sumedha Design Systems Pvt. Ltd
5. Cadmaxx Edtech Pvt
6. Prasa IP Solutions
7. Zintlr Private Ltd
8. Tackle-D Pvt. Ltd
9. IP Evel LLP
10. Jamsetji Tata Society
11. TNS India Foundation
12. Data Flair, Marque Equity
13. Indian Tech-Keys, Trinity IP Evel LLP
14. Non- Destructive Testing (NDT) Company (P) Ltd
15. Reverse Engineering Infosec Pvt Ltd
16. IDP - International Education Specialists
17. DiFACTO Robotics and Automation Pvt. Ltd.
18. Venjay Automation Pvt. Ltd.
19. ABSTREAM Technologies
20. Loginware Softtec Pvt.Ltd
21. Advanced Electric Systems
22. Binary Systems Pvt Ltd
23. Conquer Technologies
24. Advanced Electronic Systems Pvt Ltd
25. Light of the self-Foundation
26. U & I Trust

#### **Human Resources**

**No. of Faculty:77**

**No. of Faculty with PhD: 50**

**No. of Faculty pursuing PhD: 27**

**Technical & Administrative Staff :50**

#### **Faculty Activities Attended**

FDPs	- 386
Workshops	- 198
Trainings	- 32
Online Courses	- 74
Technical talks	- 92
Conferences	- 73

#### **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-	93
Patents Awarded/ Published-	14/54
Invited talks delivered	- 29

## Department of Computer Science and Engineering

### About the Department

Year of Establishment 2019

Total number of Faculty	:21
Number of Professors	:04
Number of Associate Prof.	:04
Number of Assistant Prof.	:12
Professor of Practice	:01
Number of Faculty with Ph.D	:13
Number of faculty Pursuing Ph.D	:07

- 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

### New Initiatives

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

### Faculty Achievements

Journal Publications	: 223
Conference	: 193
Book Chapter	: 17
Patent	: 07

### Department Activities

Workshops	: 31
Faculty Development Program	: 05
Seminars/ Webinars/Technical Talks	: 20
Hackathon/ Project Exhibition	: 02
International Conference	: 01

### MOU's



### Student Clubs

Alcoholics, Datascape club, Iotronix club, Alt stratus, Web 3.0 Club

### Faculty Research Domain

- Natural Language Processing,
- Machine Learning



## Department of Computer Science and Engineering- ACTIVITIES



**UNITY3D AR/VR DEVELOPMENT**



**WORKSHOP ON IoT and its Applications**



**Technical Talk- DEEP Dive into JAVA and J2EE**



**Smart India Hackathon**



**CODE BOOST**



**WORKSHOP ON UI/UX Design**



**Hands-on Workshop on Data Visualization**



**Alumni Lecture Series**



**Faculty Development Program**

## Department of Information Science Engineering

### About the Department

Year of Establishment 2019

Sanctioned intake (CAY)	: 120
Total number of Faculty	: 10
Number of Professors	: 01
Number of Associate Prof.	: 02
Number of Assistant Prof.	: 07
Number of Faculty with Ph.D	: 04
Number of faculty Pursuing Ph.D	: 06

### New Initiatives

Collaboration with Toyota	: 01
RVITM Clubs	: 06
Industrial Visits	: 05
Project Exhibitions	: 02
Hackathon	: 04

### 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 & Blockchain  
Augmented Reality and Virtual Reality

### Faculty Achievements

Papers Published in Journals	: 148
Papers published in Conference	: 112
Book Chapters-	: 08
Patents	: 09
Workshops Organized	: 25
FDPs Organized	: 06
Seminars/Technical talks	: 32
Project Exhibition	: 02

### MoU's





## Department of Information Science and Engineering- ACTIVITIES



**Talk on POSH Act- ASHC**



**Chaaya Club Inauguration**



**Workshop on Data Visualization using Tableau**



**Workshop on "U & I" for AICTE Activity Points**



**Talk on "Life Style on Ecological Balance"**



**Seminar on "Career/Higher Education Option After Graduation"**



**Industrial Visit to ISRO, Bengaluru**



**Rubik's Cube workshop**



**Bangalore Cube Open 2024**



**Faculty Development Program**

## Department of Electronics and Communication & Engineering

### About the Department

Year of Establishment 2019

Sanctioned intake (CAY)	: 60
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	: 244
Conferences Published	: 291
Book Chapters	: 05
Patents	: 10

- Pattern Recognition
- Signal Processing
- Wireless Communication and sensor networks
- Microwave and RF Antennas
- Power Electronics
- Nano science and Technology
- Photonics
- Artificial Intelligence

### MOU's

### 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





## Department of Electronics and Communication & Engineering- ACTIVITIES



Technical Talk- Generative AI in health care and Edge Devices



Industrial Visit- IISc



Preplacement Preparation



FDP- Robotics Skill Lab



Taiwan Visit- Dr. Vikash Kumar- Asst. Professor-ECE



Industrial Visit- ISRO



Alumni Talk



Inauguration of IETE-Student Forum (ISF)



Collaborative research initiative



Faculty Development Program

## Department of Mechanical Engineering

### About the Department

Year of Establishment 2019

Sanctioned intake (CAY) :30

Total number of Faculty :08

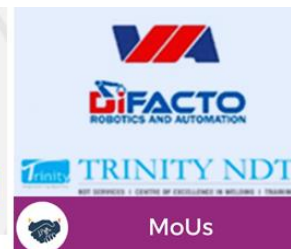
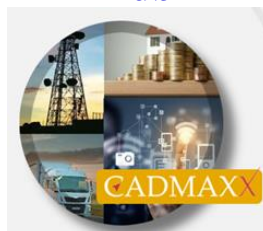
Number of Associate Prof. :02

Number of Assistant Prof. :06

Number of Faculty with Ph. D :07

Number of faculty Pursuing Ph. D :01

- JIVANAH Platform Services, Hubli



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### Faculty Achievements

No. of Journal :258

No. of Conferences :110

No. of Books Chapters : 13

No. of Patents :20

Technical Talk Delivered :23



### New Initiatives

Guest Lectures : 10

Workshops/Training Program : 08

Skill Enhancement Program : 05

Workshop Organized : 03

### 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



## Department of Mechanical Engineering – ACTIVITIES



**Guest Lecture- Design and Drones**



**AICTE Activity points Guest Lecture**



**Talk on PSU Job Opportunities**



**NDLI Club Event**



**Industry Visit-Surekha Career Academy**



**MOU Signing Ceremony**



**Project Expo- Innovative Ideas to the Water Crisis**



**Industry Visit-TVS Motors**



**Industry -Academia Interaction**



**Guest Lecture- Former Regional Director-DRDO**

## Department of Master of Computer Applications

### About the Department

Year of Establishment 2023

Sanctioned Intake (CAY): :120

Total number of Faculty :10

Number of Professors :01

Number of Associate Prof. :02

Number of Assistant Prof. :07

Number of Faculty with Ph. D :05

Number of faculty Pursuing Ph. D :05

- Cloud Computing
- Distributed Computing
- Cloud Security
- Software Engineering
- Knowledge Management
- Artificial Intelligence
- Data Science

### Student Clubs

Tech Xplore-MCA Developer Club

Objectives:

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

### Students Achievements

Prizes won in technical fests

In ZerOne 2024

IT Quiz: 2nd Place

In Abhyuday 8.0

IT Manager: 1st Place

IT Quiz: 2<sup>nd</sup> 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 : 52

Conference Publications : 54

### Faculty Research Domain

- Information and Software Security
- Blockchain
- Big Data
- ETL Tools
- Machine Learning



## Department of Master of Computer Applications – ACTIVITIES



Technical Talk- Writing Efficient Programs



MCA Code Explorers Club Inauguration



Technical Club Activity



Workshop-Machine Learning Techniques using Python"



Outreach Activity- RV Public School



Technical Talk- Writing Efficient Programs



Upskill Assessment- Bug Bounty Program



Industry visit to NXTGEN Cloud Data Center



## Department of Physics

### About the Department

Year of Establishment 2019

Total number of Faculty : 03

Number of Assistant Prof. : 03

Number of Faculty with Ph.D : 03

### New Initiatives

Number of activities under RVITM

Science/Quiz/NDLI Clubs :04

### Faculty Achievements

Number of Journal Paper publications :50

Number of Conference Paper publications :18

No. of Books Chapters : 04

### 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 activities under RVITM

Science/Quiz/NDLI Clubs :04

### Faculty Achievements

Number of Journal Paper publications :63

Number of Conference Paper publications:05

Number of Book Chapter publications :04

Technical Talks Delivered :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 : 05

Number of Professors : 01

Number of Assistant Prof. : 04

Number of Faculty with Ph.D : 05

### New Initiatives

Number of activities under RVITM

Science/Quiz/NDLI Clubs :10

### Faculty Achievements

Number of Journal Paper publications :50

Number of Conference Paper publications:11

Number of Books publications :05

Number of Book Chapter publications : 08

Number of Patent Granted: 03

### 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



## ACTIVITIES CONDUCTED AT COLLEGE LEVEL



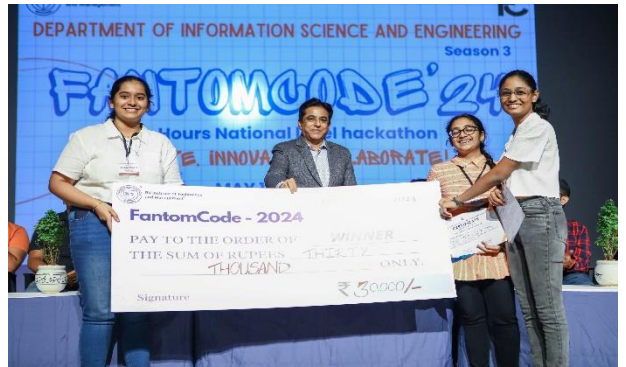
State-level project exhibition-Protatva '24 by Dept of ISE



National Conference by Dept of CSE



Sambhram'2024- College Cultural



24-hour hackathon- Fantomcode'24 by Dept of ISE



Graduation Day 2024



Technical Fest- Robofiesta'2024



Kannada Rajyotsava- Samyama '2024



NSS Camp



VTU State Level Tournament- Basket Ball Women



PG Technical Fest- Advaya



## STUDENTS ACHIVEMENTS

### VTU Rank Holders-2020-2024 BATCH



**CSE- 4<sup>th</sup> Rank**



**ISE-8<sup>th</sup> Rank**



**CSE- 10<sup>th</sup> Rank**

- 18 Students secured centum in Mathematics during AY 2023-24
- 1 Student secured centrum in Physics during AY 2023-24

### Co-Curricular Achievements:

STUDENTS ACHIEVEMENTS JAN 2024 TO DEC 2024							
Sl. No	Particulars	CSE	ISE	ECE	ME	MCA	TOTAL
1	Coursera/NPTEL Course Completed	30	175	2	9	87	303
2	Paper Published	14	20	5	2	--	41
3	Best Paper Award	0	0	0	1	--	1
4	Patent	0	7	0	--	--	7
5	Internships Completed	134	130	10	--	105	379
6	Training Undergone	6	0	23	--	8	37
7	Hackathon/Competitions	3	13	8	--	3	27
<b>TOTAL</b>							<b>795</b>



### VTU TECHNICAL FEST-YUKTI 2K24- PAPER PRESENTATION WINNERS

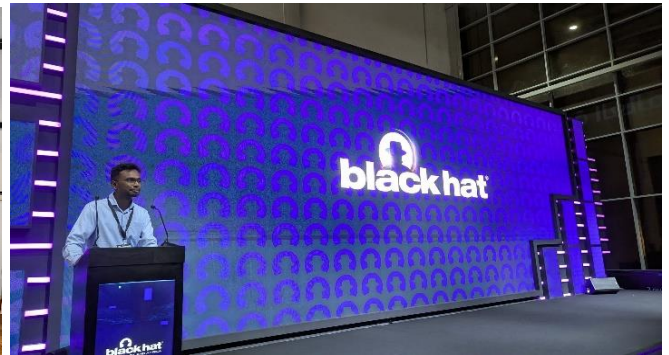


Representing our college at the E-Summit hosted by IIT Bombay



1st Prize in Line Follower Robot Competition in QuantumX-24





### Extra-Curricular Achievements:





## SPORTS ACHIEVEMENTS:



**Gold Medal in State Level Championship**



**Gold and Bronze Medals in State Level Swimming**



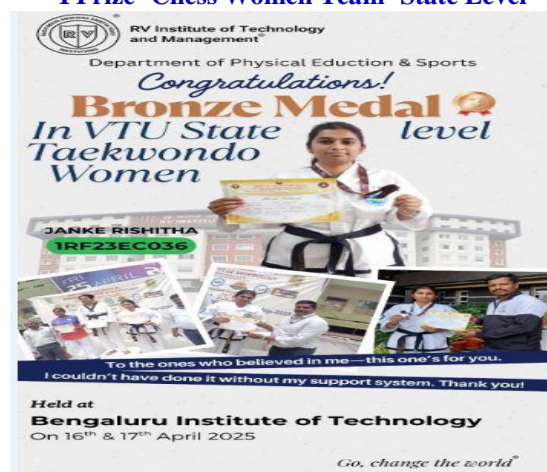
**Bronze Medal in Taekwondo Competition**



**I Prize- Chess Women Team- State Level**



**Selected for All India Level Chess Tournament**



**Bronze Medal- Taekwondo Women**

## NCC ACHIEVEMENTS:



**NCC Cadet receiving CM Commendation Card**



**NCC cadet selected for Republic Day Camp, Delhi**