

Recognized by : UGC Approved by : AICTE, New Delhi

Bihar, Vaishali AN AISECT GROUP UNIVERSITY

BE THE CHANGE

# ANNUAL REPORT 2023-2024

evrubihar.ac.in 🖂 info@cvrubihar.ac.in

INI



#### Recognized by : UGC Approved by : AICTE, New Delhi

# ANNUAL REPORT 2023-2024



This Annual report contains the untiring efforts made by Dr. C.V. Raman University towards creating infrastructure capacity, effective administration, and state of the art facilities for the students, incorporating new innovative programs for techno – intellectual-spiritual development of young generation and strengthening our faculty members to open new avenues of learning. It highlights the continuous efforts made by the University in the wake of availability of new technologies and global paradigm shift in the filed of education.

# **CONTENTS**

#### **MESSAGE'S & ABOUT THE VAISHALI**

Visitor's Message	
Chancellor's Message	
Vice Chancellor's Message	
Pro. Vice-Chancellor's Message	
Registrar's Message	

About The Vaishali

AISE	CT & DR. C.V. RAMAN UNIVERSITY	
2.1	Aisect: The Sponsoring Body	9
2.2	About Dr. C.V. Raman University	9 10
2.3	Mission & Vision	
2.4	Dr. C.V. Raman University:- Location	11
2.5	Key Functionaries	11
	Dr. C.V. Raman University The Governing Body	12
	Dr. C.V. Raman UniversityAcademic &	13
	Management Bodies	14



#### **ASSETS & FACILITIES**

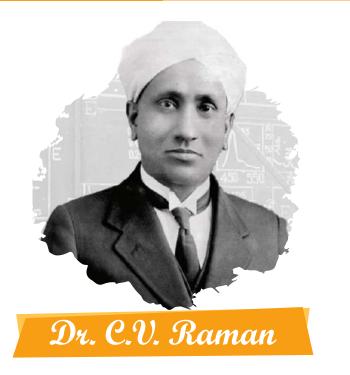
3.1	Fixed Assets	21
3.2	LabDescription	22
3.3	Library	23
3.4	Medical Support	24
3.5	Transport Facilities	24
3.6	Canteen	
3.7	Financial Assistance	24
3.8	Training & Placement Department	25
3.9	Examination Cell	30

#### FACULTIES & FUNCTIONARIES

FAU	ULTIES & FUNCTIONARIES	37
4.1	Faculties and Functionaries	37
4.2	Programmes & Courses Overview (2022-23)	• •
	Faculty of Commerce & Management	38
	Faculty of Science	38
	Faculty of Engineering	38
	Faculty of CS & IT	39
		0.
4.7	Faculty of Arts & Humanities	39

4.8 Academic Coordination

05	ACADEMICS 5.1 Teaching Learning Process 5.2 Seminar and Workshop	43 44
06	<b>RESEARCH &amp; SKILL</b> 6.1 Research & Development Activities 6.2 Research Papers	57 58
07	<ul> <li>CENTRE OF RESEARCH EXCELLENCE</li> <li>7.1 Centre for Science</li> <li>7.2 Centre for Renewable Energy</li> <li>7.3 Centre for Startup &amp; Incubation</li> <li>7.4 Centre for IOT &amp; Advance Computing</li> <li>7.5 Centre for IQAC Cell</li> </ul>	65 66 66 67 68
08	<ul> <li>BEYOND THE CURRICULUM</li> <li>8.1 Vishwarang</li> <li>8.2 NCC, NSS &amp; Dr. C.V. Raman University's Social Responsibility Centre for Science</li> </ul>	73 74
09	Press Release	82



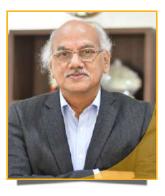
The Indian scientists were awarded the Nobel Prize in Physics in 1930 for discovering the Raman Effect. Every year, National Science Day is celebrated to commemorate discovery of the "Raman Effect" on February 28. Sir C.V. Raman said "You our young men come to the Universities and live them to the face the world-a-world which may seem to be an unsympathetic harsh world. I would like to tell the young men and women before me not to lose hope and courage. Success can only come to you by courageous devotion to the task lying in front of you, and there is nothing worth in this world that can come without sweat of our brow. We have abundant human material in India. Speaking as a teacher of twenty-four years of experience, I can assert, without fear of contradiction, that the quality of Indian mind is equal to the quality of any Teutonic Nordic or Anglo Saxon mind. What we lack is perhaps courage, what we lack is perhaps the driving force which takes one anywhere. You can't always choose who comes into your life but you can learn what lesson they teach you, success can come to you by courageous devotion to the task lying in front of you.



# SECTION-01

- Visitor's Message
- Chancellor's Message
- Vice Chancellor's Message
- Pro. Vice-Chancellor's Message
- Registrar's Message
- About The Vaishali





#### Visitor's Message

It gives me immense pleasure in presenting the Annual Report for the session 2023-24 of Dr. C. V. Raman University which is emerging as an education hub in Bihar.

Established by AISECT group, the sponsoring body, the university was named after the first Nobel laureate of the country, Dr. C. V. Raman University. Located over vast area of 35 acres, the University has redefined the perception of Higher education in terms of its quality and accessibility. It is seeking new vistas of wisdom & knowledge to stand out distinctly apart.

As the Visitor of the university, it is my proud privilege to mention that CVRU team has not spare any effort in transforming our institute into a global educational hub, which has carved niche for itself. We aspire to be a cutting-edge university by anticipating the needs of future and meet them by creating an environment that supports teaching, learning & research.

As India marches towards becoming a developed nation with 540 million youths in the country, becomes increasingly important. So with quality education being imparted of thousands of students in CVRU, our principle goal is to develop a new cadre of confident, capable & cultured professionals who are fully evolved in terms of sets & thus, are work-ready from the day of inception which is reflected by the confidence reposed by its ever growing student community.

This report provides a deep insight into our educational activities, effective administration state of the art facilities & initiatives that the university has undertaken in the year 2023-24. A continuous interface between university and industry has created a strong network with corporate world and student centric activities like project, internship & resulting placement have been the key achievements of career counseling & placement cell. The university encourages the students to participate in Extra-curricular activities like music, dance, debate etc.

The vice chancellor, Registrar, entire group of faculty members & other support employees also deserve appreciation for their diligence and dedication in strengthening the University. I am sure that university will advance future achievements and contribute future in the progress of Bihar state and region.

> Mr. Santosh Choubey Visitor Dr. C.V. Raman University Vaishali, Bihar



#### Chancellor's Message

The Annual Report of any university is like a mirror which reflects a true image of not only the progress that the University has made against the set long term and short term goals, but it also provides a complete picture of people, plans, processes and achievements of the organization with its culture, class, and capabilities. I consider it to be my great privilege to release the Annual Report 2023-24 for Dr C. V. Raman University, Vaishali. The university was established in 2018 and within a short period of two years it has carved a niche for quality education and meaningful research in entire Bihar and has emerged as the most sought after premier institute. It's two years journey is dotted with many milestones of success and highs of achievements. From the inception, the university focused on providing holistic development to the students through guality education, large number of extracurricular and co curricular activities, meaningful research projects, social activities, sporting events and cultural programs. During the last two years, heavy investments were made in equipping labs with state-of-the-art resources in terms of machines, tools and hardware and software systems. The library was stocked with huge number of latest books and journals in print and e-versions. The world class resources build during last two years became very helpful in continuing teaching- learning process, effectively through online system, when the entire world was hit by Covid-19 pandemic in February 2020. The online education facility has matured nicely during last about five months and Dr CV Raman University is one of the few universities who can boast of quality online education and examination system working successfully. The university is fully abreast with the needs of new programs and courses. For academic year 2023-24 some new departments and faculties will be added to extend further from existing six faculties and twenty three departments.

The biggest asset the University possesses is the army of highly qualified and experienced teaching and supporting staff, which is fully dedicated, motivated and hardworking. Under their strict supervision and guidance, students are groomed with holistic approach for overall development to excel not only in academics research and social connect but also in cultural, sporting and other extra-curricular activities. Many value addition courses have been introduced by the expert faculty in the University. This initiative is paying very rich dividend in terms of preparing the students gainfully for jobs and self employment. The Vice Chancellor, Pro Vice Chancellor, Registrar and HODs/ Deans have provided excellent leadership to the faculties and students to excel in every field of activities.

The zeal and commitment with which the staff and students are marching will certainly bring new laurels to the University incoming years. I congratulate the Vice-Chancellor the Pro VC, Registrar and entire teaching and non-teaching staff of the University for Excellent Performance.

Mr. Arvind Chaturvedi

Chancellor Dr. C.V. Raman University, Vaishali, Bihar



#### Vice Chancellor's Message

Dr. C. V. Raman University, Vaishali, Bihar was established in the rural area to cater the need of quality education to the students of middle and low income group classes, with an objective to make the holistic development of the students not only in the traditional education but also in cultural, environmental, moral sand ethnic values, community engagements including their participations in indoor/outdoor sports, NCC, NSS and other co-curricular activities like arts and literature.

The aim of the university is to cultivate the crop of the trained youth through apprentice and entrepreneurship oriented coursesto make them self-reliant and give their best contribution in the economy of the country.

The New Education Policy is also being implemented in phases like multidisciplinary curriculum, multi exit and entry, choices of major and minor subjects, promoting cultural heritage. The university has also started vocational education, skill based courses, school of digital learning and certificate courses in foreign language, Jainism and Buddhism.

Scientific research, patents is the priority concern of the university, for which the wellequipped laboratories, digital classroom and faculty development programs are held time to time.

The Centers of Excellence are also developed in the campus especially in Agricultural research and Energy Park.

We have faculties of engineering, Arts and humanities, commerce and management, faculty of Science, faculty of Computer Science &IT.

The progress of the university is evident from the achievements of the students in various fields which are in progressive trend every year.

Dr. M.L Gaur Vice-Chancellor, Dr. C.V. Raman University Vaishali, Bihar



### Pro-Vice Chancellor's Message

As we reach the conclusion of the academic year 2023-24, I am honoured to present this Annual Report for Dr. C.V. Raman University, Bihar. This report is a testament to our unwavering commitment to academic excellence, innovative research, and the holistic development of our students.

The past year has been remarkable in many ways, as we have embraced new challenges and opportunities that have come our way. We have witnessed a substantial growth in our academic programs, with new courses and curricula designed to meet the evolving needs of the job market and society. Our faculty members have been at the forefront, demonstrating exceptional dedication to teaching and mentoring, thereby enhancing the learning experience for our students.

Research and innovation have also been significant focal points for us this year. Our faculty and students have engaged in ground-breaking research, contributing valuable knowledge across various disciplines. We have strengthened our research facilities and collaborations with other institutions and industries, fostering an environment where creativity and inquiry thrive. Our commitment to nurturing not just academically proficient individuals but well-rounded citizens is reflected in our extensive extracurricular activities, community outreach programs, and initiatives aimed at promoting social responsibility. We believe in preparing our students to become leaders who can address the complex challenges of our world. In addition, we have made significant strides in enhancing our infrastructure and adopting advanced technologies to facilitate effective learning. Our efforts to promote a sustainable and inclusive campus environment have been ongoing, ensuring that every member of our university community feels valued and empowered.

As we move forward, I would like to extend my heartfelt gratitude to our dedicated faculty, staff, students, and stakeholders whose contributions have made this year's successes possible. Together, we have created a vibrant academic community that exemplifies the spirit of Dr. C.V. Raman University.

Let us continue to build on our achievements, inspire each other, and strive for excellence in all our endeavours. I am excited about what lies ahead and confident that we will achieve even greater heights in the coming years.

#### Dr. Basant Kumar Singh

Pro.Vice-Chancellor Dr. C.V. Raman University, Vaishali, Bihar



#### Registrar's Message

It gives me immense pleasure to present the Annual Report for the academic year 2023-24, encapsulating the remarkable achievements, growth, and milestones of Dr. C.V. Raman University. This report is a testament to the collective efforts and dedication of our faculty, staff, and students who have worked tirelessly to uphold our legacy of academic excellence and societal contribution.

The past year has witnessed transformative initiatives aimed at fostering an environment of innovation, inclusivity, and interdisciplinary learning. From achieving significant academic milestones to embracing cutting-edge research and technology, we have remained steadfast in our commitment to holistic education. Our outreach programs, cultural and extracurricular activities, and partnerships with industries and institutions have further enriched the learning experience and contributed to community development.

I extend my heartfelt gratitude to the leadership team, faculty members, administrative staff, and students for their unwavering support and enthusiasm in realizing the university's vision. I also acknowledge the support of our stakeholders and well-wishers, whose trust and encouragement continue to inspire us to reach greater heights.

As we reflect on the achievements of 2023-24, we also renew our resolve to face future challenges with determination and innovation. Let this annual report serve as a source of inspiration and a roadmap for the journey ahead.

#### Dr. Birjesh Singh

Registrar Dr. C.V. Raman University, Vaishali, Bihar



About

# The Vaishali

Vaishali, a district in Bihar, holds a prestigious place in history as one of the greatest cities of the 5th century BC. Renowned for being the world's first republic, it established a duly elected assembly of representatives and an efficient administrative system, showcasing early democratic ideals.

This ancient city is also significant as the birthplace of Lord Mahavira, the founder of Jainism. Additionally, it is where Gautama Buddha spent the last days of his life, further enriching its spiritual heritage.

The Industrial Area in Hajipur, the headquarters of Vaishali, provides excellent industrial exposure for the students of Dr. C.V. Raman University. This proximity to industry enhances educational opportunities, preparing students for diverse career paths.

Among the major attractions in and around Vaishali are the Ashoka Pillar, a symbol of Mauryan heritage; the Bawan Pokhar Temple, known for its stunning architecture; and the three Buddhist stupas, which are important pilgrimage sites for Buddhists worldwide. These landmarks not only reflect the rich cultural and historical tapestry of the region but also draw visitors from near and far.

In summary, Vaishali is a vibrant blend of history, spirituality, and modern industrial growth, making it a unique destination in Bihar.



## SECTION-02

- 2.1 AISECT The Sponsoring Body
- 2.2 About Dr. C.V. Raman University
- 2.3 Mission & Vision
- 2.4 Dr. C.V. Raman University Location
- 2.5 Key Functionaries
- 2.6 Dr. C.V. Raman University The Governing Body
- 2.7 Dr. C.V. Raman University Academic & Management Bodies



#### 2.1 AISECT- The Sponsoring Body

AISECT is India's leading Social Enterprise working in the areas of Skill Development, Higher Education, Financial Inclusion, e-Governance and other ICT-based services, to bring about an inclusive change in the semi-urban and rural areas of the country. Established in 1985, the Bhopal-headquartered organization has been tirelessly working to reach the remotest corners of the country to empower people through education, generate employment for the youth and nurture to realize entrepreneurial dreams.

AISECT is recognised as India's leading skill development, training, and education services provider, with an unrivalled and robust network of over 37,500 centres across 28 states and five Union Territories. A recipient of several national and international awards, AISECT has transformed the lives **of over 2 million students**, through a host of skill development programs. It has imparted skills-based training to over **26 lakh** people, created employment opportunities with in the network for more than **1,00,000 people** and empowered the lives of over **50 lakh people** through various innovative products and services. AISECT has also expanded its reach in international markets and has set up offices and training centers in Ghana and UAE.

AISECT has partnered with the NSDC to offer skills-based training to **16 lakh youth by 2029.** Under this partnership, **25 vocational training** academies have been set up that offer over **150 low-cost, high-quality** University certified certificate and diploma courses. AISECT is an affiliated partner agency of **12 Central Ministries** and executes various National & State level schemes like DDUGKY, PMKVY and has partnered with **15 State Skill Development Mission (SSDM)**, providing vocational education in 1600+ government schools of **18 states.** AISECT has also joined hands with **25 Sector** Skill Councils (SSC's) to develop relevant training modules in association with industry experts and so far has developed modules for 100+ Job Roles as per the QP-NOS based curriculum. One of our biggest achievements have been the successful and sustainable expansion of the AISECT Multipurpose Centre in Rural Areas model to over 20,000 centres.

The AISECT Group of Universities has established six premier universities at locations that were in dire need of a quality higher education ecosystem. These include Dr. C.V. Raman University in Kota, Bilaspur (Chhattisgarh), Rabindranath Tagore University in Bhopal (Madhya Pradesh), AISECT University in Hazaribag (Jharkhand), Dr. C.V. Raman University in Vaishali (Bihar), Dr. C.V. Raman University in Khandwa (Madhya Pradesh), Scope Global Skills (SGS) University in Bhopal (Madhya Pradesh) AISECT is offering over **2,000** free online courses through its MOOC platform, study.aisectonline.com. The platform offers courses in higher education, skill and vocational education subjects, as well as courses on school curriculum.

AISECT Learn is a future-ready e-learning platform designed for upskilling & knowledge building that enables learners to master in-demand, industry-ready skills, delivered in Hindi & English languages. The learning modules of AISECT Learn are aligned with the government's NEP, offering 1,000+ courses across 80+ categories, incorporating soft skills & placement training in all the courses we deliver.

Under financial inclusion scheme, through its **7200** kiosks AISECT works as a National Business Correspondent for Six nationalized banks and One Regional Rural Bank and One payment bank.

#### 2.1 2.2 About- Dr. C.V. Raman University

Dr. C.V. Raman University has been established in the year 2018 located in Bhagwanpur, Vaishali, Bihar. It is one of the best private university in India and first Private University in the state of North Bihar, which is dedicated to achieve excellence in education and research in multi disciplines with its aim to develop the technical as well as professional skills of students.

The University is recognized by UGC and AICTE, Delhi. The university has its own building having professionally designed with modern technique having its different department located in various areas. The developed infrastructure having 80 modern classrooms with facility for conducting smart classes with a seating capacity of approximately 1600 students of various disciplines. The university has its developed 05 nos computer lab to impart training facilities for providing separate computer to approximately one thousand students at a time.

#### Currently it is working with Six Faculties:-

- Faculty of Engineering & Technology:- B.Tech (ME, CE, CSE, ECE and EE), DIPLOMA PDE (Mechanical Engineering, Civil Engineering, Electrical Engineering & Agriculture Engineering)
- Faculty of Commerce and Management:- B.Com (Hons), BBA, M. Com, MBA.
- · Faculty of Arts & Humanities: BA (Hons), MA, B.Lib, M.Lib, MSW, Yoga
- Faculty of Science:- B.Sc. (Hons) M. Sc. (Hons), B.Sc. Hons (Ag), Diploma (AG)
- Faculty of Computer Science & IT:- DCA, BCA, B. Sc. (IT) PGDCA, M.Sc. (IT)

In addition to it, the University has its own separate Physics Lab, Chemistry Lab,

Electrical Engineering Lab, Machine shop Lab, and Civil Engineering Lab, Soil testing Lab, boiler as well as Refrigeration and Air Conditioning Lab, Hydraulics and Instrumentation Lab, Electronics Engineering Lab etc. is located in different parts of the university campus.

The university has highly qualified and experienced faculties attaining requisite and desirable qualifications to meet all the parameters as decided by university grant commission and various regulatory Bodies.

The teachers are dedicated to provide the best education to teach every student taking in to account the students having difficulties in the main class they are being covered during tutorial classes.

#### 2.3 Mission & Vision

#### Mission

Our mission is to direct our focus on engaging students in their interest specific ideologies and shape their ideas and aptitude to develop a spirit of expertise in them. Therefore, we focus on structuring their overall development.

Vision

- To present a strong and significant scope of platform for them to perform.
- To serve a plethora of industry bigwigs and prepare the students to be placement friendly.
- To imbibe overall skills for students' comprehensive development.
- · To recognize the potential of each student and nurture their capabilities.
- · To maintain the idea of sustainable development.
- To be regarded as a living experience of learning

#### 2.4 Dr. C.V. Raman University Location

Dr. C.V. Raman University is located at Bhagwanpur Block of Vaishali District of Bihar. It is situated near NH-22 (Patna-Muzaffarpur Highway) of Bihar. Through railway and roadways students can approach University Campus.



### 2.5 Key Functionaries



#### 2.6 Dr. C.V. Raman University The Governing Body

The Governing Body of Dr. C.V. Raman University is the principle authority responsible to lay– down, review and approves policies regarding the operation of university. It has the controlling power to review decisions made by other authorities, examine and approve budgetary proposals and monitor progress. Notification for Governing Body of Dr. C.V Raman University came up on 11 May 2018 and periodic meetings have been held as per ordinance since then. The Governing Body has been effectively discharging the duties. In the meeting it appreciated efforts put in by the faculty and staff to help university emerge as a brand name for the quality education, skill development and research:

#### Governing Body of Dr. C. V. Raman University, Vaishali, (Bihar)

S.No.	Name	Designation	Position
1	Prof. Arvind Chaturvedi	Chancellor	Chairman
2	Dr. M.L. Gaur	Vice Chancellor	Member
3	Shri Siddhartha Chaturvedi	Visitor Representative	Member
4	Shri Nitin Vats	Visitor Representative	Membe
5	Ms. Pushpa Asiwal	Visitor Representative	Member
6	Dr. Vijay Singh (Educationist)	State Govt. Nominee	Member
7	Dr. R. N. Yadav (Educationist)	Sponsoring Body Nominee	Member
8	Shri Abhishek Pandit	Sponsoring Body Nominee	Member
9	Shri Mayank Saxena	Sponsoring Body Nominee	Member
10	Dr. Birjesh Singh	Registrar	Member Secretary

#### 2.7 Dr. C.V Raman University Academic & Management Bodies

#### 2.7.1 Board of Management

The Board of Management of Dr. C.V. Raman University is the apex body to plan monitor and control activities of the University Including Academics, Finance, Accounts and annual/supplementary budgets etc. after due approval/consent of Governing Body. Following is the composition of Board of Management for Dr. C.V. Raman University

S.No.	Name	Designation	Member/Capacity
1	Dr. M.L. Gaur	Vice Chancellor	Chairman
2	Dr. Vijay Singh	Governing Body Nominee	Member
3	Dr. Sitesh Kumar Sinha	Governing Body Nominee	Member
4	Dr. Basant Kumar Singh	Sponsoring Body Nominee	Member
5	Shri Ambrish Jha	Sponsoring Body Nominee	Member
6	Mr. Amrish Kumar Singh	Sponsoring Body Nominee	Member
7	Dr. Dharmendra Singh	Vice Chancellor Nominee	Member
8	Dr. Birjesh Singh	Registrar	Member Secretary

#### 2.7.2 Academic Council

Academic Council of Dr. C.V. Raman University is the supreme academic body which plans, coordinates and exercises general supervision over academic activities of the university. The sphere of its control includes syllabus, teaching learning mechanism, research and extension, scholarship and research supervision etc. following is the composition of Academic Council of Dr. C.V. Raman University.

S.No.	Name	Designation
1	Dr. M.L. Gaur	Vice Chancellor
2	Dr. Basant Kumar Singh	Pro. Vice Chancellor
3	Dr. Amrish Kumar Singh	Dean Student Welfare
4	Dr. Dharmendra Kumar Singh	Dean Academics
5	Prof. Manoj Sharma	H.O.D (Arts & Humanities)
6	Prof. Pankaj Kumar Singh	H.O.D (Commerce & Management)
7	Dr. Santosh Kumar	H.O.D (life Science)
8	Dr. Shushil Kumar Jamariar	H.O.D (Physical Science)
9	Prof. Sanjeet Kumar	H.O.D (Mechanical Engineering)
10	Prof. Shantnu	H.O.D (Civil Engineering)
11	Prof. Kripa Shankar	H.O.D (Electrical & Electronics Engineering)
12	Prof. Deepak Kumar	H.O.D (Computer Science & Engineering, CS & IT)
13	Dr. Rajiv Ranjan	H.O.D (Vocational Education)
14	Dr. Birjesh Singh	Registrar

#### Scientist/ Educationist/Technologist/Industries Nomination By Chancellor

- Dr. Sanjeev Gupta
   Dr. Sitesh Kumar Sinha
   Dr. M.P. Singh
   Mr. Indrnil Gosh
   Dr. S.P. Singh
- Dean Academics, RNTU Registrar Scope Global Skill University NIT, Patna STL Industrialist Scientist Pusha Agriculture

#### 2.7.3 Board of Studies

#### **Board of Studies Computer Application**

S.No.	Name	Designation	Member/Capacity
1	Mr. Deepak Kumar	HOD	Chairperson
2	Mr. Deepak Kumar Singh	Assistant Professor	Member
3	Mr. Ashutosh Ranjan	Assistant Professor	Member
4	Mrs. Khushboo Bharti Thakur	Assistant Professor	Member
5	Mr. Monesh Kumar	Assistant Registrar (Academic)	Member
6	Dr. M.P. Singh	Professor	Member
7	Mr. Vinod Sharma	Assistant Professor	Member

#### **Board of Studies of Physical Science**

S.No.	Name	Designation	Department	Member/Capacity
1	Dr. Basant Kumar Singh	Pro-V.C	Mathematics	Chairperson
2	Dr. Birjesh Singh	Registrar	Chemistry	Member
3	Dr. Sushil KumarJamariar	Assistant Professor	Mathematics	Member
4	Dr. Surendra Kumar	Assistant Professor	Chemistry	Member
5	Dr. Randhir Kumar	Assistant Professor	Physics	Member
6	Miss. Nidhi Chiraniya	Assistant Professor	Zoology	Member
7	Dr. Bharti Saxena	Associate Professor	Mathematics	Member
8	Dr. Nitesh Kumar	Professor	Mathematics	Member

#### **Board of Studies of Life Science**

S.No.	Name	Designation	Department	Member/Capacity
1	Dr. Santosh Kumar	Assistant Professor	Agriculture	Chairperson
2	Mr. Pradeep Kumar	Assistant Professor	Agriculture	Member
3	Mr. Amit Kumar Patel	Assistant Professor	Agriculture	Member
4	Mr. Nand Lal Singh	Assistant Professor	Agriculture	Member
5	Mr. Ankush Kumar Singh	Assistant Professor	Agriculture	Member
6	Dr. Santosh kumar	Assistant Professor	Agriculture	Member
7	Dr. Anil Kumar Singh	Assistant Professor	Chemistry	Member
8	Dr. Sheetal Gulati	Assistant Professor	Chemistry	Member

#### **Board of Studies of Arts and Humanities**

S.No.	Name	Designation	Department	Member/Capacity
1	Mr. Manoj Kumar	Assistant Professor	Economics	Chairperson
2	Dr. Binod Kumar Sharma	Assistant Professor	Hindi	Member
3	Mr. Abhishek Kumar	Assistant Professor	Geography	Member
4	Mr. Sourabh Kumar	Assistant Professor	Sociology	Member
5	Mis Shivangi	Assistant Professor	English	Member
6	Mr. Himalay Raj	Assistant Professor	History	Member
7	Dr. Ritu Kumaran	Assistant Professor	English	Member
8	Dr. Ila Roy	Ex-Principal	English	Member

#### **Board of Studies of Commerce and Management**

S.No.	Name	Designation	Member/Capacity
1	Mr. Pankaj Kumar Singh	HOD	Chairman
2	Mrs. Lovely Anand	Assistant Professor	Member
3	Mrs. Rinku Rai	Assistant Professor	Member
4	Dr Akanksha	Assistant Professor	Member
5	Miss. Binny Rani	Assistant Professor	Member
6	Dr. Rajesh Kumar Raju	Assistant Professor	Member
7	Dr. L. P. Singh	Retired Prof. & Head	Member
8	Prof Nitin Modh	Professor	Member

#### **Board of Studies of Computer Science Engineering**

S.No.	Name	Designation	Member/Capacity
1.	Mr. Deepak Kumar	HOD	Chairperson
2	Mr. Nitesh Kumar	Assistant Professor	Member
3	Mr. Ashutosh Ranjan	Assistant Professor	Member
4	Mrs. Khushboo Bharti Thakur	Assistant Professor	Member
5	Mr. Monesh Kumar	Assistant Registrar (Academic)	Member
6	Dr. Sitesh Kumar Sinha	Registrar	Member
7	Dr. Mukesh Kumar	Assistant Professor	Member

# **Board of Studies of Electrical Engineering and Electronics & Communication Engineering**

S.No.	Name	Designation	Member/Capacity
1	Mr. Kripa Shanker	HOD	Chairperson
2	Dr. Dharmendra Kumar Singh	Professor	Member
3	Mr. Amrish Kumar Singh	Assistant Professor	Member
4	Dr. Rajeev Ranjan Kumar	Associate Professor	Member
5	Miss. Pallavi Sahay	Assistant Professor	Member
6	Mr. Avinash Kumar Singh	Assistant Professor	Member
7.	Mr. Vikash Kumar	Assistant Professor	Member
8	Mr. Vikash Kumar Singh	Assistant Professor	Member
9	Dr. Sanjeev Gupta	Professor	Member
10	Mr. Balram Yadav	Assistant Professor	Member

#### **Board of Studies of Civil Engineering**

S.No.	Name	Designation	Member/Capacity
1	Mr. Shantnu	HOD	Chairperson
2	Mr. Abhishek Shukla	Assistant Professor	Member
3	Mr. Tanveer Alam	Assistant Professor	Member
4	Mr. Onkar Sharad	Assistant Professor	Member
5	Mr. Chandan Kumar	Assistant Professor	Member
6	Dr. Kapil Soni	HOD	Member
7	Dr. Salini Yadav	Assistant Professor	Member

### **Board of Studies of Computer Mechanical Engineering**

S.No.	Name	Designation	Member/Capacity
1	Mr. Sanjeet Kumar	HOD	Chairperson
2	Mr. Anand Kumar	Assistant Professor	Member
3	Mr. Ankit Kumar	Assistant Professor	Member
4	Mr. Rishu Kumar	Assistant Professor	Member
5	Mr. Abhay Kumar	Assistant Professor	Member
6	Mr. Brajesh Kumar	Assistant Professor	Member
7	Mr. Pentar Kumar	Assistant Professor	Member
8	Mr. Raushan Kumar	Assistant Professor	Member
9	Dr. Vinay Yadav	Professor	Member
10	Dr. Anurag Kulshrestha	Professor	Member

# SECTION-03 — ASSETS & FACULTIES

- 3.1 Fixed Assets
- 3.2 Lab Description
- 3.3 Central library
- 3.4 Medical Support
- 3.5 Transport Facilities
- 3.6 Cafeteria & Mess
- 3.7 Financial Assistance
- 3.8 Examination cell
- 3.9 Training & Placement Cell



#### **3.1 Fixed Assets**

#### Land & Construction

35 Acres of land with boundary wall around it forms the university campus.

#### **Building Block**

Different building blocks in modular style have skillfully designed to facilitate. Independent functioning of each department/faculty in separate blocks yet conveniently connected to each other.

S. No.	Particulars	Area in Sq. Ft
1	Block-A	72,000
2	Block-B	72,000
3	Sports Ground	1,80,000
4	Assembly Ground	80,000
5	Land for Agricultural Research	70,00,00

#### **Academic Accommodation Report**

S. No.	Entity	Quantity
1	Classrooms, Tutorials	37
2	Workshop	2
3	Computer Lab, Language Lab	7
4	Conference Hall	2
5	MeetingRoom	2
6	Faculty HOD Rooms Cabins	11
7	Sports Room	1

#### 3.2 Lab Description

The laboratories / workshops are fully equipped with complete set of latest Equipments and tools. During the academic period 2022-23, laboratories has spent Rs 25,11,000 for facilitate the students of University.

S.No.	Department/Fac	uilty	Lab Name
1	Science		Physics Lab Chemistry Lab Botnay Lab Zoology Lab Environmental Lab
2	Agriculture		Agronomy + Soil Science Plant Pathology + Microbiology Project lab (Museum) Entomology Genetics and Plant Breeding + Bio-Chemistry + Ag. Engineering Horticulture + Animal Husbandry
	B.Tech	Mechanical	Workshop Engineering, Mechanics Lab, Basic Mechanical Engineering Lab, EG & CAD Lab, TOM, SOM, MP, FM, ICE, DOM, HMT lab
3		Civil	Strength of material, Fluid mechanics Building material and construction Surveying Advance survey Engineering geology Transportation engineering , Soil mechanics Structure analysis
		CSE	Computer Lab, Language Lab
		ECE	Network Analysis, EDC, Signal and System, IC, Communication Lab, House Writing, Antenna wave Propagation
		EE	BEE lab, EM, Analog Electronics, EMI, Microprocessor, Microcontroller, Digital Electronics

#### **3.3 Library**

Library continued its support for academic & research activities of the university by providing various types of resources in the form of printed book, Journals, magazine, e-Book, e-journal and printed media also. Library has become a knowledge hub for students. All activities including acquisition, cataloging, circulation and stock verification is fully computerized. Total seating capacity of library is 109 at the time. During academic period 2022-23, library has spent Rs 2,35,000 for facilitate the students of university. Library is managed by Prof. Farha Khan (HOD of Library Science) with supporting staff.

S.No.	Items	Quantity
1	Total No. of Books	16076
2	Total No. of Journals	15
3	Total No. of E-books	10839
4	Total No. of E-Journals	5000+
5	Multimedia PC	12

#### **Software Package For Library**

The software SOUL 3.0 is the heart of computerization of any Library that ensures efficient and effective operation. It has well equipped e-Library as well as software. The prime objective of DELNET as to promote resource sharing among the libraries through the development of a network of libraries.

For the automization of library, University is using Koha. It is a true enterprise-class ILS with comprehensive functionality including basic and advanced options. Koha includes modules for acquisitions, Circulation, cataloging, serials management, authorities, flexible reporting, label printing, multi-format notices, offline circulation for when internet access is not available, and much more.

#### **Hostel Facilities**

Hostels are available for the boys and girls candidates near the university campus which is run by the outsider in consultancy with university officials. All the basic needs of a student like hygienic food clean drinking water and healthy environment is provided by the owner of hostels. The hostels provide 24hrs water supply and a generator to ensure constant power supply in the hostel premises. Neat and tidy upkeep of the hostel rooms is the responsibility of the students. Hostel accommodation is provided to the students as per his/her preferences during the process of admission.

#### **3.4 Medical Support**

In the university campus, a first aid room is available if any staffs or students get a minor injury than he will be treated in the first aid room. Also the university is located near the block Hospital of Bhagwanpur, which is 2 km away from the university campus and many reputed private hospital are also available under the 15km of university campus. so any critical case is referred to the hospital with the help of university transportation facilities. Manpower engaged is covered under employee's state Insurance scheme which is managed by the manpower supply agencies.

From medical records, year 2019-20 was a healthy year for the university with zero case of major ailments.

#### **3.5 Transport Facilities**

The bus services are available over 50km radius of the university campus. A nominal fee is collected for the transportation on quarterly basis. Details of the routes and their respective place and timings are available to the transportation In-charge and the bus driver of respective routes. Parents are urged to convince their wards to travel in the university buses only in view of safety issues on the highway. for field trip, sporting events and Industrial visit, transportation facility is made available for the students.

#### 3.6 Canteen

Canteen is often a fond memory of many graduates as it is the place where one catches up with their friends and takes a break. Besides working hard to mould our career, one also needs nutritional refreshment in a comfortable environment. Healthy food is a key in gradient for better concentration. It helps students stay fresh and alert. Canteen services of Dr. C.V. Raman University cater the need of more than 50 inmates at a time.

#### **3.7 Financial Assistance**

Dr. C.V. Raman University, Vaishali, Bihar is registered on the National Scholarship Portal. National Scholarship provides the financial help to the students belongs to General, SC, ST & OBC (Hindu) & Minorities. There are three schemes comes under National Scholarship i.e. Central Schemes, UGC/AICTE Schemes and State Schemes. During the session 2023-24, twenty three minority students filled the scholarship form in which sixteen students have been benefited with scholarship money. The girls candidates who completed their graduation are provided Rs 25000 under the Mukhyamantri Kanya Utthan Yojna of Bihar Government. Our scholarship department is providing the best services for the same.

#### **3.8 Training & Placement Department**

The Training & Placement Cell is an integral part of Dr. C. V. Raman University the University is fully invested in providing sound infrastructure & human resources to maintain the Training and Placement Cell The prime objective of the cell is to provide training & placement to University students.

It is headed by the placement officer, Prof. Sanjeet Kumar

#### Aim

- > To provide training at all levels to improve the quality of the students to provide environment where each and every students can perform their academic activities.
- > To provide 100% placement to our students.
- > To provide the suitable job to every student according to their capability and skills.

Name of the Institution	No of pass out candidates (All course)	No. of Students given consent for Placement Assistance	No. of Placed Candidates (All Course)	Placement Percentage	Average Package
B. Tech	104	90	66	73	3 Lakh Per Year
Diploma	196	160	136	85	2.3 Lakh Per Year
B.Sc Agriculture	126	101	62	61.3	2.4 Lakh Per Year
Commerce & Management	144	77	47	61	2.6 Lakh Per Year
CS & IT	38	29	19	65.5	2.3 Lakh Per Year
Science	25	15	06	40	2.2 Lakh Per Year
Arts	89	40	16	40	2.2 Lakh Per Year
MSW	13	09	05	55.55	2.1 Lakh Per Year

#### Placement Details 2023-24

#### 3.8.1 Mega Open Job Fair

Job-Fair 2023

Event Details:

Event Name: "Mega Open Job Fair"

Date: March 25, 2022

Venue: Campus of Dr. C.V. Raman University, Vaishali, Bihar

**Convenor:** Mr. Sanjeet Kumar (Head TPO), Mr. Sarvesh kumar Vashudev & Mr. Kripa Shanker (Industry-Academia Cell)

The Training and placement cell of Dr. C. V. Raman University, Vaishali, Bihar organized the "Mega Open Job Fair" on March 25, 2023. Purpose of the Job Fair was to provide an opportunity for jobseekers to meet with employers and understand the job market and employment opportunities in the country. Participation in the Job Fair will ensure the best career choices to the jobseekers, type of work and working environment they should choose. It also provides a platform for employers to gain easy access to talents and job-ready human resources in the country.

The Program started with a welcome address by Mr. Sanjeet Kumar (Training & Placement officer). He welcomed all the dignitaries and HR & officials of different renowned companies with bouquets. Then Registrar, Dr. Brijesh Kumar addressed the students and jobseekers coming from different colleges and universities and told them to get maximum benefit of this mega open Job-Fair.

The dignitaries who graced the occasion were honorable Pro Vice Chancellor Dr. Basant Kumar Singh, Registrar Dr. Brijesh Kumar, Dean Academics Dr. Dharmendra Kumar Singh and AISECT State Head Mr. Ambrish jha.

Four renowned companies have participated in this Job-Fair:

- 1. ICICI Prudential
- 2. Flipkart India Pvt. Ltd.
- 3. Cief Hr Services
- 4. Niit Foundation
- 5. Rada Security Pvt. Ltd
- 6. G-4-S Services

Total 159 plus students have participated in the Job-fair out of which 72 students got placed in different companies. The schedule of the event is mentioned in Appendix-I.



Dignitaries who graced the occasion



Placed Students with their Offer Letter



Enthusiastic Audiences

## List of Placed Participants

S. No.	<b>Placed Participants</b>	Institution/University	Course/Stream
1	Shadab Alktar	Dr. C.V. Raman University, Vaishali, Bihar	CSE
2	Rahul Kumar	Dr. C.V. Raman University, Vaishali, Bihar	CSE
3	Puja Singh	Dr. C.V. Raman University, Vaishali, Bihar	CSE
4	Saurabh Kumar Ray	Dr. C.V. Raman University, Vaishali, Bihar	CSE
5	Saheel kumar yadav	Kaziranga University, Jorhat Assam	E&C
6	Saifa	Patna Sahib College of engineering and technology	CSE
7	Saurabh Kaushik	Dr. C.V. Raman University, Vaishali, Bihar	B.ScIT
8	Niranjan	Dr. C.V. Raman University, Vaishali, Bihar	CSE
9	Rahul	Dr. C.V. Raman University, Vaishali, Bihar	EE
10	Sweety	Dr. C.V. Raman University, Vaishali, Bihar	EE
11	Sonu	Patna Sahib College of engineering and technology	EE
12	Aman	Dr. C.V. Raman University, Vaishali, Bihar	EE
13	Vivek	Dr. C.V. Raman University, Vaishali, Bihar	CSE
14	Abhishek Kumar	Dr. C.V. Raman University, Vaishali, Bihar	BA History
15	Abhishek Kumar	Satyam International Institute of Technology, Gaurichak, Patna-	Diploma Electrical
16	Abhishek Kumar	Dr. C.V. Raman University, Vaishali, Bihar	CSE
17	Aditya Kumar	Symbiosis ITI Kanti, Muzaffarpur	BA Political Science
18	Amit Kumar	Brabu, Muzaffarpur	B.sc Math
19	Anjali Kumar	iDr. C.V. Raman University, Vaishali,Bihar	BA History
20	Anshu Priya Sinha	Satyam international institute of technology gaurichak Patna	Diploma Electrical
21	Arjun Kumar	Amrapali ITI Pvt Ltd	ITI
22	Bittu Kumar	Symbiosis ITI kanti	ITI
23	Deependra Kumar	Dr. C.V. Raman University, Vaishali, Bihar	ITI
24	Devesh Raj	Central private iti ranchi	ITI
25	Kajal Kumari	Dr. C.V. Raman University, Vaishali, Bihar	B.LIB
26	Khushi Kumari	Satyam international Institute of technology gaurichak patna 07	Diploma Electrical
27	Manish Kumar	Asha pvt ITI chakwara hajipur I, vaishali	ITI
28	Manish Kumar	Babasaheb Bhimrao Ambedkar Bihar University muzaffarpur Bihar	B.Sc Chemistry
29	Nitish Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.A Hindi
30	Nitish Kumar	Bseb patna	BA History
31	Puskar Kumar	Aryabhatta knowledge university	B.Tech Civil
32	Rakesh Kumar	Amrapali Private ITI, Khabra	ITI
33	Rohit Kumar	Symbiosis ITI kanti muz.	ITI

34	Sanjeev Kumar Das	Brabu Muzaffarpur	B.Sc Hindi
35	Shivam Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.Tech Electrical
36	Sujeet Kumar Sah	ASHA PVT ITI, Hajipur, Vaishali	ITI
37	Vicky Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.Sc Physics
38	Ranjit Kumar	Dr. C.V. Raman University, Vaishali,Bihar	BA English
39	Niraj Prasad Yadav	Dr. C.V. Raman University, Vaishali, Bihar	B.Com
40	Rishikesh Kumar	Dr. C.V. Raman University, Vaishali,Bihar	B.Sc Chemistry
41	Deepak Sharma	Dr. C.V. Raman University, Vaishali, Bihar	B.Sc Math
42	Satish Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.LIB
43	Avinash Kumar	Dr. C.V. Raman University, Vaishali, Bihar	BA History
44	Vicky Kumar Patel	Sandip University	B.Tech Mechanical
45	Vikash Kumar	Brabu, Muzaffarpur	B.A Hindi
46	Vikash Kumar	BPS Pvt. ITI, Babhni	ITI
47	Vinay Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.Sc Agri
48	Yuvraj Anand	Dr. C.V. Raman University, Vaishali,Bihar	B.Tech Civil
49	Nilesh Kumar	Dr. C.V. Raman University, Vaishali,Bihar	B.Tech Civil
50	Raushan Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.Tech Electrical
51	Jitesh Kumar	Dr. C.V. Raman University, Vaishali, Bihar	BA History
52	Saurabh Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.Sc Physics
53	Amit Kumar	Dr. C.V. Raman University, Vaishali, Bihar	BBA
54	Prince Kumar	Dr. C.V. Raman University, Vaishali, Bihar	BBA
55	Deepak Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.A History
56	Pintu Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.Sc Math
57	Rajnandani Kumari	Dr. C.V. Raman University, Vaishali, Bihar	B.LIB
58	Balmiki Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.Tech
59	Chandani Kumari	Dr. C.V. Raman University, Vaishali, Bihar	B.LIB
60	Ambrish Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.A History
61	Rajeev Kumar	Dr. C.V. Raman University, Vaishali, Bihar	BBA
62	Sundram Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.COM
63	Devendra Kumar	Dr. C.V. Raman University, Vaishali, Bihar	B.COM

#### **Report of Alumni Meet – 2024**

Dr. C. V. Raman University, Vaishali, Bihar, organized its Annual Alumni Meet on 26.02.2024. The event aimed to facilitate, consolidate, and coordinate alumni activities, celebrating the successes and achievements of former students. The gathering took place at the Conference Hall in B-Block on 26th February2024.

Alumni began arriving at the college by 10:00 a.m., where they were warmly received by the registration team and requested to fill out the registration forms. The Alumni Meet commenced with the National Anthem and the lighting of the lamp by all dignitaries, followed by a welcome address from the Registrar and Pro Vice-Chancellor of the university.

Dr. Birjesh Singh, Registrar of Dr. C. V. Raman University, provided a brief overview of the institution's achievements since 2018, highlighting leadership and recent infrastructure developments on the campus. The Chief Guest, Dr. Basant Kumar Singh, Pro Vice-Chancellor of Dr. C. V. Raman University, commended the organizers for the successful execution of the event. He reminisced about the early days of the university and encouraged others to come forward and support current students in need.

Mr. Saifur Rahman, an alumnus of the 2018-22 batch in B.Sc Agriculture and currently the Director of Livestock Birds Breeding Farm, shared his startup success story, emphasizing the importance of hard work, tireless effort, and the continuous support of faculty members and friends. Mr. Rahul Kumar, an alumnus of the 2018-21 batch with a Bachelor of Arts in Political Science and currently working as a Manager in Anil Milk Products Private Ltd., reminisced about his college days and expressed his commitment to supporting present students academically. Miss. Rakiya Nazz Khan, an alumnus of the 2018-22 batch in B.Sc Agriculture and presently working as Assistant Technical Manager in the Bihar Government, shared her experiences and stressed the significance of hard work and consistent effort in achieving success.

Miss. Saloni Priya, an alumnus of the 2018-22 batch in B.Sc Agriculture and presently working as Assistant Technical Manager in the Bihar Government, recalled her college days and emphasized the key role of hard work in achieving success.

Miss Tannu, an alumnus of the 2019-22 batch with a Bachelor of Arts in Political Science and presently working as a Teacher in the Bihar Government, shared nostalgic memories and offered academic support to present students. Miss Megha, an alumnus of the 2018-22 batch in B.Sc Agriculture and presently working as Assistant Technical Manager in the Bihar Government, shared nostalgic memories and encouraged students to study diligently for a better future.

After a small cultural program by students and alumni, a photo session was organized. A delicious lunch was served at the University Campus, followed by a gathering in the Conference Hall for alumni discussions about future activities in 2025.

Special awards were presented: Alumnus of the Year Award to Mr. Rahul Kumar by Dr. Brijesh Singh, Registrar, Dr. C. V. Raman University; Best Startup Award to Mr. Saifur Rahman by Mr. Amrish Kumar, DSW, and Deputy Registrar, Dr. C. V. Raman University; and Best Industry Linkage Alumnus of the Year Award to Miss Rakiya Nazz Khan by Dr. Basant Kumar Singh, Pro Vice-Chancellor, Dr. C. V. Raman University. The alumni were taken on a campus tour, and in memory of the alumni meet, they participated in a floor dance program on campus.

Over 35 alumni participated in this function, with necessary arrangements organized by the University Management, Alumni Cell, and staff members of Dr. C. V. Raman University. The program concluded with a vote of thanks by Mr. Sanjeet Kumar, TPO, and Coordinator - Alumni Association.

#### 3.9 Examination Cell

To be eligible to appear in the end semester/annual examination a student should have a minimum of 75% attendance in the semester classes. The examination system is based on a continuous evaluation of the student's performance on different parameters. Most of the programmes of the University are based on semester system except wherever the University authorities and statutory bodies decide otherwise. While the internal evaluation comprises of two internal mid semester examinations, projects, assignments, tutorials and attendance, the end semester examination is fully external for ensuring fair assessment of the students competence.

A students is eligible for the award of University degree if he/she has undergone the regular course of studies, completed the project report/dissertation specified in the course curriculum within the stipulated time and have secured the minimum credits and percentage of marks needed for the award of concerned degree as per the University ordinances. For details relating to examinations, the students are advised to go through the University Ordinance available at University website.

#### **Result Analysis 2022-23**

esuit Allai	ysis raculty of Engineering	Ja lecinology- Dec 202
S.No.	Courses	Percentage
1	B.Tech 1 <sup>st</sup> Sem	94%
2	B.Tech 3 <sup>rd</sup> Sem	88.68%
3	B.Tech 5 <sup>th</sup> Sem	87.50%
4	B.Tech 7 <sup>th</sup> Sem	91.67%
5	Diploma 1 <sup>st</sup> Sem	88.76%
6	Diploma 3 <sup>rd</sup> Sem	82.27%
7	Diploma 5 <sup>th</sup> Sem	81.28%

#### **Result Analysis Faculty of Engineering & Technology- Dec 2023**

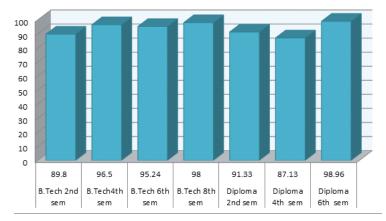
#### **Result Analysis Faculty of Engineering & Technology- Dec 2023**



#### Result analysis Faculty Of Engineering & Technology- June 2024

Courses	Percentage
B.Tech 2 <sup>nd</sup> Sem	89.80%
B.Tech 4 <sup>th</sup> Sem	96.50%
B.Tech 6 <sup>th</sup> Sem	95.24%
B.Tech 8 <sup>th</sup> Sem	98%
Diploma 2 <sup>nd</sup> Sem	91.33%
Diploma 4 <sup>th</sup> Sem	87.13%
7Diploma 6 <sup>th</sup> Sem	98.96%
	B.Tech 2 <sup>nd</sup> Sem B.Tech 4 <sup>th</sup> Sem B.Tech 6 <sup>th</sup> Sem B.Tech 8 <sup>th</sup> Sem Diploma 2 <sup>nd</sup> Sem Diploma 4 <sup>th</sup> Sem

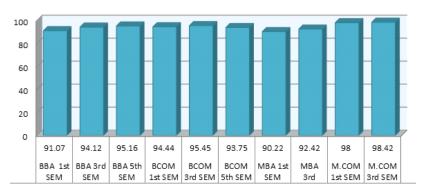
#### **Result analysis Faculty of Engineering & Technology- June 2024**



#### **Result Analysis Faculty of Management and Commerce- DEC 2022**

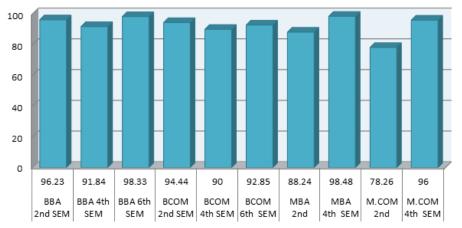
Courses	Percentage
BBA 1 <sup>st</sup> Sem	91.07%
BBA 3 <sup>rd</sup> Sem	94.12%
BBA 5 <sup>th</sup> Sem	95.16%
B.Com1 <sup>st</sup> Sem	94.44%
B.Com 3 <sup>rd</sup> Sem	95.45%
B.Com 5 <sup>th</sup> Sem	93.75%
MBA1 <sup>st</sup> Sem	90.22%
MBA 3 <sup>rd</sup> Sem	92.42%
M.Com1 <sup>st</sup> Sem	98%
M.Com 3 <sup>rd</sup> Sem	98.42%
	BBA 1st SemBBA 3rd SemBBA 5th SemB.Com 1st SemB.Com 3rd SemB.Com 5th SemMBA 1st SemMBA 3rd SemM.Com 1st Sem

#### **Result Analysis Faculty of Management and Commerce- DEC 2022**



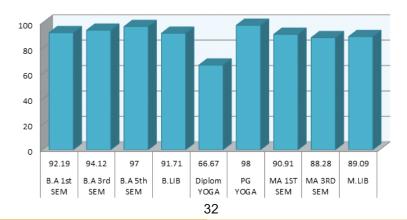
#### **Result analysis Faculty of Management and Commerce- June 2024**

S.No.	Courses	Percentage
1	BBA 2 <sup>nd</sup> Sem	96.23%
2	BBA 4 <sup>th</sup> Sem	91.84%
3	BBA 6 <sup>th</sup> Sem	98.33%
4	B.Com 2 <sup>nd</sup> Sem	94.44%
5	B.Com 4 <sup>th</sup> Sem	90%
6	B.Com 6 <sup>th</sup> Sem	92.85%
7	MBA 2 <sup>nd</sup> Sem	88.24%
8	MBA 4 <sup>th</sup> Sem	98.48%
9	M.Com 2 <sup>nd</sup> Sem	78.26%
10	M.Com 4 <sup>th</sup> Sem	96%



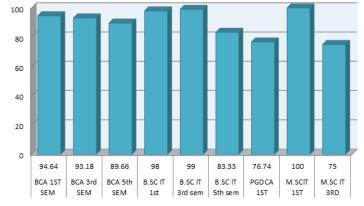
#### **Result Analysis Faculty of Arts & Humanities DEC-2023**

S.No.	Courses	Percentage
1	B.A1 <sup>st</sup> Sem	92.19%
2	B.A 3 <sup>nd</sup> Sem	94.12%
3	B.A 5 <sup>th</sup> Sem	97%
4	B.LIB	91.71%
5	Diplom YOGA	66.67%
6	PG YOGA	98%
7	MA1 <sup>st</sup> Sem	90.91%
8	MA 3 <sup>rd</sup> Sem	88.28%
9	M.LIB	89.09%



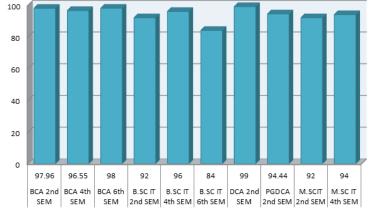
### Result Analysis Faculty of CS & IT - DEC 2023

S.No.	Courses	Percentage
1	BCA 1 <sup>st</sup> Sem	94.64%
2	BCA 3 <sup>nd</sup> Sem	93.18%
3	BCA 5 <sup>th</sup> Sem	89.66%
4	B.ScIT1 <sup>st</sup> Sem	98%
5	B.ScIT 3 <sup>nd</sup> Sem	99%
6	B.ScIT 5 <sup>th</sup> Sem	83.33%
7	PGDCA 1 <sup>st</sup> Sem	76.74%
8	M.ScIT1 <sup>st</sup> Sem	100%
9	M.ScIT 3 <sup>nd</sup> Sem	75%

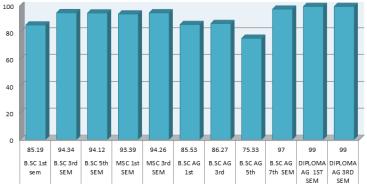


#### Result Analysis of Faculty of CS & IT - June 2024

Courses	Percentage
BCA 2 <sup>nd</sup> Sem	97.96%
BCA 4 <sup>th</sup> Sem	96.55%
BCA 6 <sup>th</sup> Sem	98%
B.SCIT 2 <sup>nd</sup> Sem	92%
B.SCIT 4 <sup>th</sup> Sem	96%
B.SCIT 6 <sup>th</sup> Sem	84%
DCA 2 <sup>nd</sup> Sem	99%
PGDCA 2 <sup>nd</sup> Sem	94.44%
MSCIT 2 <sup>nd</sup> Sem	92%
M.SCIT4 <sup>th</sup> Sem	94%
	BCA $2^{nd}$ SemBCA $4^{th}$ SemBCA $6^{th}$ SemB.SC IT $2^{nd}$ SemB.SC IT $4^{th}$ SemB.SC IT $6^{th}$ SemDCA $2^{nd}$ SemPGDCA $2^{nd}$ SemMSCIT $2^{nd}$ Sem



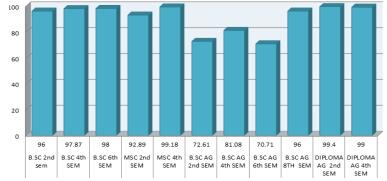
Res	ult Analysis Faculty of Scie	nce- DEC 2023
S.No.	Courses	Percentage
1	B.Sc1 <sup>st</sup> Sem	85.19%
2	B.Sc 3 <sup>rd</sup> Sem	94.34%
3	B.Sc 5 <sup>th</sup> Sem	94.12%
4	M.Sc1 <sup>st</sup> Sem	93.39%
5	M.Sc 3 <sup>rd</sup> Sem	94.26%
6	B.Sc AG 1 <sup>st</sup> Sem	85.53%
7	B.Sc AG 3 <sup>rd</sup> Sem	86.27%
8	B.Sc AG 5 <sup>th</sup> Sem	75.33%
9	B.Sc AG 7 <sup>th</sup> Sem	97%
10	Diploma AG 1 <sup>st</sup> Sem	99%
11	Diploma AG 3 <sup>rd</sup> Sem	99%



#### ι**Ι**+ Λ ..... aculty of Sai **DEC 2022** \_ .

#### **Result Analysis Faculty of Science- June 2024**

Courses	Percentage
B.Sc 2 <sup>nd</sup> Sem	96%
B.Sc 4 <sup>th</sup> Sem	97.87%
B.Sc 6 <sup>th</sup> Sem	98%
MSc 2 <sup>nd</sup> Sem	92.89%
MSc 4 <sup>th</sup> Sem	99.18%
B.Sc AG 2 <sup>nd</sup> Sem	72.61%
B.Sc AG 4 <sup>th</sup> Sem	81.08%
B.Sc AG 6 <sup>th</sup> Sem	70.71%
B.Sc AG 8 <sup>th</sup> Sem	96%
Diploma AG 2 <sup>nd</sup> Sem	99.4%
Diploma AG 4 <sup>th</sup> Sem	99%
	B.Sc 2 <sup>nd</sup> SemB.Sc 4 <sup>th</sup> SemB.Sc 6 <sup>th</sup> SemMSc 2 <sup>nd</sup> SemMSc 4 <sup>th</sup> SemB.Sc AG 2 <sup>nd</sup> SemB.Sc AG 4 <sup>th</sup> SemB.Sc AG 6 <sup>th</sup> SemB.Sc AG 8 <sup>th</sup> SemDiploma AG 2 <sup>nd</sup> Sem



## 

- 4.1 Faculties and functionaries
- 4.2 Programs & courses Overview (2023-24)
- 4.3 Faculty of Commerce & Management
- 4.4 Faculty of Science
- 4.5 Faculty of Engineering
- 4.6 Faculty of CS & IT
- 4.7 Faculty of Arts & Humanities
- 4.8 Academic coordination



#### 4.1 Faculties & Functionaries

The university provided a wide spectrum of student centric services and programs, and worked closely with students to help them in growing with a rich academic cultural, sporting and social environment. Every course has been redesigned keeping in mind the degree of expertise the student needs to attain, for a successful career in the field. Quality campus life and modern resources available in each department have helped students to excel in a multicultural and diverse surrounding.

The academic infrastructure was enhanced with a well organized set of lecture rooms, tutorial rooms, drawing halls, laboratories, workshops, faculty cabins, HOD offices, elegantly designed furniture in the spacious, ventilated and well-fit classrooms as per new requirements in departments. Life at Dr. C.V. Raman University, Vaishali, Bihar is a congenial experience that not only incorporates deep academic insights and technical knowledge among its pupils but also lays down an acute sense of Indian values and moral.

S.No.	Faculty		Admission in Session 2022-23
1	Commerce & Management		BBA, , B.Com (Hons) MBA,  M.Com & Ph.D
2	Science		B.Sc (Hons), B.Sc (Hons) Ag, Diploma in Agriculture M.Sc, Ph.D
3	Engineering & Technology	B.Tech Diploma	B.Tech (Civil Engineering, Mechanical Engineering, Computer Science & Engineering, Electrical Engineering & Electronics and Communication Engineering) PDE (Mechanical Engineering, Civil Engineering & Electrical Engineering, Agriculture Engineering)
4	Computer Science & Application		DCA, BCA , B.Sc IT, M.Sc IT, PGDCA & Ph.D
5	Humanities & Language		B.A (Hons.), B.Lib, Diploma Yoga, M.Lib, M.A., MSW, PG Diploma Yoga, Ph.D

#### 4.2 Programmes & Courses Overview (2023-24)

## 4.3 Faculty of Commerce & Management

S.No.	Name of Courses
1	BBA
2	MBA
3	B.Com
4	M.Com
5	Ph.D

### 4.4 Faculty of Science

S.No.	Name of Courses	Subject
		Physics
		Chemistry
1	B.Sc (Hons.)	Mathematics
		Zoology
		Botany
		Physics
		Chemistry
2	M.Sc	Mathematics
		Zoology
		Botany
3	Diploma in Agriculture	Agriculture
	B.Sc Hons. Agriculture	

### 4.5 Faculty of Engineering

Civil Engineering
nical Engineering
ter Science
eering
nics & Communication
ering
al Engineering
gineering
nical Engineering
ter Science
eering
a in Agriculture
ering
ture Engineering

## 4.6 Faculty of CS & IT

S.No.	Name of Courses	
1	B.ScIT	
2	BCA	
3	DCA	
4	M.ScIT	
5	PGDCA	
6	Ph.D	

## 4.7 Faculty of Arts & Humanities

S.No.	Name of Courses	Subject
		Economics
		English
		Hindi
1	B.A (Hons.)	History
		Political Science
		Sociology
		Geography
		Economics
		English
2	M.A	Hindi
		History
		Political Science
		Sociology
		Geography
3	MSW	Social Work
4	B.Lib	Library Science
5	M.Lib	Library Science
6	Yoga	Diploma in Yoga
		Diploma in Yoga
		P.G Diploma in Yoga

#### **4.8 Academic Coordination**

A team of experienced faculty members is entrusted with the most important task of effective academic administration. This team is led by Pro-Vice Chancellor and is responsible for the following:

- Drawing detailed academic calendar well in advance in consultation with all concerned.
- Academic resources like lab equipments, books, software and teaching staff etc. are planned one semester in advance. Subject allocation and preparation of teaching plan is also done at least 3 months in advance. Coordination team ensures this.
- Implementation of the plan in an effective manner.
- Ensuring that lesson plans, presentation, monitoring etc. are implemented effectively with continuous evaluation mechanism.
- Guest/Expert lecture, training/education visits etc. are planned and conducted.
- Examination, tests, extra-curricular activities, value addition programmes etc. are managed and monitored. An effective feedback and monitoring system is to be ensured by this group.
- Seminar/Webinar & Workshop to improve the student's skill.

## SECTION-05 ACADEMICS

- 5.1 Teaching and Learning Process
- 5.2 Seminar & Workshop for Students
- 5.3 Education industries training & visits



#### **5.1 Teaching Learning Process**

**Philosophy & Action Plan** - Excellence in academics is first priority for Dr. C.V. Raman University. A multidimensional approach has been applied to ensure that students has been applied to ensure that students and research scholars are not only imparted education and training but they are also enriched with values, skill development hands-on experience and exposure to latest happenings in their field. Overall result of the University in 2022-23 was excellent.

The world is constantly changing, with every change bringing opportunities for personal and professional growth. Skills need to be updated or refreshed continually, to reflect changes in technology, legislation or practices. In the ever changing environment, the concepts and theories too undergo changes at a rapid pace. Consequently, learning has to be continuous and lifelong. Hence the teacher needs to only create an interest in the subject and allow the students to learn on their own. Learning to learn has become the success-mantra for the students as well as the teachers. The teacher would become obsolete and out-dated if he/she fails to update on a continuing basis. Even with hard work, there would be several areas where the teacher may have to learn from the students.

The whole educational system has been collapsed during the lockdown period of the novel coronavirus disease (COVID-19) not only in India but across the globe. Online teaching-learning modes adopted by the University for the teaching-learning Process and subsequent semester examinations. It looks forward to an intellectually enriched opportunity for further future academic decision-making during any adversity.

Some of the important aspects which have paid dividends in terms of excellent academic results in 2022-23 are:

- Ensuring teacher student ratio at 1:13 highly qualified and experienced faculty has been recruited to ensure meticulous planning of teaching activities, effective documentation, multilevel periodic monitoring of syllabus progress and proactive correction through various feedback systems. We have an army of 80 teachers in the university.
- Choice Based Credit System has been worked out across all discipline and applied to ensure better quality and universal standard.
- Continuous evaluation through compulsory tests, periodic assignments and transparent internal assessment after every unit in every semester.
- Hands on experience and exposure through effective lab hours, industrial and educational visits and guest lectures by experts were planned.
- Confidence building through workshops, seminar, value addition courses and communication skill development classes.
- Use of modern teaching aids and active teaching learning system. Expert lectures from industry.
- Continuous updation of syllabus as per industry needs, faculty training and faculty development programmes through deliberations in the Academic Council and Boards of Studies.

#### 5.2 Seminar and Workshop

Dr. C. V. Raman University not only concentrates on academic excellence but believes in all around development of students and tries to achieve the aims of education.

#### 5.2.1 World Shakespeare Day

World Shakespeare Day is celebrated annually on April 23rd, marking both the birth and death anniversary of William Shakespeare, one of the greatest playwrights and poets in the history of literature. Shakespeare's works, including iconic plays like Romeo and Juliet, Hamlet, Macbeth, and Othello, have profoundly influenced English literature and drama, as well as global culture. On this day, various educational and cultural institutions across the world commemorate Shakespeare's contributions to literature, theatre, and language. Events such as theatrical performances, readings of his sonnets, discussions on his works, and essay writing competitions are organized to honour his legacy. Shakespeare's impact extends beyond his era, as his themes of love, ambition, power, betrayal, and human nature remain relevant today. His timeless insights into the human condition, mastery of the English language, and innovations in storytelling continue to inspire writers, artists, and scholars worldwide.

World Shakespeare Day is an opportunity to celebrate his enduring influence and the richness he brought to literature, making his works an integral part of global cultural heritage. On April 23, 2024, World Shakespeare Day was celebrated at Dr. C.V. Raman University, Vaishali, Bihar. The university's Vice-Chancellor, along with students and professors, participated in the event, making it a memorable occasion. The humble Vice-Chancellor of the university, Dr. M.L. Gaur, highlighted the significance of Shakespeare and spoke about his relevance to human life. He quoted Shakespeare's famous lines: "Cowards die many times before their deaths; The valiant never taste of death but once." Dr. Gaur elaborated on the philosophy of life represented through Shakespeare's art.

Dr. Sudista Prasad Singh, Dean of English, discussed various aspects of human life portrayed in Shakespeare's plays and sonnets. According to him, "All the world's a stage, and all the men and women merely players." He explained that after playing their roles, they vanish from the stage. Prof. Manoj Kumar Sharma, Head of the Department of Arts and Humanities, actively participated and spoke about the enduring relevance of Shakespeare's works. The University's Dean, Dr. Dharmendra Singh, also emphasized the importance of Shakespeare. Mr. Amrish Kumar Singh, Dean of Student Welfare, stressed the significance of Shakespearean studies. Sonali Sinha participated enthusiastically in the event. Several students, including Sunny Kumar, Rohan Kumar (Diploma), Sakshi Saurav, Sakshi Kumari (Diploma), Sushant Kumar (Diploma), Dennis Walter (Diploma), Mikhil Kenar (Diploma), and Gaurav (M.A. English), actively took part in the celebrations.







#### 5.2.2 Educational Visit to Aryabhata Centre for Nanoscience & Technology

To achieve academic excellence, the department of Electrical and Electronics Engineering focuses on intensive research activities as well as technical exposure to an industry or educational institutions. Keeping this view in mind an educational visit to Aryabhata Centre for Nanoscience & Technology, Aryabhatta Knowledge University, Patna, Bihar, was organized by the department on April 18, 2023.

#### About Aryabhata Centre for Nanoscience & Technology

Aryabhatta Centre for Nanoscience & Technology (ACNN) under School of Engineering and Technology of Aryabhatta Knowledge University, Patna, is an Interdisciplinary super specialized, experimental new science of frontier areas of subject of 21<sup>st</sup> century. This ACNN is the first cutting-edge Research Centre of the University of Bihar which was initiated by the Department of Education, Govt. of Bihar.

#### **Objectives of the visit**

- To give some practical exposure to our students about the new emerging trends and research activities in the field of technology.
- support for innovation and research activities going on in our university.

#### Proceedings

Under the supervision of Mr. Vikash Kumar and Mr. Vikash Kumar Singh, students of the department of Electrical & Electronics Engineering visited the Aryabhata Centre for Nanoscience & Technology, Patna on April 18, 2023. Our visiting team met Dr. Rakesh Kumar Singh, Head, Aryabhata Centre for Nanoscience & Technology, Patna.

#### **Visiting Team**

- 1. Vikash Kumar, Assistant Professor, Dept of Electrical Engineering.
- 2. Vikash Kumar Singh, Assistant Professor Dept of Electrical Engineering.
- 3. Students Of Department of Electrical Engineering and Electronics & Communication Engineering.

#### Outcomes

We got a positive response from Dr Rakesh Kumar Singh. The officials gave a very positive response to us and assured us of their support for innovation and research activities going on in our university. The student learned and got familiarized with new emerging technology in a more interactive way. The students got following knowledge and skills:

- 1. Fundamental principles of nanotechnology and their application to different engineering fields.
- 2. Applied engineering and physics concepts in the nano-scale and non-continuum domain.
- 3. State-of-the-art characterization methods for nanomaterials.
- 4. Safety and handling methods required during characterization.







#### 5.2.3 Workshop on "application of Autocad In Design & Modelling"

The Department of Electrical & Electronics Engineering and Mechanical Engineering organized an expert lecture cum workshop on "**Application of AutoCAD for Design & Modelling**" on May 24, 2023 in the Conference Hall of Dr. C. V. Raman University, Bhagwanpur, Vaishali, Bihar.

#### **Resource Person**

- 1. Mr. Amitava Halder, Business Head, CADD Center Training Services Pvt. Ltd.
- 2. Mr. Ravi Ranjan Kumar, Director, CADD Center Training Services Pvt. Ltd., Muzaffarpur, Bihar

#### Convenor

- 1. Mr. Kripa Shanker, Head, Electrical and Electronics Engineering
- 2. Mr. Sanjeet Kumar, Head, Mechanical Engineering

#### Coordinator

- 1. Ms. Pallavi Sahay, Assistant Professor, Electrical and Electronics Engineering
- 2. Mr. Vikash Kumar Singh, Assistant Professor, Electrical and Electronics Engineering
- 3. Mr. Anand Kumar, Assistant Professor, Mechanical Engineering

#### Anchor

- 1. Arya Kumari
- 2. Aashi

#### **Participants**

More than 150 students from different engineering streams of the university benefited from this expert lecture cum workshop.

#### Objective

The main objective of this lecture was to make students learn and understand the use of advanced tools and application of AutoCAD software for design and modelling as it is used frequently by the professionals like engineers, architects, graphics designers, city planners etc.

#### Proceeding

The program started with welcoming of the Chief Guests followed by the opening remarks by the Head of the department of Electrical & Electronics Engineering, Prof. Kripa Shanker. The dignitaries present there were Dr. Dharmendra Kumar Singh (Dean Academic) who graced the occasion. In his address, Dean Academic Dr. Dharmendra Kumar Singh said that in today's time, students should also focus on acquiring skills in designing and modeling along with technical knowledge.

The Resource Person Mr. Aru, Head, CADD Center, delivered a talk on the "Application of AutoCAD for Design & Modelling". In his two-hour elaborated talk, he also threw a lime light on the advanced application of AutoCAD. He demonstrated the modelling of 3D objects, making plan layout and designing electrical circuits. He also shared many of his experiences on the execution of various projects.

He focused on the following key points:

#### 2D Modeling

- GUI of AutoCAD Drawing and Modification Tools Layer Properties Manager
- Create and Insert Blocks Define and Edit Attributes

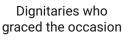
#### **3D Modeling**

- Assigning Material - Rendering - Motion Path Animation

#### ADVANCETOOLS

- Layouts
- Template Creation
- Linking and Extraction
- Tool Pallets and Design Center
- Parameterization of Drawings
- Hatch and Gradient
- Using External References (XREFS)
- Isometric Drawings
- Annotation Style Managers
- Finally, Prof. Pallavi Sahay expressed her gratitude to the speaker of the day for all the valuable information shared with us.







Enthusiastic Audience



Concept delivery by Resource Person

#### 5.2.4 Expert Talk On Application of Engineering and Technology in Research & Development

The Department of Electrical & Electronics Engineering and Mechanical Engineering organized an expert talk on the "**Application of Engineering & Technology in Research and Development**" on September 20, 2023 in the Conference Hall of Dr. C. V. Raman University, Bhagwanpur, Vaishali, Bihar.

#### **Resource Person**

1. Mr. Pankaj Kumar Sharma, Technical Officer, DRDO, Kanpur, U.P.

#### Convenor

- 1. Mr. Kripa Shanker, Head, Electrical and Electronics Engineering
- 2. Mr. Sanjeet Kumar, Head, Mechanical Engineering

#### Coordinator

- 1. Mr. Vikash Kumar Singh, Assistant Professor, Electrical and Electronics Engineering
- 2. Mr. Anand Kumar, Assistant Professor, Mechanical Engineering

#### Anchor

1. Ms. Pallavi Sahay, Assistant Professor, Electrical and Electronics Engineering

#### Participants

More than 150 students from different engineering streams of the university benefited from this expert lecture.

#### Objective

The main objective of this event was to make students aware about the role of engineering and technology in current advancement and innovation in any sector like innovation and advancement in the Defence sector to which DRDO is especially engaged. Also, there is a need to promote a culture of research and innovation in the education system.

#### Proceeding

The program started with welcoming of the Chief Guests followed by the opening remarks by the Head of the department of Electrical & Electronics Engineering, Prof. Kripa Shanker. The dignitaries present there were Dean Academic, Dr. Dharmendra Kumar Singh; Deputy Registrar, Mr. Amrish Kumar who graced the occasion. In his address, Dean Academic Dr. Dharmendra Kumar Singh said that in today's time, students should focus on critical thinking to come out with new ideas.

The Resource Person Mr. Pankaj Kumar Sharma, Technical Officer, DRDO, delivered a talk on the "Application of Engineering & Technology in Research and Development". In his twohour elaborated talk, he threw a lime light on the role of engineering & technology in innovation & development. He also shared many of his experiences on the execution of various projects.

He focused on the following key points:

- Need of innovation culture in education system
- Critical thinking for innovation
- Need to promote research and development in engineering
- Focus of teaching and learning on research and development rather than on theoretical aspects

Finally, Prof. Pallavi Sahay expressed her gratitude to the speaker of the day for all the valuable information shared with us.

The schedule of the event is mentioned in Annexure-I.

#### Outcome

The lecture was well organized with the start application of engineering and technology in research and development. The speaker covered the different aspects of research and development in his speech, presented the scope of innovation and research with the help of engineering & technology for advancement and talked about the opportunities for young engineers in these areas. It was a fruitful session for the budding engineers of CVRU, Vaishali.



Welcome to the guest by Memento & Books



Concept delivery by Resource Person



Enthusiastic Audience

#### 5.2.5 Rabindranath Tagore Jayanti

## Event: On the occasion of Rabindranath Tagore Jayanti, an Art and Essay Competition is being organized.

Date: 8th May 2024

Venue: Conference Hall, Dr. C.V. Raman University

Time: 2:00 PM to 4:00 PM

Organized by: Department of Arts and Humanities

#### Faculty Participation:

- Manoj Kumar, Head of Department, Arts
- Sushil Jamriyar, Head of Department, Life Sciences
- Pankaj Kumar, Head of Department, Commerce

Convenor: Dr. Binod Kumar Sharma, Head of Hindi Department Coordinators: Assistant Professors Abhishek Mishra and Himalaya Singh Assistant Coordinators: Assistant Professors S. P. Singh and Sonali

On 8th May 2024, the 163rd birth anniversary of Rabindranath Tagore was celebrated at Dr. C.V. Raman University, Vaishali, Bihar, organized by the Department of Arts and Humanities. All students enthusiastically participated in the celebration of Tagore's Jayanti. The program began with a welcome speech by Manoj Kumar, Head of the Humanities Department, who paid tribute to Rabindranath Tagore, the composer of the national anthem, describing him as a great poet, playwright, painter, and storyteller. Dr. Binod Sharma from the Hindi Department referred to him as the "Vishwakavi Guru" (World Poet), who guided future generations. Dr. Rudra Narayan, Head of the History Department, described him as the hero of modern India. Abhishek Kumar Mishra, Head of the Geography Department, praised Tagore as the first Asian Nobel laureate, highlighting his contribution to literature. Dr. S.P. Singh, Head of the English Department, lauded him as a great poet and writer, and the first non-European to win the Nobel Prize.

On this occasion, essay writing and art competitions were also organized to commemorate Rabindranath Tagore's Jayanti. Students from all faculties participated with great enthusiasm. Around 50 students took part. In the art competition, Arya Kumari Pandey won the first prize, Sneha Kumari took the second prize, and Dheeraj Kumar won the third prize, all from the Agriculture Department. In the self-composed poetry category, the best award was given to Diwakar Tiwari. In the essay competition, Abhishek Kumar from the History Department won first prize, Satyam Kumar from the Economics Department won second prize, and Nakul Yadav from the Hindi Department won third prize. Additionally, encouragement awards were given to Rituraaj, Bittu Kumar, Tripti Kumari, Shalu Jha, Dolly Kumari, Gautam Kumar, Mahima Kumari, and Palak Kumari. The vote of thanks was delivered by Dr. Rudra Narayan, Head of the History Department.





#### 5.2.6 Hindi Pakhwara and Ramdhari Singh Dinkar Jayanti Celebration

On the occasion of Hindi Diwas (14th September) and Ramdhari Singh Dinkar Jayanti (26th September), a combined celebration titled "Hindi Pakhwara and Ramdhari Singh Dinkar Jayanti" was organized. The renowned national poet, Ramdhari Singh Dinkar, was born on 23rd September 1908 at Simaria Ghat in Begusarai. His poetry reflects a unique blend of vigor, rebellion, and revolution on one hand, while expressing tender and romantic emotions on the other. His works *Kurukshetra* and *Urvashi* exemplify these contrasting styles at their peak. Dinkar was awarded the Sahitya Akademi Award in 1959 and the Jnanpith Award in 1972. His major works include *Kurukshetra*, *Rashmirathi*, *Urvashi*, *Hunkar*, *Sanskriti Ke Chaar Adhyay*, *Parshuram Ki Pratiksha*, and *Hahakar*. He passed away on 24th April 1974 at the age of 65, leaving behind a legacy as a great nationalist poet.

#### **Event Details:**

Event: Hindi Fortnight and Ramdhari Singh Dinkar Jayanti

Date: 29th September 2023

Venue: Conference Hall, Dr. C.V. Raman University

**Time:** 2:00 PM - 4:00 PM

Organizer: Department of Arts and Humanities

Faculty Participants:

- Manoj Kumar Head of Department, Arts
- **Sushil Jamriyar** Head of Department, Life Sciences
- **Pankaj Kumar** Head of Department, Commerce

Convener: Dr. Binod Kumar Sharma, Head of Hindi Department

**Coordinators:** Assistant Professors Abhishek Mishra and Himalaya Singh

**Assistant Coordinators:** Assistant Professors Shivangi and Sonali from the English Department

#### Technical Support:

The event commenced with the lighting of the lamp and a melodious rendition of the *Saraswati Vandana*, sung by Sonali from the English Department. The stage was then handed over to Manoj Kumar, the Head of the Arts Department, who skillfully led the program. He provided insightful information about Ramdhari Singh Dinkar and also recited some of his poems.

Dr. Binod Sharma, Head of the Hindi Department, paid homage to the great poet by reciting several of Dinkar's works, especially *Rashmirathi*, which was read and appreciated multiple times during the event. Sushil Jamriyar, Head of the Life Sciences Department, also contributed by reciting some of Dinkar's poetry.

The students participated enthusiastically, remembering the poet through his powerful words. Nakul from the B.A. Anmol, Anjali, Akanksha, and Muskan from the MBA program, as well as Ritu, Saurav, Ankit, and Nishant from the BSc Agriculture program, all recited Dinkar's poems. The heartfelt recitations captivated the audience, filling the hall with applause and admiration.

The event concluded with a vote of thanks, bringing the celebration to a successful close.

#### 5.2.7 Gandhi Jayanti

On October 3, 2023, the 154th birth anniversary of Mahatma Gandhi was celebrated. Mahatma Gandhi was born on October 2, 1869, in Porbandar, Gujarat. He set an extraordinary example by leading India to independence through the principles of truth and non-violence, involving the entire Indian population in the process. It was Netaji Subhas Chandra Bose who first addressed him as the "Father of the Nation," and Rabindranath Tagore who bestowed upon him the title of "Mahatma."

#### **Program Details:**

As part of the Gandhi Jayanti celebration, there were various activities such as poster presentations, song performances, speeches, and poetry recitations.

Date: October 3, 2023

Venue: Conference Hall, Dr. C.V. Raman University, Bhagwanpur, Vaishali

Time: 2:00 PM to 4:00 PM

**Organizer:** Department of Arts and Humanities

#### **Teachers' Participation:**

- Pro Vice-Chancellor: Dr. Basant Singh
- Dean of Student Welfare: Amrish Kumar
- Heads of Department (HOD):

Dr. Sushil Jamriyar (Mathematics)

Pankaj Kumar Singh (Commerce)

#### Conveners:

- Manoj Kumar (HOD, Arts and Humanities)
- Dr. Vinod Kumar Sharma (HOD, Hindi)

#### **Coordinators:**

- Himalaya Singh (HOD, History)
- Abhishek Mishra (HOD, Geography)

#### Assistant Coordinator: Sonali Sinha (HOD, English)

#### Technical Support: Nitesh Kumar

#### **Program Proceedings:**

The event commenced with a welcome speech delivered by Shikha Supriya, a student of the English Department. Pro Vice-Chancellor Dr. Basant Singh paid homage to Mahatma Gandhi, referring to him as a figure of great significance and dignity. The celebrations officially began on October 3, with Shikha Supriya from the English Department acting as the master of ceremonies.

The event opened with a traditional lamp lighting ceremony. Following this, Sonali Ma'am from the English Department sang one of Gandhi's favorite hymns, "Vaishnav Jan to," in a melodious voice, which brought joy to everyone present. Dr. Basant Singh then delivered his address, paying tribute to Mahatma Gandhi and emphasizing Gandhi's greatness as a leader. He advised students to follow Gandhi's ideals. Next, Manoj Kumar, the Head of the Arts Department, provided students with a detailed explanation of Gandhi's use of truth and non-violence, highlighting his pivotal role in securing India's independence.

He urged the students to incorporate Gandhi's principles of truth and non-violence into their own lives. Following him, Dr. Vinod Kumar Sharma, Head of the Hindi Department, also expressed his thoughts, praising Gandhi as a great patriot and leader.

Dr. Jamriyar from the Mathematics Department then spoke about both Mahatma Gandhi and Lal Bahadur Shastri, sharing insights about their lives and contributions. Afterward, students took the stage to share their views on Gandhi. Hindi Department students Nakul and Naveen gave in-depth presentations about Gandhi's life and work, while first-year B.Sc. Agriculture students Akanksha, Ritu, and Nishant also shared their thoughts on Gandhi. Dheeraj performed a song in honor of Gandhi, and Diwakar recited a poem dedicated to him.

Additionally, Nisha from the Economics Department gave a poster presentation, and MBA students Saurabh and Ankit also delivered speeches. Along with Gandhi, Lal Bahadur Shastri was remembered and his slogan "Jai Jawan, Jai Kisan" was highly appreciated by all. The event concluded with a vote of thanks from Manoj Kumar, who expressed gratitude to all the guests, students, and faculty members for their participation, bringing the program to a successful close.





#### **Educational visit to FCI Patna**

Student of Dr. CV Raman University visited Food Corporation of India(FCI) patna on 04 Nov 2023.

#### **About FCI Patna**

The Food Corporation of India (FCI) is a statutory body under the Ministry of Consumer Affairs, Food and Public Distribution. It was set up in 1965 following the enactment of the Food Corporation Act, 1964 with the objective of fulfilling various aspects of the National Food Policy at the time.

#### **Pre Event Description**

Students of B.Sc. Ag (Hons.) visited FCI godowns which is storing and packaging of Food items. The main function is to maintain the temperature of the food so that it does not get spoiled. FCI General manager interacts with students and gives information about dharam kanta which is used for measurement of food grains and maintenance of all data of storage godowns. The major role of FCI helps the farmers by buying their food grains and other kinds of foods by minimum purchasing.

General manager talked about FCI and activities of storage godowns.

He gave the information about the aim of FCI. He said FCI is a responsible company and takes charge of our actions in order to create a positive impact towards the environment, shareholders, employees, customers, suppliers and other stakeholders.

Interaction session was held with staff and managers of FCI. Students had a great exposure and gained a lot of information from the general manager of FCI about various techniques and methodologies that are carried in FCI Godowns.

#### **Rangoli Competition and Children's Day Celebration Report**

The **Rangoli** represents the happiness, positivity and liveliness of a household, and is intended to welcome Lakshmi, the Goddess of wealth and good luck. It is believed that a Hindu household without a clean entrance and Rangoli is an abode of bad luck. It is believed that children are the form of God. Therefore, along with the **Rangoli Competition**, the **Children's Day** program was also organised on **9th November 2023** under the **Department of Life Science** at **2:00 p.m.** in the **corridor of the Life Science Department**. The winners got a **CVRU kit** as a prize.



#### **Technical lecture**

The Department of Civil Engineering has received the proposal from the MASTER LEARNERS, Patna for a "GUEST LECTURE ON BASICS OF GEO-TECH ENGINEERING" by "Siddigue Sir". The proposal was accepted and the Department of Civil Engineering in association with Master Learner's, Patna has organized the guest lecture for the Civil Engineering Students on 15<sup>th</sup> of May 2024. The main objective of this guest lecture was to make students aware about the importance and usefulness and importance of soil and its properties. Lecture aims to give an insight to the various practices and tools of the topic from the expert, so that it will help them to understand better about the topic, which will help them to be industry ready. Lecture started 15<sup>th</sup> of May 2024 at 11.30 p.m. in the conference room Mr. Shantnu, Head of the Department of Civil Engineering welcomed the expert and introduced him among the participants. He thanks the team of Master Learner's for the initiative taken. Expert starts his lecture with thanks to the department and university for accepting the proposal and giving the platform to interact with so many young engineering minds. He starts with the definition of Geo Tech Engineering. Later on he describes the various properties of soil like unit weight, bulk weight, 3 phase diagram e.t.c.. He also states its uses in daily life. Later on in the last phase of the session, doubts were invited from the students which were addressed by the expert. At last a guiz was organized related to the topic discussed and students who answered the most correct answer were applauded. Total of 107 students were present. Mr. Abhishek Kumar, Asst. Professor, Civil engineering Department, gives the word of thanks. He thanks the Master Learner's team for its kind gesture and support. He also thanks the students for the kind cooperation. At last the team of Master Learner's was honored by the Dean Academic Prof. (Dr.) Dharmendra Kumar Singh. He applauded the department and master learner for the initiative taken and marked the importance of guest lectures from daily classroom lectures. Md. Tanweer Alam, Mr. Kumar Shanu, Md. Imdad Hussain, Mr. Rajesh Kumar, Mr. Ranjeet kumar were also present during the session.



## 

6.1 Research and Development Activities of CVRU

6.2 Research Papers



#### 6.1 Research and Development Activities

Dr. C.V. Raman University has a separate cell for research, with all latest gadgets and requisite software to promote active research. Gradually it is being digitized with digital classrooms and digital reference libraries. Besides this it also has a separate conference hall which is equipped with a video conference machine, screen and projector, etc. and thus, organizes international conferences for giving more exposure to students.

#### 6.1.1 C. V. RAMAN CORE RESEARCH GROUP

The C.V. RAMAN Core Research Group is a unique initiative of the University to foster research culture in the University. Research work demands large numbers of resources in terms of money, time and infrastructure with attached uncertainty of result and longer time scale for success. Private Universities have to mostly depend on their own resources and that is the reason that, in private universities, not much research activities are seen. But Dr. C. V. Raman University is a lot different. Research is a core area here. To underline the concern, the Core Research Group has been set up.

- Extend financial and administrative support for travelling and presenting papers abroad.
- Build up Research Facilities and Research Culture.
- Identify meaningful Research Projects and provide funds.
- Encourage Research Writing and provide support for publication.
- Function as the Nodal point for Research Activity other than doctoral research.

#### **Composition of Core Team**

S.No	. Name	Designation	Member/Capacity
1	Mr. Arvind Chaturvedi	Chancellor, CVRU	Chairman
2	Dr. M. L. Gaur	V.C. , CVRU, Vaishali Bihar	President
3	Dr. Basant Kumar Singh	Pro. V.C., CVRU, Vaishali Bihar	Vice President
4	Dr. Birjesh Singh	Registrar CVRU, Vaishali Bihar	Secretary
5	Mr. Amrish Kumar Singh	DSW, CVRU, Vaishali Bihar	Advisor
6	Dr. Dharmendra K. Singh	Professor and Dean Engineering	In charge
7	Prof. Pankaj Kumar Singh	HOD Management CVRU, Vaishali Bihar	Advisor

#### 6.1.2 Areas for Research

Following are the areas identified primarily for Research Projects

- Solar & Wind Energy
- Agriculture Science
- Literature & Arts
- Science & Technology

Research in any of the above areas may be initiated by any faculty member in the University. Research projects in any other field may also be taken up. Funding will be based on the merit of the project

### 6.2 Research Paper

# (IEE, SPRINGER, SCOPUS, UGC approved International Journal, UGC Approved National Journals, other Journals)

Name of Faculty Member	Title (Book Writing, Paper presentation Chapter Writing, patents )	Year of Publication	Journal/Conference /Publisher	ISSN No
Dr. Basant Kumar Singh	"Role of Mathematics in Scientific R&D for Agrarian & Non-Agrarian Sectors: Implications and Solutions Under NEP 2020"	2024	Anusandhan– Science Technology & Management of Aisect Group of Universities Journal Vol. XIII Issue XXVI March 2024	
Dr. Basant Kumar Singh	"Engineering Mathematics"	2024	Blue Duck Publications	ISBN: 978-93-6418-851-7
Dr. Basant Kumar Singh	"Metal Nanoparticle Synthesis Device"	2024		Design No. 409673-001
Dr. Suman Kumari	Economic Evaluation of Cost And Returns of Potato Crop Towards Livelihood Security of Farmers In The Nalanda District of Bihar	2023	2023ECONOMIC AFFAIRS, AESSRA ( SCOPUS) VOL.68, NO.04,PP.1929-1935	0424-2513
Dr. Suman Kumari	Analysis of Socio economic Characteristics Of Potato Farmers & Trend, growth Rate of Area ,production of Potato In Nalanda District of Bihar, india	2023	International Journal of Environment And ClimateChange,vol,1, issue 8, Page No.53-60	2581-8627
Dr. Suman Kumari	Analysis of Key Challenge Facing Potato Farmers In Nalanda District, Bihar	2023	The Pharma Innovation ,vol,is.pa.12(4): 1695-1698	2349-8242
Dr. Suman Kumari	Optimization of Resources Using Sen's Multi Objective Programming(mop) Model For Potato Growers of Nalanda District , Bihar	2023	Environment & Ecology 41(3c); 1937-1940,july-sep	0970-0420
Dr. Suman Kumari	Objective Agricultural Economics	2023	Nitya Publication	9358577096
Dr. Suman Kumari	A Economic Study of Potato Cultivation Towards Livelihood Security of Farmers on Nalanda District of Bihar ,india	2023	Nitya Publication	9358573988

Dr. Suman Kumari	A Textbook of Horti Business Management	2023	Agri-biovet Press	978-93-93405-90-6
Dr. Suman Kumari	Training Needs of Potato Growers In Nalanda District of Bihar	2023	Vigyan Vatra (E-ISSN:2582-9467)	E-ISSN: 2582-9467
Dr. Suman Kumari	Optimising Resources Using Sen's Multi Objective Programming Model For Potato Growers of Nalanda Bihar	2023	Vigyan Vatra (E-ISSN:2582-9467)	E-ISSN: 2582-9467
Dr. Suman Kumari	The Socio Economic Profile of Potato Growers In Nalanda District Bihar	2023	Vigyan Vatra (E-ISSN:2582-9467)	E-ISSN: 2582-9467
Dr. Suman Kumari	Estimate The Cost And Return Per Hectare of Potato Towards Livelihood Security Of Farmers In Nalanda District Of Bihar	2023	Vigyan Vatra (E-ISSN:2582-9467)	E-ISSN: 2582-9467
Dr. Suman Kumari	Vegetable Production & Marketing Helpful In Doubling A Farmer Income In India	2023	Agri Meet Multidisciplinary E-magazine (9001-2015	9001-2015
Dr. Suman Kumari	Assessing The Impact of Micro finance on Women's Empowerment	2023	Vigyan Vatra (e-issn:2582-9467)	E-ISSN: 2582-9467
Dr. Suman Kumari	Traditional Vs Modern Farming : Exploring Their Significance And Effects on Our Ecosystem And Climate Change	2024	Agri Roots E-magazine (issn: 2583-9071)	2583-9071
Dr. Suman Kumari	Optimising Resources Using Sen's Multi-objective Programming (mop) Model For Potato Growers of Nalanda District."	2023	Vigyan Varta, an International E-magazine for the article entitled,	E-ISSN: 2582-9467
Dr. Suman Kumari	Socio-economic Profile of Potato Growers In Nalanda District (bihar)	2023	ITIHAAS 2023	ITIHAAS
Prof. Pankaj Kumar singh	Paper Publication: Role of Institutions in field of Entrepreneurial Developmen	2023 t	International Journal for Multi disciplinary Research	2582-2160
Prof. Pankaj Kumar singh	Essentiality of Al in commerce	2023	NSACASEH-23-006	

Prof. Pankaj Kumar singh	Increasing Emphasis on Soft Skills: Need of The Hour In Modern	2024	Journal of Emerging technologies and Innovative Research	2349-5162
Prof. Pankaj Kumar singh	Book Chapter:Role of Artificial intelligence in Computer Science in Current Scenario	2024	Edge Book House	ISBN: 978-81-964711-9-4
Dr. Rajesh Kumar Raju	Paper publication: Role of Institutions in field of Entrepreneurial Development	2023	International Journal for Multidisciplinary Research	2582-2160
Dr. Rajesh Kumar Raju	Role of Ai In Current Scenario.		NSACASEH-23-006	
Dr. Rajesh Kumar Raju	Book Chapter:Role of Artificial intelligence in Computer Science in Current Scenario	2024	Edge Book House	ISBN: 978-81-964711-9-4
Dr. Akanksha	Role of AI in Business Management	2023	NSACASEH-23-006	
Dr. Akanksha	Book Chapter:Al in Business Management:A revolution	2024	Edge Book House	ISBN: 978-81-964711-9-4
Prof. Lovely Anand	Understanding the Importance of AI in Human Resources.	2024	NSACASEH-23-006	
Prof. Lovely Anand	Book Chapter: Understanding the Importance of AI in Human Resources Development	2024	Edge Book House	ISBN: 978-81-964711-9-4
Prof. Binny Rani	Revolutionizing Finance: The Latest Trends in Al	2023	NSACASEH-23-006	
Prof. Binny Rani	Book Chapter: Revolutionizing Finance: The Latest Trends in Al	2024	Edge Book House	ISBN: 978-81-964711-9-4
Prof. Binny Rani	Book:Corporate Accounting	2023	Rest Publisher	ISBN: 978-81-967689-5-9
Mr. Ajay Kumar, Prof. Seema Dr. Sushil Kr. Jamariar	A new Hypothesis of Projective Tensor and ITS Consequence	2023	IJERT	2278-0181
	A new Approach on Tensor Norms and its Classification	2023	IJERT	2278-0181

Mr. Ajay Kumar Dr. Sushil Kumar jamariar, Mr. Yashwant Singh, Mr. Raju Kumar Das.	A new Prospect on Bose- Einstein Condensation	2023	JETIR	2349-5162
Mr. Ajay Kumar, Dr. Sushil Kumar Jamariar, Dr. Rajiv Ranjan Mr. Yashwant Kumar Singh	Cosmology in India Before Einstein	2024	IJFMR	2320-2882
Ajay Kumar, Dr. Sushil Kumar Jamariar, Vijendra Kumar, Santosh Singh	A Survey on application of Vedic Mathematics in Computer Science	2024	IJCRT	2320-2882
Ajay Kumar, Dr. Sushil Kumar Jamariar, Vijendra Kumar Santosh Singh	A new prospect of Matroid Theory	2024	IJSDR	2455-2631
Dr. Sushil Kumar Jamariar, Mr. Ajay Kumar, Dr Dinesh Singh, Dr. Dharmendra	A Survey On Relation Between The Ramanujan's Congruence Form & The Background of The Modulus Form	2024	IJTRET	2582-0958
	Study of Scattering Cross Section And Scattering Mechanism For Mobility In Covalent Semiconductor	2023	IJSRST	2395-6011
Dr. Umesh Kumar Dr. Tarun Kr. Rajak Dr. PiyushCharan, Dr. Krishna Kumar Dr. Sushil Kumar Mr. Ajay Kumar, Mrs. Shabana		2023	Patent office	Design No 393644-01
Dr. Sushil Kumar Megha Soni, Dr. Rajiv Ranjan Ajay Kumar Miss Pallavi Sahay Dr. Dinesh Singh, Dr. Dharmendra Mr. Yashwant	Math Fear Detecting Spectacle	2023	Patent office	403286-01
		01		

Dr. Brijesh Singh, Dr. Dharmendra Kumar Singh, Dr. Basant Kumar Singh, Dr. Sushil Kumar Jamariar	Metal nanoparticle synthesis Device	2024	Patent office	Design no- 409673-001
Dr. Rajeev Ranjan Kumar, Dr. Sushil Kumar Jamariar, Mr. Deepak Kumar Mr. Ajay Kumar, Miss Pallavi Sahay, Mr. Avinash Kumar Mr. Yashwant Kum Dr. Dharmendra Kumar Singh.		2024	Patent office	Design No 412247-001
Dr. Basant Kumar Dr. Sushil Kumar Mr. Ajay Kumar	Engineering Mathematics Part- A	2024	Blue Duck Publications	ISBN- 978-93-6418-851-7
Dr. Sushil Kumar Jamariar, Dr. Dharmendra Kumar Singh.	Advanced Studies in Multidisciplinary	2024	Sai College Publication	978-81-957386
Dr. Sushil Kumar Jamariar, Mr. Ajay Kumar, Mr. Deepak Kumar	"Differential Calculus" in Mathematical Insights	2024	Chyren Publication	978-81-19820-05-4
Dr. Sushil Kumar Jamariar	Meree Taqadeer Meree Maan	2024	Neelam Prakaashan Mumbai	978-93-94929-47-0
Dr. Sushil Kumar Jamariar	Jazwat e Ishq	2024	Neelam Prakaashan Mumbai	978-93-94929-47-0

# SECTION-07 —

## **CENTER OF RESEARCH EXCELLENCE**

- 7.1 Center for Science
- 7.2 Center for Renewable Energy
- 7.3 Center for Incubation
- 7.4 Center for IOT & Advance Computing
- 7.5 Center for IQAC Cell



#### C. V. RAMAN CENTRE FOR SCIENCE COMMUNICATION (CSC)

C.V. Raman Centre for Science Communication (CSC), Dr. C.V. Raman University, Vaishali, Bihar is aimed at establishing a platform which will be capable of providing info & demo of Science activities and help in understanding the nature with a scientific vision among youth.

#### Vision

CSC is a network of eminent Science intellectual's closely associated with Dr. C.V. Raman University, Vaishali, Bihar and is a revolutionary step towards creating a knowledge society without boundaries. It will provide unprecedented benefits to the knowledge community and mankind at large. Using CSC, not only Dr. C.V. Raman University, Vaishali, Bihar but all vibrant institutions with vision and passion will be able to transcend space and time limitations in accessing information and knowledge and derive the associated benefits for themselves and for the society. It will facilitate the development of India's Science information infrastructure, stimulate research minds and to help to create next generation applications and services.

#### Mission

CSC is designed to provide reliable Sci-Tech info in easy and understandable language and means. The purpose of CSC goes to the very core of the country's quest for building quality institutions with requisite research facilities and to create and leverage of a pool of highly educated/trained professionals. The participating students/institutions would connect to CSC at core level with full of energy. CSC shall be a critical information providing infrastructure for Dr. C.V. Raman University, Vaishali, Bihar to evolve as a knowledge society. CSC is a significant step which will enable their faculty, scientists, researchers and students from across the Bihar to work together for advancing human development.

#### About CVRCSC

This centre was set-up in 2019 to embed scientific temper in students and masses from surrounding rural area and villages adopted by the university to make India more scientifically advanced by:

- Providing a vibrant platform to students and rural masses.
- Popularizing Science through publication of books in Hindi, project competition, quiz, etc.
- Organizing science activities/events i.e. expert lectures, quiz, debate, project competition, etc.
- Collaborating with other organizations.

#### Role of CSC:

- Establishing a live connectivity between faculty and students through flow of Scitech info which will enable knowledge and information sharing amongst other Connected institutes also.
- Facilitating communication of Science education in specialized fields like Engineering, Science, etc.
- Facilitating access to resource persons of various fields of academics /institutes/MNCs/PSUs.

- Facilitating connection between different sectoral institutes in the field of Science & Technology.
- Enabling collaborative innovation amongst youth connected to CSC & institutes.
- To work as an associate body between faculty and students.
- Making all out efforts to popularize the contemporary & authentic traditional scientific knowledge among youth.
- To develop a committed and ethical scientific approach in personality and life.

### 7.2 Center For Renewable Energy

**BHABHA CENTER FOR RENEWABLE ENERGY (BCRE)** is dedicated to the promotion of renewable energy especially solar energy in India. BCRE offers training and awareness programme in solar energy with highly qualified expert. A 10kw solar power system is installed by the center is partially fulfilling the energy needs of the university and spreading awareness among students, researchers and visitors.

#### Objectives

- To Facilitate research projects, innovative work and experiments in the field of energy.
- To Develop facility for Skill development in solar photovoltaic and other RE systems.
- To Create awareness on Energy conservation.
- To Endeavor for Green Campus.

#### 7.3 Center for Startup & Incubation

**C.V. RAMAN INCUBATION, ENTEREPRENEURSHIP AND STARTUP** To foster entrepreneurship CVRU Vaishali, Bihar established the Incubation Center in university campus. The Incubation Center facilitates networking with professional resources, including mentors, experts, investors, industry professionals, consultants, and advisors. Many technologies/innovations which have the potential for commercial ventures have been identified the Incubation Center.

#### Vision

Electronic components are ubiquitous in our day today life. Typical electronic systems that we use include mobile phone, laptop, washing machine, refrigerator, microwave oven, tablet, CD/DVD player, camera and many others. Other commercial, strategic and social applications include medical, surveillance system, and control of avionics, traffic management, supply chain management, smart building, e-governance, smart grid, industrial control, and automation. To ensure that we continue with growth trajectory, we need to develop indigenous technologies such that the common people are benefitted by products at affordable prices. Development of an electronic system broadly undergoes. Agriculture field have also demand of support and innovation.

#### Mission

CVRU has sets up a business Incubation Centre (IC) to promote innovation and entrepreneurship. The aim is to identify, nurture and translate technology ideas and innovation in the broad area of Electronic System Design, Manufacturing and Agriculture support equipment design and manufacture with serving the society will also be a stepping stone for the growth of entrepreneurship activities in this region. The IC will focus on developing products for commercial exploitation via the route of physical infrastructure, technical expertise and networking support to new enterprises with innovative technologies. The effort will also give an impetus to entrepreneurship among students, faculty and any external innovation.

S.No.	Name of Faculty	Department	
1	Dr. Santosh Kumar	Agriculture	
2	Prof. Sanjeet Kumar	Mechanical	
3	Prof. Shantnu	Civil	
4	Prof. Monesh Singh Chauhan	CSE & IT	
5	Prof. Kripa Shankar	EE	
6	Prof. Pallavi Sahay	ECE	
7	Prof. Abhishek Kumar	Civil	
8	Prof. Avinash Kumar	EC	
9	Prof. Deepak Kumar	CSE & IT	

#### The committee members are as follows

#### 7.4 Center for IOT & Advance Computing

We are pioneering advanced, industry-supported wireless communications and networking research, focusing on new areas including Internet of Things, signal processing for communication, advanced coding.

The Centre for IOT and Advanced Computing within the Dr. C.V. Raman University was established with the vision of carrying out innovative collaborative academic and industrysponsored research in wireless communications and networking. The center is laid by Professor Deepak Kumar Singh and currently has five academic staff.

#### **Our Research: Internet of Things**

Our Internet of Things (IOT) research focuses on wireless communications, networks, sensor devices, data technologies and their applications in smart grids and critical infrastructure.

IOT is becoming an essential technology to support the revolution of various vertical sectors such as agriculture, industry, energy, healthcare and transportation. This is achieved through sensing, communications, data analytics, decision intelligence and action automation. Our focus on IOT research includes connectivity, analytics and intelligence.

#### Our Research: Advanced Computing

Advanced computing capabilities are used to tackle a rapidly growing range of challenging science and engineering problems, many of which are compute and data-intensive as well. Demand for advanced computing has been growing for all types and capabilities of systems, from large numbers of single commodity nodes to jobs requiring thousands of cores; for systems with fast interconnects; for systems with excellent data handling and management; and for an increasingly diverse set of applications that includes data analytics as well as modeling and simulation.

#### Infrastructure

Our university is full of all components and applications which are required for the IOT and Advanced Computing. It has well advanced computer lab with high speed internet. An IOT solution typically consists of various levels of hardware/software integration:

- Physical Devices and Controllers
- Connectivity
- Edge Computing
- Data Accumulation and Abstraction
- Application
- Collaboration and Processes

# 7.5 Center for IQAC

**Internal Quality Assurance Cell (IQAC)** In view of the performance evaluation and assessment of the existing procedures and practices, the Institute has devised a mechanism for Quality Sustenance measure. A formal structure has been constituted in the form of Internal Quality Assurance Cell (IQAC) in June 2019. Since quality enhancement is a continuous process, the IQAC has become an integral part of the Institute's system. It has blended itself towards internalization and institutionalization of quality enhancement initiatives. It forms a facilitative and participatory unit of the Institute. It suggests a work plan to achieve the objectives and specifies the checks and balances to evaluate the degree to which the tasks are fulfilled. It sets out the procedures and instruments for assuring quality in efficient and effective way. It formulates modalities to collect data and information on various aspects of institutional functioning through IQAC Coordinator. It derives major support from the already existing units and mechanisms that contribute to the functions.

#### Vision

Service to Society by creating Technical & Skilled manpower through Value based Technical Education

#### Mission

- To provide quality technical education to meet the requirements of industries and society.
- To equip students with need based technical skills through continual improvements in Teaching Learning processes and research activities.
- To inculcate ethical values for overall holistic development of students.
- To develop a system for technical and value based excellence through quality conscious system and environment.
- To devise an action plan for internalization of quality culture and institutionalization of best practices based on continuous evaluation and assessment Quality Statement
- Quest for Excellence

#### **Quality Objectives**

• To disseminate information related to Quality parameters and promote quality conscious culture

- To arrange for periodic assessment and continuous evaluation in the functioning of all the processes of the Institute.
- To ensure timely and efficient performance in all the strata of the Institute.
- To exercise collection and analysis of feedback from all stakeholders on qualityrelated institutional processes
- To suggest action plan for progressive performance.

#### **Internal Quality Assurance Cell Members**

S.No.	Name	Designation	Position
1	Dr. M.L Gaur	Vice Chancellor	Chairman
2	Dr. Basant Kumar Singh	Pro Vice Chancellor	Vice Chairman
3	Dr. Birjesh Singh	Registrar	Member
4	Mr. Amrish Kumar Singh	Dean Student Welfare	Member
5	Dr. Dharmendra Kumar Singh	Dean Academic	Member
6	Prof. Ashutosh Ranjan	Assistant Professor & HOD (CS & IT/CSE Department)	Coordinator
7	Mr. Rishu Kumar	Associate Professor (Electronics Engineering Department)	Assistant Coordinator
8	Mr. Shantnu	Assistant Professor Deputy Dean Academic & HOD (Civil Engineering Department)	Member
9	Mr. Pankaj Kumar Singh	Assistant Professor HOD (Commerce & Management Department)	Member
10	Mr. Anand Kumar	Assistant Professor & HOD (Mechanical Engineering Department)	Member
11	Mr. Kirpa Shankar	Assistant Professor & HOD (EE & ECE)	Member
12	Mr. Abhishek Sukla	Assistant Professor & HOD 1 <sup>st</sup> Y. (Civil Engineering Department)	Member
13	Dr. Sushil Kumar Jamriar	Assistant Professor & HOD (Physical Science)	
14	Mrs. Shalini Singh	Assistant Professor & HOD (Life Science)	Member
15	Mr. Manoj Kumar Sharma	Assistant Professor & HOD (Arts & Humanities)	Member
16	Dr. Rajeev Ranjan Kumar	HOD (B. Voc)	Member
17	Mr. Saurav Kumar	Assistant Professor (CSEIT)	Member
18	Mr. Monesh Kumar	Assistant Registrar Academic	Member



# 

- 8.1 Student Induction
- 8.2 NCC, NSS & Dr. CV Raman University Social Responsibility



#### 8.1 Student Induction Program

#### Introduction

#### 1.1 Background

The Student Induction Program for the academic year 2023 was conducted from September 12th to 15th at the picturesque campus of Dr. C. V. Raman University in Vaishali, Bihar. The program aimed to provide a warm and informative welcome to incoming students, helping them acclimatize to the university environment and guiding them on the path to success.

#### 1.2 Objectives

The primary objectives of the induction program were:

To provide students with a thorough understanding of the university's academic expectations and resources.

To foster a sense of belonging and community among incoming students.

To address queries and concerns of new students.

To gather feedback for continuous program improvement.

#### **Program Structure**

The Student Induction Program was conducted successfully, divided into three main groups based on academic disciplines:

Group A: Engineering, CS IT

Group B: B.Sc. Agriculture & Science

Group C: Commerce, Management, Arts & Humanities

#### **Glimpses**











#### **NCC Report**

The National Cadet Corps (NCC) at Dr. C.V. Raman University, Bihar has consistently played a pivotal role in fostering leadership, discipline, and community service among students. As part of the university's commitment to holistic development, the NCC unit has actively engaged in a variety of activities throughout the year. This report highlights the key events, achievements, and contributions made by the NCC cadets of the university during the academic year 2023-2024.

#### Mega Plantation Drive Under Harit Aisect-2023

Dr. C.V. Raman University (CVRU), under the banner of the Harit Aisect-2023 initiative, organized a grand Mega Plantation Drive in line with the Azadi Ka Amrit Mahotsav, celebrating India's 75th year of independence. The event witnessed enthusiastic participation from NCC cadets, students, faculty, and local community members, marking a significant step towards environmental sustainability.

The drive began on August 13, 2023, with a ceremonial plantation led by the University's Registrar, Dr. Brije4sh Singh. Accompanied by the Assistant Registrar, Amrish Kumar Singh and students, 200 saplings were planted in the university campus. On 15th August, the Vice Chancellor, Dr. Vimal Kumar Sharma, and the Pro Vice Chancellor, Dr. Basant Singh, participated in the plantation drive, planting 100 saplings along with students, emphasizing the importance of green initiatives for a sustainable future.

As part of the Uttan Bharat Abhiyan, the university extended the plantation efforts to five adopted villages: Wafapur Banthu, Prataptaand, Kiratpur Rajaram, Mohammadpur Hari, and Bhagwanpur. From 16th August, the plantation was carried out across these villages, making a total of 2000 saplings planted under the initiative.

The plantation initiative was supported by the Bihar Government's Department of Environment, Forest, and Climate Change, under the leadership of Amit Kumar, Divisional Forest Officer, Vaishali district. The university's NCC Officer, Rishu Kumar and NSS officer, Saurav Kumar, played a crucial role in coordinating the plantation efforts. The forest department provided a diverse variety of saplings, including species like Amla, Guava, Jamun, Sharifa, Kachnar, Bakai, Teak, Mahogany, Arjun, and others.

The NCC cadets of Dr. C.V. Raman University also contributed significantly to the success of the plantation drive. Their involvement in the event not only included the physical planting of saplings but also in creating awareness about the importance of environmental conservation and the need to sustain such green initiatives.

The Mega Plantation Drive under Harit Aisect-2023 was a remarkable success, demonstrating the collective commitment of Dr. C.V. Raman University, its NCC cadets, faculty, and the local community towards environmental protection. The initiative not only contributed to enhancing the greenery around the university and its adopted villages but also instilled a sense of responsibility in the youth for the well-being of the planet.



#### **Independence Day**

Dr. C.V. Raman University (CVRU) celebrated Independence Day 2023 with great enthusiasm and patriotic fervor, marking the 77th year of India's independence. The event featured a solemn flag-hoisting ceremony, followed by a parade and cultural performances, with active participation from NCC cadets and university students. The celebrations were marked by a spirit of unity and national pride, reflecting the university's commitment to nurturing responsible and dedicated citizens

The day began with the flag hoisting ceremony, which was conducted by the Vice Chancellor of Dr. C.V. Raman University, Dr. Vimal Kumar Sharma, in the presence of other distinguished dignitaries: Pro Vice Chancellor, Dr. Basant Singh, Registrar, Dr. Birjesh Singh, Dean of Student Welfare, Mr. Amrish Kumar Singh, NCC Officer, Mr. Rishu Kumar.

The ceremony was a moment of immense pride, where the national flag was unfurled, symbolizing the freedom and unity of India. The gathering stood in respect, singing the national anthem, reaffirming their commitment to the country's values of independence, peace, and progress.

The NCC cadets of Dr. C.V. Raman University took part in the Independence Day Parade, showcasing their discipline, coordination, and dedication to the nation. The parade was commanded by Under Officer, Mishal Shakti, with Marker Kushal Kumar playing a crucial role in ensuring smooth execution. A total of 22 cadets participated in the parade, demonstrating their excellent training and enthusiasm. The parade included march-pasts, drills, and a display of the cadets' commitment to national service. The NCC cadets received great appreciation for their hard work and discipline, adding a special spirit to the celebrations.

Following the parade, a vibrant cultural program was held, showcasing the diverse talents of the university's students. The event featured patriotic songs, dances, skits, and speeches that captured the essence of India's struggle for independence and the spirit of unity that defines the nation today. The students' performances added to the festive atmosphere, evoking a sense of pride and patriotism among the attendees.

The NCC cadets not only participated in the parade but also helped organize and manage various aspects of the Independence Day celebrations. Their role extended beyond the ceremonial duties, as they were actively involved in setting up the event, managing the crowd, and ensuring smooth execution of the day's activities. Their discipline, leadership, and teamwork were evident throughout the event.







#### Rank Ceremony on the occasion of Vijay Diwas:

On the occasion of **Vijay Diwas**, which marks India's victory in the 1971 war and the creation of Bangladesh, Dr. C.V. Raman University organized a special **NCC Rank Ceremony** to honor and recognize the achievements of its cadets. This event not only celebrated the valor and sacrifice of the armed forces but also acknowledged the hard work and dedication of the university's NCC cadets.

In the **NCC Rank Ceremony**, two of the university's dedicated NCC cadets were promoted to higher ranks, in recognition of their outstanding performance and commitment to service.

- Mishal Shakti was appointed as an Under Officer
- **Prateek Kumar** was also promoted to the rank of **Under Officer**.

The rank ceremony was presided over by **Dr. Brijesh Singh**, Registrar of Dr. C.V. Raman University, along with **Mr. Amrish Kumar Singh**, Dean of Student Welfare (DSW), and **Mr.** 

**Rishu Kumar**, the NCC Officer. Their presence and support emphasized the importance of discipline, leadership, and service in shaping the future of the cadets. The promotion to the rank of **Under Officer** is a significant achievement for any NCC cadet, as it reflects their leadership abilities, dedication to duty, and consistent hard work. **Mishal Shakti** and **Prateek Kumar** were individually recognized for their exemplary performance during training camps, drills, and other NCC activities.



### Republic Day 2024

Dr. C.V. Raman University celebrated the **75th Republic Day** on **Friday**, **26th January 2024** with great enthusiasm and patriotic fervor. The event witnessed the active participation of NCC cadets, students, faculty, and staff members, reinforcing the spirit of national pride and unity. The celebrations included a flag-hoisting ceremony, a parade, award distribution to cadets, and cultural performances.

The ceremony commenced with the **hoisting of the national flag** by the **Registrar, Dr. Birjesh Singh**, who was the chief guest for the occasion. Dr. Singh was accompanied by the university leadership, including, **Dr. Dharmendra Kumar Singh**, Dean of Academics, **Prof. Amrish Kumar Singh**, Dean of Student Welfare (DSW).

After the flag hoisting, the **NCC cadets** of Dr. C.V. Raman University performed a **marchpast parade**, showcasing their discipline and dedication. The cadets' participation in the parade was a proud moment, demonstrating their commitment to national service and leadership training.

As part of the Republic Day celebrations, **NCC cadets** were recognized for their hard work and contributions. The following cadets were awarded prestigious ranks:

- **Puja Kumari** was promoted to the rank of **Under Officer**.
- Pallavi Kumari was awarded the rank of Sergeant.

The rank ceremony recognized the leadership qualities, discipline, and dedication demonstrated by these cadets. The promotions serve as an inspiration to other cadets to continue striving for excellence in their NCC training and overall development.

The students performed **patriotic songs, dance, speeches, and presentations** that highlighted the significance of Republic Day and India's journey towards independence and self-governance. Some of the notable performances included:

- Rituraj, Anisha Kumari, Ujala Kumari, Pallak Saloni, Ankita Kumari, Swapanil Tiwari, and Roshni Kumari performed patriotic songs and dances.
- Saurav Ankit, Banke Bihari, and NCC Cadet Piyush presented speeches and posters, reflecting the essence of patriotism and national pride.

The performances were highly appreciated by the audience and added a vibrant, celebratory atmosphere to the occasion.



#### **International Yoga Day**

Dr. C.V. Raman University, in collaboration with the **Ministry of Information and Broadcasting, Government of Bihar**, organized the **International Yoga Day** on **Friday, 21st June 2024**. The event was held with the aim of promoting the ancient practice of **Indian Yoga**, which focuses on enhancing physical, mental, and spiritual well-being.

The program began with a **lamp-lighting ceremony**, symbolizing the illumination of knowledge and the importance of yoga in daily life. The ceremony was jointly performed by the university's leadership and special guests: **Dr. M.L. Gaur**, Vice Chancellor, Dr. C.V. Raman University, **Dr. Basant Singh**, Pro Vice Chancellor, **Dr. Birjesh Singh**, Registrar, **Mr. Amrish Kumar Singh**, Dean of Student Welfare (DSW) and **Mr. Sarvjeet Singh**, representative from the Ministry of Information and Broadcasting, Government of Bihar. The dignitaries were also presented with **mementos** as a token of appreciation for their participation and support. Their presence reinforced the significance of Yoga and its holistic benefits. The event saw the active participation of over **100 students**, including **NCC (National Cadet Corps)** and **NSS (National Service Scheme)** cadets. The presence of **NCC cadets** added a sense of discipline and leadership to the event, reflecting the core values of the NCC program. Their participation in the Yoga Day celebrations was a testament to their commitment to both physical fitness and national service.

To make the event more engaging, a **Yoga quiz competition** was organized among the students. The quiz tested participants' knowledge about various Yoga practices, their benefits, and the history of Yoga. The quiz winners were:

- Ujjwal Anand, an NCC cadet
- **Sunny Kumar**, a member of the National Service Scheme (NSS)

Both were awarded **Yoga mats** as prizes for their excellent performance in the quiz. This not only acknowledged their knowledge but also motivated other students to deepen their understanding of Yoga and its practices.



#### Free Health Check-Up Camp

Dr. C.V. Raman University, in collaboration with **JayPrabha Medanta Hospital**, **Patna**, organized a **Free Health Check-up Camp** on **Saturday**, **20th July 2024**. The camp aimed at providing essential health services to the university community as well as the surrounding rural areas, promoting **health awareness** and **preventive healthcare**. This initiative was part of the university's ongoing efforts to serve the community and fulfill its social responsibility.

The Free **Health Check-up Camp** was inaugurated by the distinguished presence of university officials and medical professionals: **Dr. Jyotsna**, Chief Medical Officer, JayPrabha Medanta Hospital, Patna, who led the medical team. **Mr. Amrish Kumar Singh**, Dean of Student Welfare (DSW), Dr. C.V. Raman University, who was the main organizer from the university side.

The event was conducted with great enthusiasm and was aimed at providing quality healthcare services to the local population, including university students, staff, and people from nearby villages. The camp offered a comprehensive range of **free medical services** to the participants: **Weight measurement**, **Blood Pressure check**, **Blood Sugar (Diabetes) testing**, **Oxygen level monitoring and free Doctor consultations** 

The medical team from **JayPrabha Medanta Hospital** was well-equipped to handle the tests, ensuring that accurate health assessments were provided to every individual.

The **NCC cadets** of Dr. C.V. Raman University played an integral role in the smooth operation of the health camp. More than **30 NCC cadets** volunteered throughout the day, assisting in various administrative and logistical tasks. They helped with the registration process, guiding participants to the different health stations, and ensuring that all necessary protocols were followed. Their active involvement added a sense of discipline and organization to the event.



#### **Achievement Report of NCC**

The NCC cadets from Dr. C.V. Raman University, Bihar, Under Officer Mishal Shakti and Pratik Kumar, were selected to participate in the prestigious National Trekking Camp, organized by the NCC. The camp took place in Gaya from 31st October to 7th November 2024, offering a unique opportunity for cadets to enhance their trekking, survival skills, and leadership abilities.

Mishal Shakti and Pratik Kumar represented **Dr. C.V. Raman University**, bringing recognition to their NCC department. Throughout the camp,

they actively participated in trekking expeditions, problemsolving tasks, and leadership exercises. Their performance not only showcased their individual capabilities but also highlighted the strong training and preparation provided by the university's **NCC unit**.

The participation of these two cadets in the National Trekking Camp is a significant achievement for both the university and the **NCC unit**. It reflects the university's ongoing efforts to promote physical fitness, leadership, and community service among its students. The experience gained from the camp will undoubtedly contribute to their future roles as leaders in the NCC and inspire other cadets at Dr. C.V. Raman University to pursue similar opportunities.

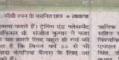




# - SECTION-09

**Press Releases** 





भाग तीने पाने जाती ने न केवल अपने ठकनेको सीमाल को निष्ठार है, साक उकनेको सीमाल को निष्ठार है, साक प्रवान केवें प्रारत्में के प्रवत्न कि निक्सान किंद प्रारत्में के प्रवत्न के मा अनुभव उनके लिए अपने पुरुषान की पुरीवर्ग का स्वान्य करने हुए सुलं कुछ मोठा है। या रागि राग निवाने जाती की राम उपनीय पर जी व्यानी में दाजी की रीत्र के पर कि





volucione elettes alla en el año el canco della erente de renes año el ello forente alemáns en enel acoro dels renes ens de servicione el finanziamente ens de servicione el ren els els de servicione de renesar a quela dencione en camericane el ter-

शिषिय का आयोजना जवारण्य विविध्यात हा कार्यप्र तिरुवाधिय का आयोजना तिरुवाधियात टार्य का कार्यप्र प्रमुद्ध प्रदेशियात हा कार्यप्र प्रमुद्ध प्रदेशियात हा कार्यप्र प्रवार प्रदेशियात हा कार्यप्र प्रवार प्र क्षेत्रियात कार्यप्र केर्यप्र कार्यप्र केर्यप्र कार्यप्र केर्यप्र कार्यप्र केर्यप्र कार्यप्र केर्यप्र कार्यप्र केर्यप्र केर्य

6 दैनिक जामरण परना, 13 सितंबर, 2023 कौशल दक्षता बढ़ाकर ज्ञान अर्जन की प्रक्रिया से जुड़ें विद्यार्थी <text><text><text><text><text>







# Bihar, Vaishali AN AISECT GROUP UNIVERSITY

Recognized by : UGC Approved by : AICTE, New Delhi

## **DR. C.V. RAMAN UNIVERSITY**

Village - Bafapur Banthu, Post: Bhagwanpur NH-22 Hajipur-Muzaffarpur Highway Vaishali, Bihar, Pin-code: 844114

#### **Contact More Information**

+91-7061331733, +91-8986210652 +91-8815077587, +91-8102609456  cvrubihar.ac.in info@cvrubihar.ac.in

#### Editor

Dr. Aditi Chaturvedi Prof. Ashutosh Ranjan, Miss Shakshi Chouhan **Graphic Designer** Mr. Hitesh Parmar