



गुरु घासीदास विश्वविद्यालय, बिलासपुर

Guru Ghasidas Vishwavidyalaya, Bilaspur

A Central University established by the Central Universities Act 2009 No. 25 of 2009

INFORMATION BROCHURE



School of Studies of Engineering & Technology

INFORMATION TECHNOLOGY

RANKING

T The
H Higher
E Education

RANKS GGV
48th

Amongst Top Universities of India (Both Government and Private Universities)

Guru Ghasidas Vishwavidyalaya (GGV) has earned a place among **India's top 50 universities** in The Times Higher Education World University Rankings. This achievement is attributed to our **Vice-Chancellor Professor Alok Kumar Chakrawal's leadership**.

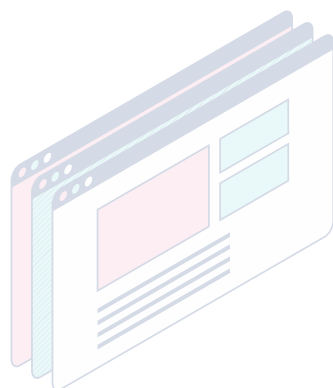
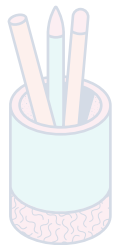
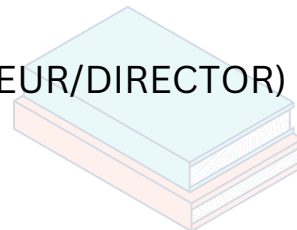
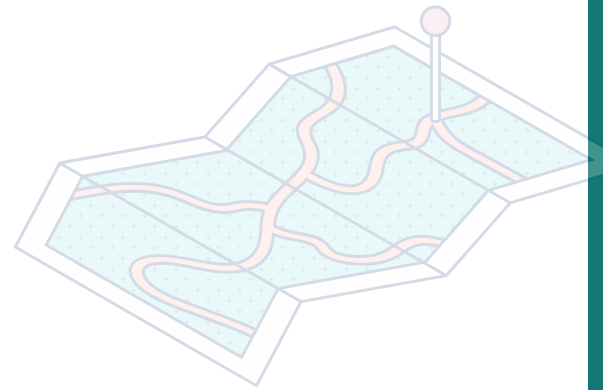
It is GGV's first international ranking, placing it in the **1001-1200 bracket globally**. Our success is linked to implementing the **National Education Policy-2020** and fostering a positive academic environment.

The university focuses on holistic student development through skill programs, collaborations, and startup initiatives, leading to **250+ patents and 15+ startups**.

Professor Chakrawal's commitment has elevated GGV's international academic standing. The **Times University Rankings involve 1799 universities worldwide**, emphasising the university's dedication to progress.

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Prof. Alok Kumar Chakrawal

Vice Chancellor,
Guru Ghasidas Vishwavidyalaya



Message from the Hon'ble Vice Chancellor

Guru Ghasidas Vishwavidyalaya is a Central University of Chhattisgarh, accredited with NAAC A++ and Ranked 48TH Times Higher Education owns the principal responsibility of providing job-oriented education, taking care of the educational aspiration, propagation of quality education, and enlightenment of the people of local society and remote areas.

We shall comprehensively make efforts to grow this University, named after the great saint Baba Guru Ghasidas, like a banyan tree of higher learning at national and international level. As we navigate the exciting path ahead, the IT department is poised to introduce cutting-edge programs, collaborative research endeavors, and industry partnerships that will position our graduates forefront of technological advancement.

Prof. A. S. Ranadive

Registrar,
Guru Ghasidas Vishwavidyalaya



Message from the Registrar

I am delighted to welcome you to the official page of the department of IT on the website of Guru Ghasidas Vishwavidyalaya (A Central University, NAAC Accredited with “A++” Grade) at Bilaspur, Chhattisgarh. GGV is a leader in providing excellent outcome-based education to engineering under graduate and post graduate students supported by project based learning and extracurricular activities for harmonious development of the students.

It gives me profound pleasure and pride to set out a remarkable education world in the Department of IT. It has been our endeavour, right from the beginning, to make the Departments a preferred destination for students who want to get to the top of this field. We aspire to mould our students into globally competent and well chiselled Computer Engineer who can meet the challenges of technological advancement. All efforts are also being made to inculcate social values and professional ethics in our students to face the current as well as future global standards. A well-qualified and competent faculty with well-equipped labs are committed to provide an excellent teaching methodology for bringing up the students into excellent engineers as well as good human beings.

Prof. Sharad Chandra Srivastava

Dean

School of Studies in Engineering &

Technology,

Guru Ghasidas Vishwavidyalaya



Message from the Dean

The students of B.Tech, M.Tech & Ph.D Scholars School of Studies in Engineering and Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur are ready to build their encroachment upon the professional arena. With uncompromising academic percentages, many bright students from GGV are nurtured as thoughtful techies because of their enthusiasm for the practical applicability of technology.

If required, they are eager to do things abundant beyond. I am delighted to present this vibrant batch of students at our Information Technology Department who are capable of achieving new heights. Our IT department ensures the overall development of the students and I can ensure that the department and its students perform with excellence in any activity assigned to them with their utmost enthusiasm and sincerity.

Dr. Rohit Raja

Head of Information Technology (IT)
Department
Guru Ghasidas Vishwavidyalaya



Message from the Head of the Department

I urge all stakeholders, both current and prospective, to take pride in our department, which not only excels today but is committed to shaping the future. The journey ahead is promising, and together, we will continue to elevate standards of excellence in education, research, and innovation.

I extend my best wishes to the Department of Information Technology (IT) for continued success and growth. May our collective efforts ensure that the department remains a global leader in nurturing the next generation of tech innovators.

About the Vishwavidyalaya

Guru Ghasidas Vishwavidyalaya is a Central University of India, located in city Bilaspur of State C.G., established under Central Universities Act 2009, No. 25 of 2009. Formerly called Guru Ghasidas University (GGU), established by an Act of the State Legislative Assembly, was formally inaugurated on June 16, 1983. GGU is an active member of the Association of Indian Universities and Association of Commonwealth Universities. Situated in a socially and economically challenged area, the university is appropriately named to honor the great Satnami Saint Guru Ghasidas (born in the 17th century), who championed the cause of the downtrodden and waged a relentless struggle against all forms of social evils and injustice prevailing in the society.



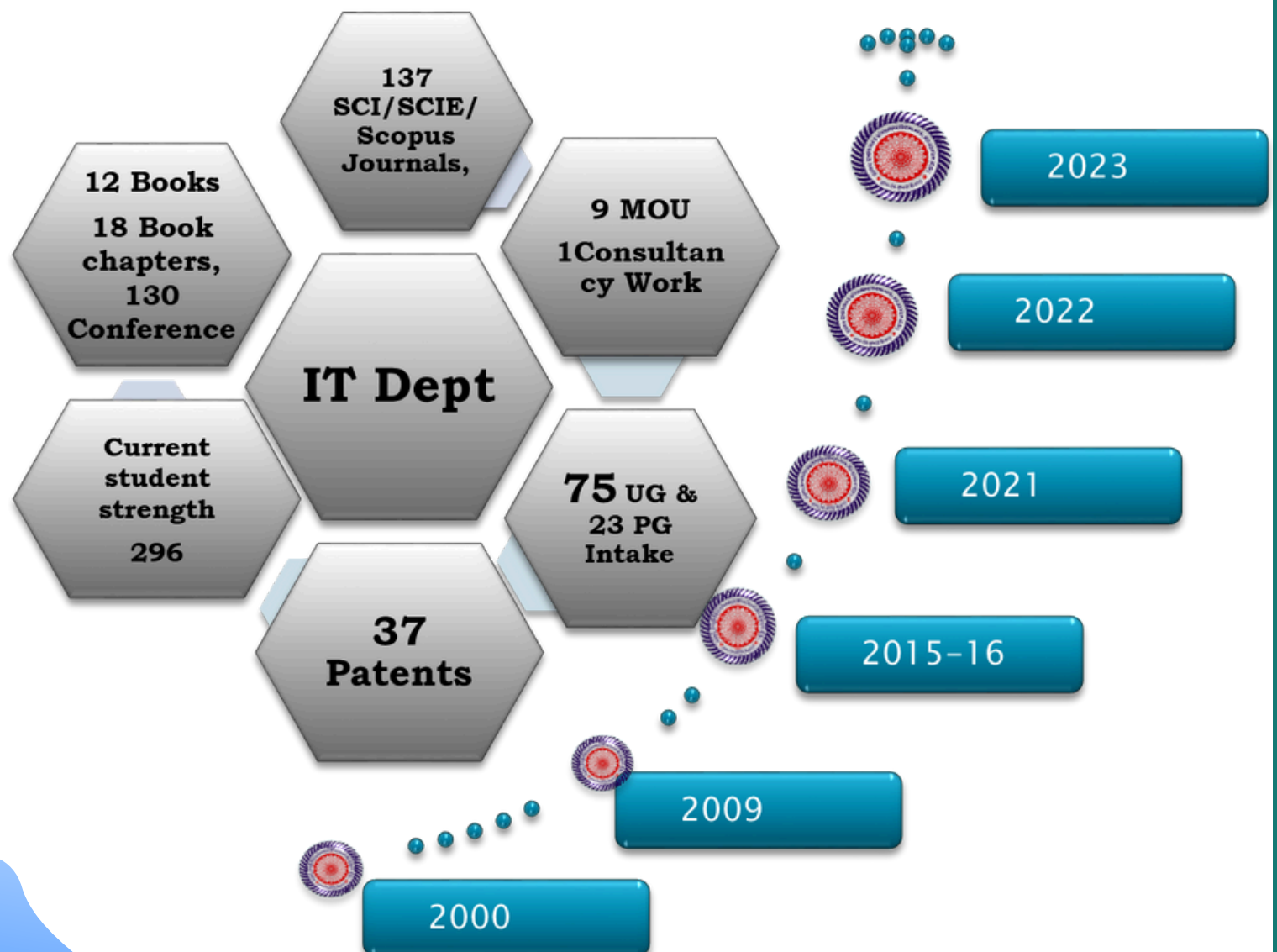
About the IT Department

The department has been conceived with the ambitious objectives of developing professional expertise and skilled manpower in Information Technology (IT) and related areas. This will contribute in enabling the country to exploit efficiently emerging opportunities, and meet economic challenges being thrown up by the rapid global IT revolution, which is influencing virtually every area of development and social activity. The syllabi and courseware are designed to be flexible and wide-ranging, incorporating the cutting edge as well as ensuring a firm grasp of core fundamentals. A modular course design, along with several opportunities for industry training, gives students the freedom to tailor their learning experience. The department is committed to establish facilities for education and training in the field of IT for students and faculty members. The alumni students of this department are performing well in different multinational companies (MNC's). Some of our students are performing well in the competitive exams of international/National repute like GRE, GATE, MATS etc.



Department Highlights

The IT Department at GGV, Bilaspur, began in 2000 with an undergraduate intake of 60 students. It became a Central University in 2009. The department has 296 students, offers UG and PG programs, and boasts 137 SCI/SCIE/Scopus journal publications, 37 patents, and 9 MOUs. Key milestones include CBCS implementation in 2015-16, NEP implementation and PG programs in 2021, and the start of a PhD program in 2022. It has produced 12 books, 18 book chapters, and 130 conference papers.



VISION

The vision of the IT Department at GGV, Bilaspur, is to be a global leader in education, research, and innovation, fostering the development of skilled professionals who will drive technological advancements and contribute to societal progress.

MISSION

The mission of the IT Department at GGV, Bilaspur, is to provide high-quality education, conduct pioneering research, and foster innovation. We aim to develop skilled IT professionals who can address global challenges and contribute to technological advancements.

OBJECTIVES

The objective of the IT Department at GGV, Bilaspur, is to cultivate a rigorous academic environment, promote innovative research, and ensure practical industry engagement. We aim to equip students with cutting-edge skills and knowledge, preparing them to excel in the evolving field of information technology.

Our Faculties Members



Dr. Manoj Kumar
Professor

Exp: 24 Year
Image Processing,
Computer Vision



Dr. Rohit Raja
Associate Professor

Exp: 15 Year
Digital Image
Processing, Medical
Image Processing



Dr. Amit Kumar
Khaskalam
Associate Professor

Exp: 24 Year
Embedded systems
& Material Science



Dr. Agnivesh Pandey
Assistant Professor

Exp: 12Year
Digital Image
processing,
Information Security



Dr. Rajesh Mahule
Associate Professor

Exp: 27 Year
Linked Open Data,
Semantic Web, Object
Oriented Analysis &
Design



Dr. Santosh Soni
Associate Professor

Exp: 13 Year
Wireless Sensor
Networks



Dr. Abhishek Jain
Assistant Professor

Exp: 12 Year
Biomedical signal
processing



Dr. Ankit Kumar
Assistant Professor

Exp: 10 Year
WLAN, Machine
Learning, Deep
Learning

Our Faculties



Dr. Amit Kumar
Dewangan
Assistant Professor

Exp: 10 Year
Text Mining, Data
Mining, Machine
Learning



Mr. Anand Prakash
Rawal
Assistant Professor

Exp: 12 Year
Wireless Sensor
Networks (WSNs),
Internet of Things



Mrs. Akanksha Gupta
Assistant Professor

Exp: 12 Year
Computer
Network,
Computer Vision



Mrs. Aradhana Soni
Assistant Professor

Exp: 5 Year
Cryptography
and Information
Security



Mr. Pankaj Chandra
Assistant Professor

Exp: 13 Year
Wireless Sensor
Networks



Mr. Deepak Kant
Netam
Assistant Professor

Exp: 12 Year
Artificial
Intelligence,
Machine learning



Mr. Suhel Ahamed
Assistant Professor

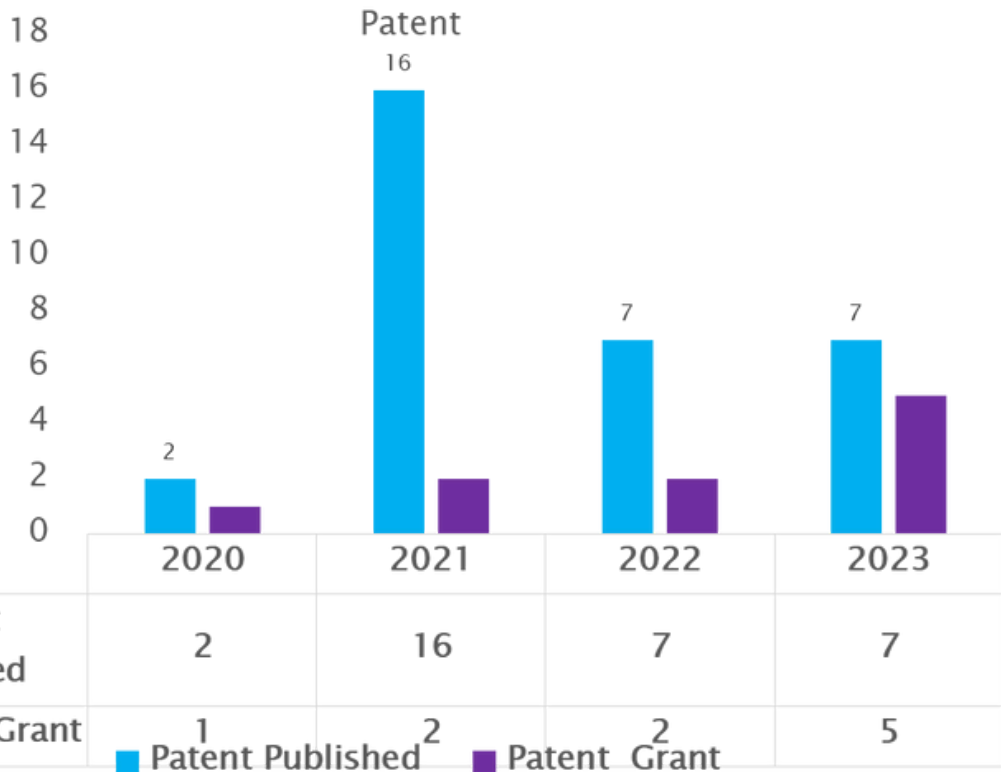
Exp: 12 Year
High Performance
computing, Cloud
Computing

Research Publications

The Department of Information Technology at GGV, Bilaspur, has demonstrated significant research activity over the years, as evidenced by their publications. From 2016 to 2023, the department has published extensively in various journals, conferences, and book chapters. The most notable period is 2022-2023, with a total of 116 journal articles (83 in SCI/Scopus, 22 in ESCI/UGC, and 11 in other journals) and 22 conference papers. The previous years show a consistent output, with 2021-2022 having 54 journal articles and 21 conference papers. Additionally, they have contributed 7 books or book chapters, indicating a comprehensive engagement in academic and scholarly dissemination. This activity highlights the department's commitment to advancing IT research and contributing to the global knowledge base.

Year of Publication	SCI/Scopus/UGC care and other Journals	Conference Papers	Books & Book Chapters
	SCI/Scopus/ESCI/UGC/Web of Science/Others	Papers published in conference proceedings	Number of books/chapters in edited volumes
2022-2023	116	22	08
2021-2022	54	21	04
2020-2021	29	14	02
2019-2020	17	02	05
2018-2019	15	01	06
2017-2018	05	01	04
2016-2017	02	01	2
Total	238	62	31

Research Accomplishments : Patents



Our Class Rooms

Our classrooms are designed to provide an exceptional learning environment that fosters academic excellence and innovation. Equipped with state-of-the-art technology, including smart boards, high-speed internet, and advanced audio-visual systems, our classrooms facilitate interactive and engaging teaching methods. The ergonomic seating and spacious layout ensure comfort and accessibility for all students, enhancing their focus and participation. Ample natural light and climate control create a pleasant atmosphere conducive to learning. All classrooms are designed to support collaborative learning, with flexible seating arrangements and breakout areas for group activities. These features collectively create an optimal setting for students to thrive academically and personally, preparing them for future success.



Our Laboratories

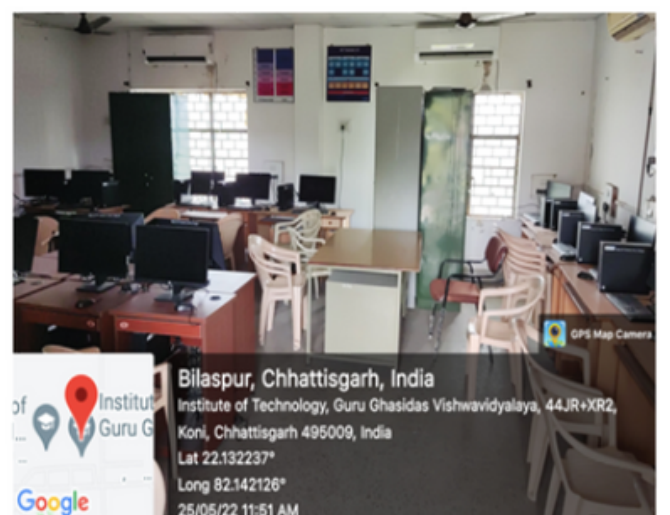
IoT Lab Facilities

The Internet of Things (IoT) Lab in our GGV IT Department is a state-of-the-art facility designed to foster innovation and research. Equipped with advanced hardware like Arduino, Raspberry Pi, and various sensors, the lab provides students and researchers with the tools needed to develop and test IoT solutions. The lab supports a wide range of projects, from smart home automation to industrial IoT applications. With access to high-speed internet and dedicated workstations, it offers an ideal environment for hands-on learning and experimentation. Regular workshops and collaboration opportunities with industry experts further enhance the learning experience, making it a hub for cutting-edge IoT development.



Our Laboratories

The IT Department at GGV, Bilaspur, boasts state-of-the-art laboratories designed to provide students with hands-on experience and foster innovation. Our Programming Lab is equipped with the latest software and tools, enabling students to hone their coding skills. The Simulation and Modelling Lab offers advanced resources for designing and analyzing complex systems, while the Operating System Lab provides an in-depth understanding of OS concepts through practical experiments. Additionally, we have specialized labs for networking, database management, and cybersecurity, ensuring comprehensive training across all IT domains. These facilities empower students to excel in both academic and professional pursuits.



Department Student Result

The IT Department at GGV, Bilaspur, has shown a consistent number of students appearing for and passing the final year examinations from 2018-2021. In 2022-21, 70 students appeared and 66 passed, while in 2021-20, 75 appeared and 69 passed. The 2020-19 batch saw 74 students appear with 68 passing. The trend continues with 50 appearing and 47 passing in 2019-18, and 39 appearing with 36 passing in 2018-17. This indicates a steady success rate in final year results.



- Number of students appeared in the final year examination
- Number of students passed in final year examination

Department Achievements



Department Achievements



Pride of Department (Entrepreneur/Director)



**Mr. Ravikant Shrivastava, 2005-2009,
Assistant Manager(Information
Security Lead)|SMART CITY|CEH**



**Ashish Kumar Pandey, 2011-
2015, Technical Team Lead ,
Octal IT Solution**



**Kshitij Meshram, 2000-2004,
Enterprise Architect and Chief
Data Architect**



**Om Prakash Verm, 2000-2004,
Director Product Management at
IQVIA**



**Dileep Kumar Joshi, 2002-2006,
WebMethods(ESB, BPM, WMIC,
webMethods.IO) Consultant**



**Pallavi Yadav 2008-2012
Technology Lead, Infosys
Limited Infosys Limited**

Collaborations MoUs

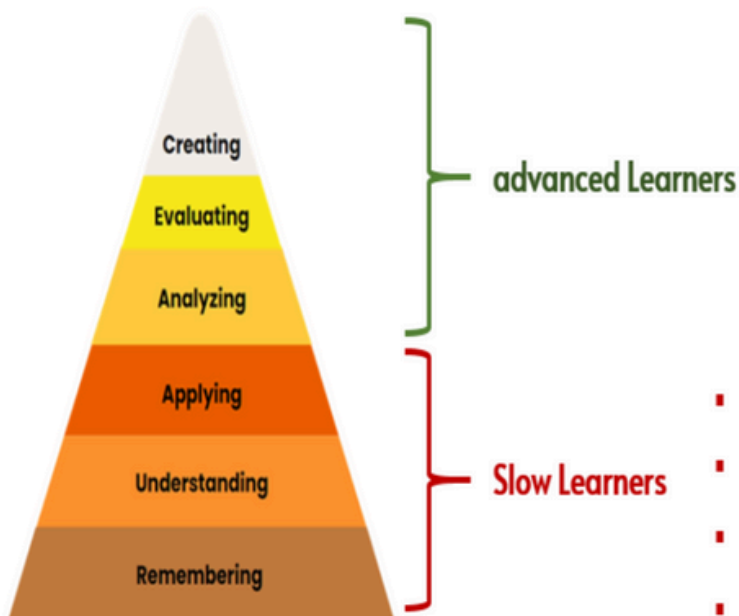
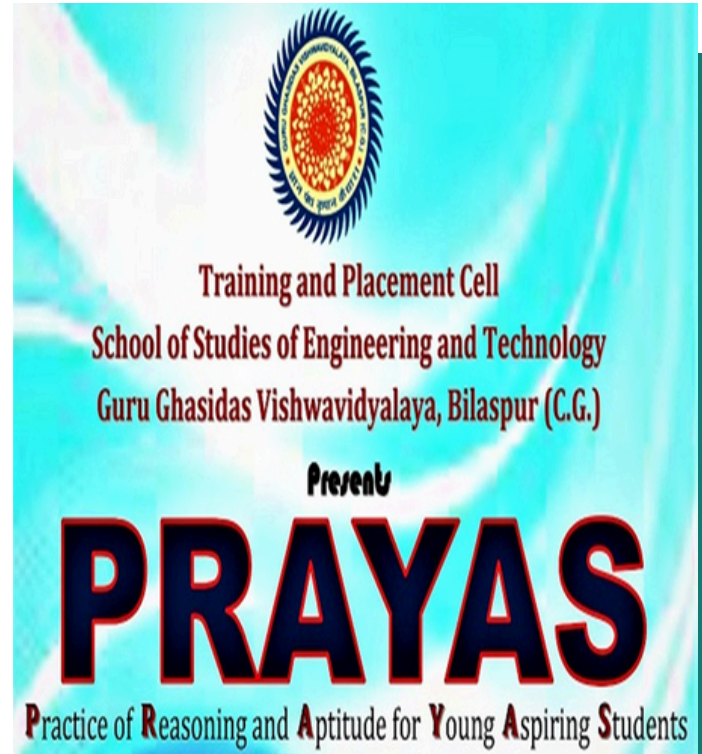
The IT Department at GGV, Bilaspur, actively pursues collaborations and MoUs with leading industry and academic institutions to enhance research, innovation, and student opportunities.

- Bharat Sanchar Nigam Limited, Bilaspur
- Jhajharia Nirman Limited, Bilaspur
- Ziroh Labs Pvt. Limited, Bangalore
- CIPET: IPT, Raipur
- MSME Technology Centre, Durg
- A2 Environment Consultant, Raipur
- PWD National Highway Division, Bilaspur
- B. Incube Incubation Centre, Bilaspur
- Smart Bridge Educational Systems Pvt. Ltd., Hyderabad

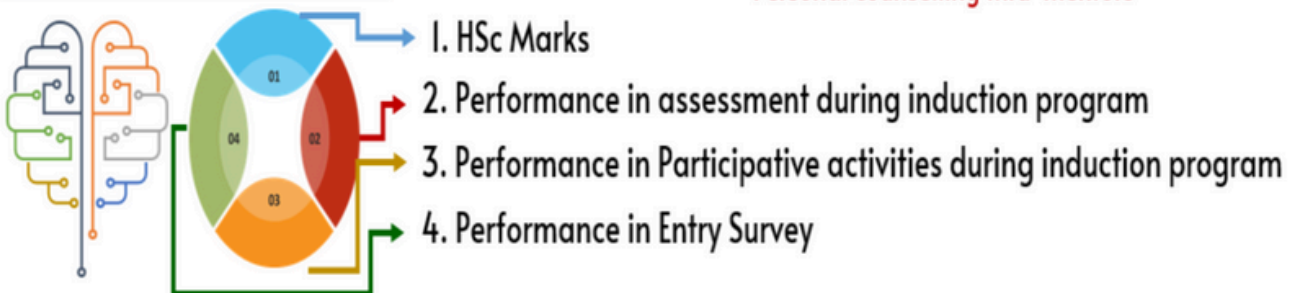


Best Practices

Incorporating industry-relevant projects, fostering interdisciplinary collaborations, and offering experiential learning opportunities, the IT Department at GGV, Bilaspur, implements best practices to cultivate well-rounded professionals equipped to thrive in the dynamic tech landscape.



- Project Based Learning
- Critical & Creative Thinking exercises
- Accelerated & Self Learning
- Participation in National level competitor
- Peer Teaching
- Peer learning and special tutorials
- Personalized Teaching & Training
- University Examination Preparation classes
- Personal counselling thru' mentors



Student Mentoring & Support

- ❑ Mentors are assigned to a batch of 30 students and remained same till student graduate from the college
 - ❑ Responsible for resolving problems of the students
- ❑ Personal enhancement and development schemes
 - ❑ Career counseling
 - ❑ Soft skill development
 - ❑ Career-path-identification
- ❑ Performance enhancement for fast and slow learner
 - ❑ Remedial classes are arranged
 - ❑ Extra problems/ exercises are assigned
 - ❑ Fast Learner are motivated to participate in Hackathon and other events
- ❑ Alumni Association



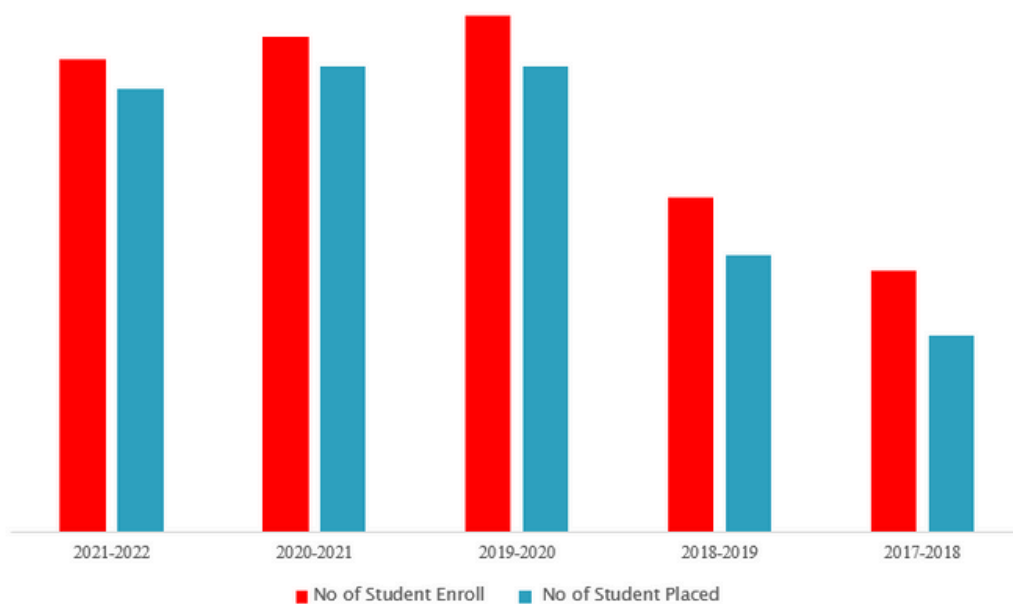
Placement Opportunities

For recruiters seeking top-tier talent, the IT Department at GGV, Bilaspur offers a pool of exceptional graduates equipped with industry-relevant skills and a strong foundation in technology. Our students are primed to drive innovation and excel in diverse professional environments.



Student Placement

The IT Department at Guru Ghasidas Vishwavidyalaya (GGV) in Bilaspur has shown promising placement trends over the past few years. Between 2017-2022, the number of enrolled students and those placed have remained relatively consistent, with a slight drop in placements for the 2017-2018 batch. The highest package offered during the 2018-2022 period was 12 lakh per annum, with an average package of 5 lakh per annum. For 2023, the highest package soared to 22 lakh per annum, indicating a significant improvement in placement opportunities. The ongoing placements for the 2023-2024 batch include both off-campus and campus recruitment drives, suggesting an active placement cell working towards securing better opportunities for its students.



Highest Package: 12 Lac
Average Package: 5 Lac
(2018-2022)

Highest Package: 22Lac
(2023)

***2023-2024 Batch
placement ongoing**
*off-campus and Campus Placement both

Auditorium

The state-of-the-art auditorium in GGV's IT Department provides a dynamic space for academic seminars, workshops, and cultural events, fostering collaboration and creativity among students and faculty.





“Empowering minds, shaping futures. In our IT Department, innovation meets excellence, paving the way for tomorrow's tech leaders.”



**Guru Ghasidas Vishwavidyalaya
School of Studies of Engineering & Technology
Koni, Bilaspur (C.G) - 495009**