Departmental Profile

Department of Information Technology

West Guwahati Commerce College-PIN-781012

Guwahati Assam

About the Department of Information Technology (IT): West Guwahati Commerce College is one of the foremost educational institutions in Kamrup (M) district. Though the the Department of IT was established in the year 2005 bu it primarily come into operation from 2013. The department of IT is dedicated to excellence in teaching and service. As a department of Information Technology, to offering solid foundation and broad understanding of the computer technology and its application. At present, there are only one (1) permanent faculty member in the department.

Vision:

1. To maintain an educational and professional atmosphere of diversity and inclusiveness at all levels

 2. To make the students understand the usages and application of computer technology

 3. To make the students competitive enough in the Global platform.

 Core Values

1. Excellence in teaching and service.
2. Critical thinking, creativity and originality in diverse service.
3. Respect for students, staff and faculty.
4. Community service at all levels-local, regional, state and national.
5. Academic freedom, personal responsibility and the traditions of higher education.
6. Diversity in student’s population, faculty, staff and teaching materials.
7. Details of the courses offered by the college (Current Academic Season)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Program level | Name of the program/course | duration | Entry qualification | Medium of instruction | Student strength | No. of student admitted |
| 1. | UG | B.com | 3Yrs/ 6 sem.  | 12th pass | Eng/Assa | 400 | 365 |

1. Annual/ Sem/Choice based credit system/elective course pattern (program wise)

|  |  |  |
| --- | --- | --- |
| Program  | Pattern  | Year of implementation |
| Information technology | 20:80 | 2013 |

1. Number of teaching Post in the department

|  |  |
| --- | --- |
| Designation | available |
| Assistant professor | 01 |
| Part Time | NIL |

1. Faculty profile with Name, Qualification, designation, area of specialization, experience and research guidance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | QUALIFICATION | Year of appointment | DESIGNATION | SPECIALISATION | EXPERIENCE |
|  Dr. Subrata Bhowmick | M.sc IT,Mcom, MBA,Bed | 2009 | Assistant Prof. | PhD(GU),NET | 15 yrs |

1. Research paper Published in journals
2. Correlation study between Emotional Intelligence and Job Satisfaction

EPRA international journal of economic and business review

ISSN no. 23490187 impact factor 8.003

1. A study of the relationship between Emotional Intelligence and Employees’ Job Performance with special reference to NE frontier Railway Head Quarter Maligaon Guwahati:

EPRA international journal of economic growth and environmental issues ISSN no. 23216247 impact factor 7.022

1. The effect of welfare measure on Employees’ Satisfaction in Indian railways ( special reference to NF railway –Guwahati Railway station)

Excellence international journal on education and research (EIJER)

ISSN No. 23498838 impact factor 4.015

1. Workers perception on the organizational climate of a manufacturing unit: International Journal of commerce and management research(IJCMR) VOI 2,

ISSN No. 24551627, Impact factor 5.22.

6. Workshop and seminar attended:

1. **National :**
2. Sustainable Agri Business Opportunities and Management practices towards developing the rural economy (Organized by department of business administration ,USTM, Sponsored by NABARD,2022)
3. A study on college teachers perception regarding HRD climate , HRM effectiveness and organizational effectiveness, with special reference to Guwahati city.( organized by department of business administration & faculty of commerce and management, Gauhati University, 2021)
4. A study on the problems and prospects of Higher education in India with special reference to Assam. (organized by IQAC cell kharupetia college, Kharupetia, Darrang Assam in collaboration with Assam Science Society, Mangaldai Branch 2015
5. A study on the Violation of Human rights with Special reference to Vergina Woolf’s ‘A room of One’s Own’( organized by IQAC, Guwahati College in collaboration with UNESCO,2017)
6. A study on the impact of education in women empowerment with spcial reference to North east ( Organized by IQAC cell , Gauhati College in collaboration with Unity education foundation,2016)
7. A study on the modernity in Assamese literature and culture( organized by dept. of Assamese in collaboration with Indira Gandhi National centre for the Arts, New Delhi, 2016)
8. A study on the impact of Information Technology in Banking Sector

(Organized by Gauhati Commerce College, Sponsored by ICSSR-2018)

1. **International :**
2. A study on the relation between poverty and social issues in NE India with special relation reference to greater Gauhati Region-An Extensive Study”( Organized by Pramathesh Barua College, Gauripur, Assam in Collaboration with NABARD, Ajmal Foundation and SBI( kismet hasdah branch,2016)
3. A study on the Quest for identity in the North Eastern Region of India. (Organized by Department of MIL and LS Gauhati University in collaboration with NEINAD, 2016).
4. **Webinar (national /international):**
5. Global Vs. Local brands : Issue of sustainability and management (DK college Mirza 2020)
6. Stress Management on students during COVID 19 pandemic ( organized by Gauhati Commerce College in association with ALCOM 2020)
7. Neo-Vaisnavite Sattras of Assam: royal patronage and cultural development ( organized by IQAC Karmashree Hiteshwar Saikia College 2020)
8. Global crisis of COVID 19 Pandemic ( department of Assamese and IQAC cell Karmashree Hiteshwar Saikia College 2020)
9. COVID 19- A Gender Analysis ( Department of English and MIL ,IQAC cell, Mayang Anchalik College)
10. Atmanirbhar Assam through Entrepreneurship: challenges and opportunities: ( organized by department of history and economics in association with IQAC cell Mayang Anchalick College)
11. New education policy 2020 : Envisioning the prospect of higher education (organized by Keshav memorial college of law, Hyderabad 2020)
12. Accounting as a Dynamic profession (Organized by Gauhati commerce college 2017)
13. Awareness programme on the use of Online resources (Organized by West Gauhati Commerce college in collaboration with Accountancy department Dispur College)

7. Students undertaking field project/ internship/in house projects/departmental projects:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| year | Field project | internship | Sem | In house projects/departmental projects |
| 2013 | NA | NA | 6th | Project report on ms office  |
| 2014 | NA | NA | 6th | Project report on IT including presentation |
| 2015 | NA | NA | 6th | Project report on IT including presentation |
| 2016 | NA | NA | 6th | Project report on IT including presentation |
| 2017 | NA | NA | 6th | Project report on IT including presentation |
| 2018 | NA | NA | 6th | Project report on IT and Test was held |
| 2019 | NA | NA | 3rd | Project report on computer application in business |
| 2021 | NA | NA | 3rd | Presentation and project report on CAB |
| 2022 | NA | NA | 4th | Presentation and project report on Ecommerce |

N.B: Diverse topics are suggested in the different years by the Information technology department and the presentation and projects are prepared on the basis of the said topics.

8. Award and recognition received by the faculty:

|  |  |  |  |
| --- | --- | --- | --- |
| Year of the award | Name of the faculty | designation | Name of the award |
| 2019 | Dr. Subrata Bhowmick | Assistant Prof. | Teachers Award for outstanding contribution and efforts towards the development of the student community |
| 2022 | Dr. Subrata Bhowmick  | Assistant Prof. | PhD. Award from Gauhati university for the Thesis entitled as Effect of Emotional Intelligence on the Employees’ Satisfaction and Performance in NF Railway  |

9. Students Profile program/course wise:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| year | Name of program/course |  subject |  enrolled | Total number of students |
| MALE | FEMALE |
| 2014 | Bcom 6TH SEM | IT | 180 | 170 | 350 |
| 2015 | Bcom 6TH SEM | IT | 200 | 142 | 342 |
| 2016 | Bcom 6TH SEM | IT | 200 | 130 | 330 |
| 2017 | Bcom 6TH SEM | IT | 215 | 109 | 324 |
| 2018 | Bcom 6TH SEM | IT | 200 | 113 | 313 |
| 2019 | Bcom 6TH SEM | IT | 220 | 115 | 335 |
| 2020 | Bcom 3RD SEM | CAB | 170 | 152 | 224 |
| 2021 | Bcom 3RD SEM | CAB | 200 | 112 | 312 |
| 2022 | Bcom 4TH SEM | ECOM(optinal) | 181 | 123 | 304 |

 10. Department Result

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Program code | Program Name | No. of student appear in the final exam | No. of student passed in the final examination |
| 2014 | Bcom 6TH SEM | IT | 350 | 350 |
| 2015 | Bcom 6TH SEM | IT | 342 | 342 |
| 2016 | Bcom 6TH SEM | IT | 330 | 330 |
| 2017 | Bcom 6TH SEM | IT | 324 | 324 |
| 2018 | Bcom 6TH SEM | IT | 313 | 313 |
| 2019 | Bcom 6TH SEM | IT | 335 | 335 |
| 2020 | Bcom 3RD SEM | CAB | 224 | 224 |
| 2021 | Bcom 3RD SEM | CAB | 312 | 312 |
| 2022 | Bcom 4TH SEM | ECOM | 304 | 304 |

11. Details of the infrastructure facility

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No. | Library | ICT room | Internet facility | Lab. | Equipment and Instrument |
| 1.  | Yes(common Library),No departmental library | NIL | For faculty (available) | NIL | Four No. of computer  |

12. Number of students gets financial assistance from College

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Subject | Reason for assistance | Number of student |
| 2015 | IT | Scoring 10 points CGPA | 2 |
| 2017 | IT | Scoring 10 points CGPA | 1 |
| 2019 | IT | Scoring 10 points CGPA | 1 |

13. Details of students enrichment program:

|  |  |  |  |
| --- | --- | --- | --- |
| Sl No. | Class | Year | Enrichment program |
| 1 | 6th sem students | 2014 | Presentation(IT inclusion) |
| 2 | 6th sem Students | 2015 | Presentation(Computer Generation) |
| 3 | 6th sem students | 2016 | Presentation(Types of computers and their utilities) |
| 4 | 6th sem Students | 2017 | Presentation(information technology as a multidisciplinary in nature) |
| 5 | 6th sem students | 2018 | Presentation(information technology and its application in various fields of education) |
| 6 | 3rd sem students | 2019 | Presentation(Application of computer in the field of Business |
| 7 | 3rd sem students | 2021 | Presentation (MS office and data base management and its application) |
| 8 | 4th sem students | 2022 | Presentation(Ecommerce and its usefulness) |

14. Teaching methods adopted to improve student learning-

* + PowerPoint presentation

 15. Some lessons are taught outside of the classroom (Vachan Katta)

* Use of Video Clips
* Project Work
* Video Conferencing Lecture
* Organized Workshop
* Online NPTEL courses
* Online NPTEL/UGC-SWAYAM lectures
* Students seminars
* Field projects/Survey
* Review of research papers

NB: The red indicates “still not implemented”

16. Participation in Institutional Social Responsibility (ISR) and Extension activities

|  |  |  |
| --- | --- | --- |
| IQAC MEMBER | CAMPUS SUPERVISION COMMITTEE MEMBER |  DEVELOPMENT ACTIVITY |
|  Yes |  NIL | YES( PLANTATION ACTIVITY) |

SWOC analysis of the department:

Strength

Experienced & Committed Teachers
Well-equipped lab with internet facilities
Motivating and dedicated faculty members
Good result and increase in student strength.
ICT enabled teaching

Weakness

No separate space for the departmental library
No interdisciplinary activities

Opportunities

To help and guide poor and average students
To increase campus placements
To improve soft skill for personality development.
To train students to face entrance tests like MCA, M.Sc. and MBA
To provide quality education and special focus on rural backward student

Challenges

Organization of International Seminar/Conference
placing the students
updating latest developments in the field of computer science

17. Future Plan:

* To establish collaboration and exchange program for faculties and students with reputed institutes
* To submit proposals to funding to develop a well equipped computer lab.
* To sign MOU with industries to get Industry Sponsored Projects and Internship, Training to Students
* To motivate faculty for Industry Interaction with objectives to get Sponsored Projects and Placement of Students.
* To convert the department into a leading research center in the country in specialized areas of Information Technology like Cyber security, Cloud computing, Artificial Intelligence and Machine Learning, Web Technology etc.

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