CRITERION 2- TEACHING-LEARNING AND EVALUATION

2.3.1 Student-centric methods are used for enhancing learning experiences by: Experiential learning, Integrated/Inter-disciplinary learning, Participatory learning, Problem-solving methodologies, Self-directed learning, Patient-centric and Evidence-based learning, The Humanities, Project-based learning, Roleplay





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Detailed Description of Student-Centric Learning Methods in the Management Department

The Management Department, offering programs such as **Master of Hospital Administration (MHA), Master of Public Health (MPH), BBA (Finance & Taxation), BCA (IT & Multimedia), and B.Com (Hons.),** is committed to employing a wide range of **student-centric teaching-learning methodologies** that foster active engagement, critical thinking, practical skill development, and professional preparedness.

1. Experiential Learning

Experiential learning is a foundational element across all programs.

- For **MHA and MPH students**, clinical postings, hospital visits, and community health postings offer firsthand exposure to healthcare delivery, administrative processes, and public health challenges. These immersive experiences enable students to observe, participate, and reflect on real-world healthcare settings, strengthening their ability to manage complex health systems effectively.
- Students of **BBA (Finance & Taxation)** and **B.Com (Hons.)** engage in internships with banks, tax firms, and corporate finance departments. These internships involve tasks such as financial analysis, tax filing, auditing, and compliance checks, enabling them to apply theoretical finance and taxation knowledge in practical environments.
- **BCA (IT & Multimedia)** students undertake live projects and internships in software firms, digital marketing agencies, and multimedia production houses, which help them enhance technical skills like coding, app development, graphic design, and multimedia content creation.

2. Integrated and Interdisciplinary Learning

The department fosters an integrated curriculum linking different disciplines to provide a broad-based perspective.

- For instance, **BBA and B.Com students** study finance and taxation along with marketing and management to understand business operations holistically.
- **MHA and MPH students** explore public health, hospital administration, and healthcare economics, integrating health sciences with management principles.
- **BCA students** learn IT fundamentals alongside business communication and project management, preparing them for interdisciplinary work environments. This approach encourages students to connect concepts across fields, promoting innovation and comprehensive problem-solving.

3. Participatory Learning

Active participation is encouraged through various modes:

- Group discussions and case study presentations are common across all programs, fostering peer learning and critical debate.

- Seminars, workshops, and guest lectures by industry experts and academicians provide interactive platforms for students to engage with current trends and professional practices.
- Peer teaching and collaborative assignments encourage students to learn from and support each other, developing teamwork and leadership skills.

4. Problem-Solving Methodologies

To cultivate analytical and decision-making skills, the department uses:

- **Case studies** relevant to healthcare management, finance, IT projects, and commerce that require students to analyze scenarios, identify issues, and suggest solutions. For example, MHA students work on hospital operations optimization cases, while BBA students analyze financial crises in real companies.
- **Simulations and role plays** allow students to practice negotiation, crisis management, and leadership in controlled environments.
- Scenario analysis exercises challenge students to evaluate outcomes of business or healthcare decisions, encouraging strategic thinking.

5. Self-Directed Learning

The department promotes autonomy by:

- Encouraging students to undertake **independent research projects** aligned with their interests and career goals.
- Facilitating access to **digital libraries, online courses, and MOOCs** so students can deepen knowledge beyond the syllabus.
- Assigning tasks that require information gathering, critical evaluation, and presentation, fostering responsibility and lifelong learning skills.

6. Patient-Centric and Evidence-Based Learning (For MHA and MPH)

A specialized focus is given to:

- Training students to prioritize patient welfare and ethical considerations in healthcare decision-making.
- Utilizing epidemiological data, healthcare reports, and scientific literature to make informed, evidence-based management decisions.
- Encouraging participation in public health surveys and research projects that provide practical exposure to community health needs and outcomes.

7. The Humanities and Ethical Awareness

All programs integrate humanities to build:

- Understanding of **business ethics, corporate social responsibility, and healthcare ethics**, ensuring students develop moral reasoning and social accountability.
- Communication skills through courses and activities focused on writing, presentations, and interpersonal interactions.

8. Project-Based Learning

Students undertake significant projects that:

- Involve problem identification, research, planning, execution, and presentation.
- Examples include financial audits and tax planning projects for BBA/B.Com students, software and multimedia development projects for BCA students, and healthcare program evaluation for MHA/MPH students.
- These projects encourage teamwork, time management, and applied learning.

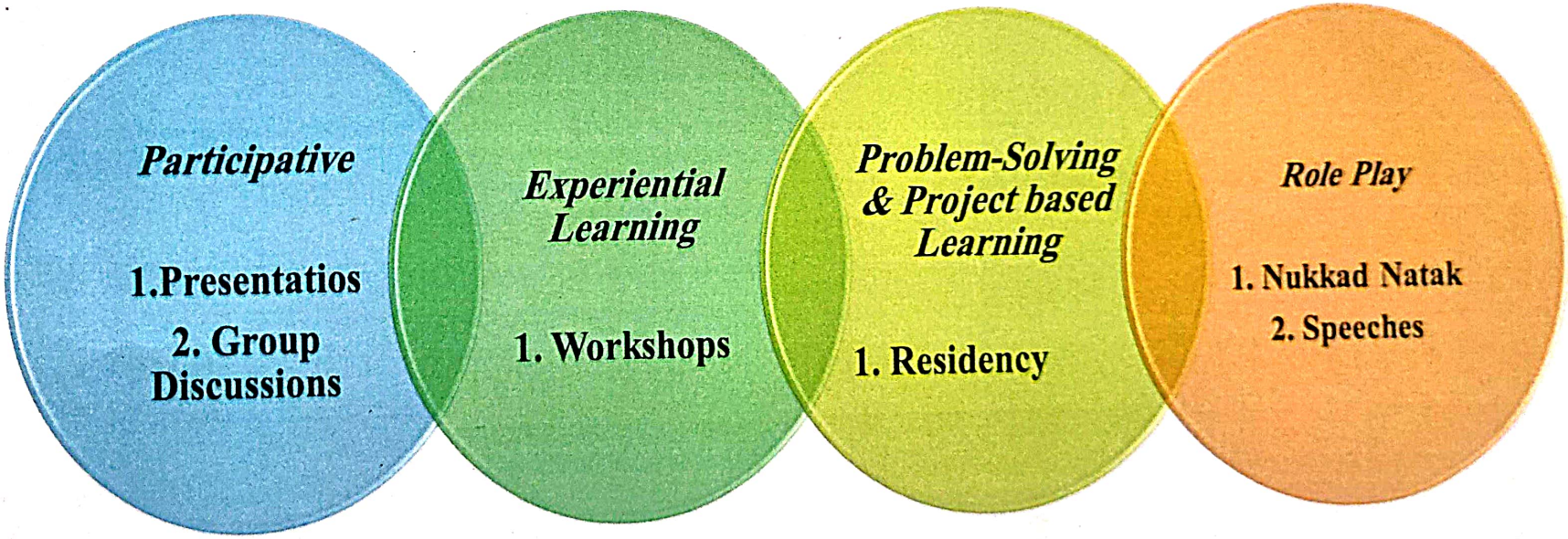
9. Role Play and Simulation

Used extensively to:

- Develop interpersonal skills such as negotiation, counseling, and conflict resolution.
- Enable students to simulate real-life scenarios such as hospital crisis management (MHA), tax consultations (BBA), or IT client interactions (BCA).
- Enhance empathy and professional conduct, critical for healthcare and business sectors alike.

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2.3.1 – Student – centric methods are used for enhancing learning.



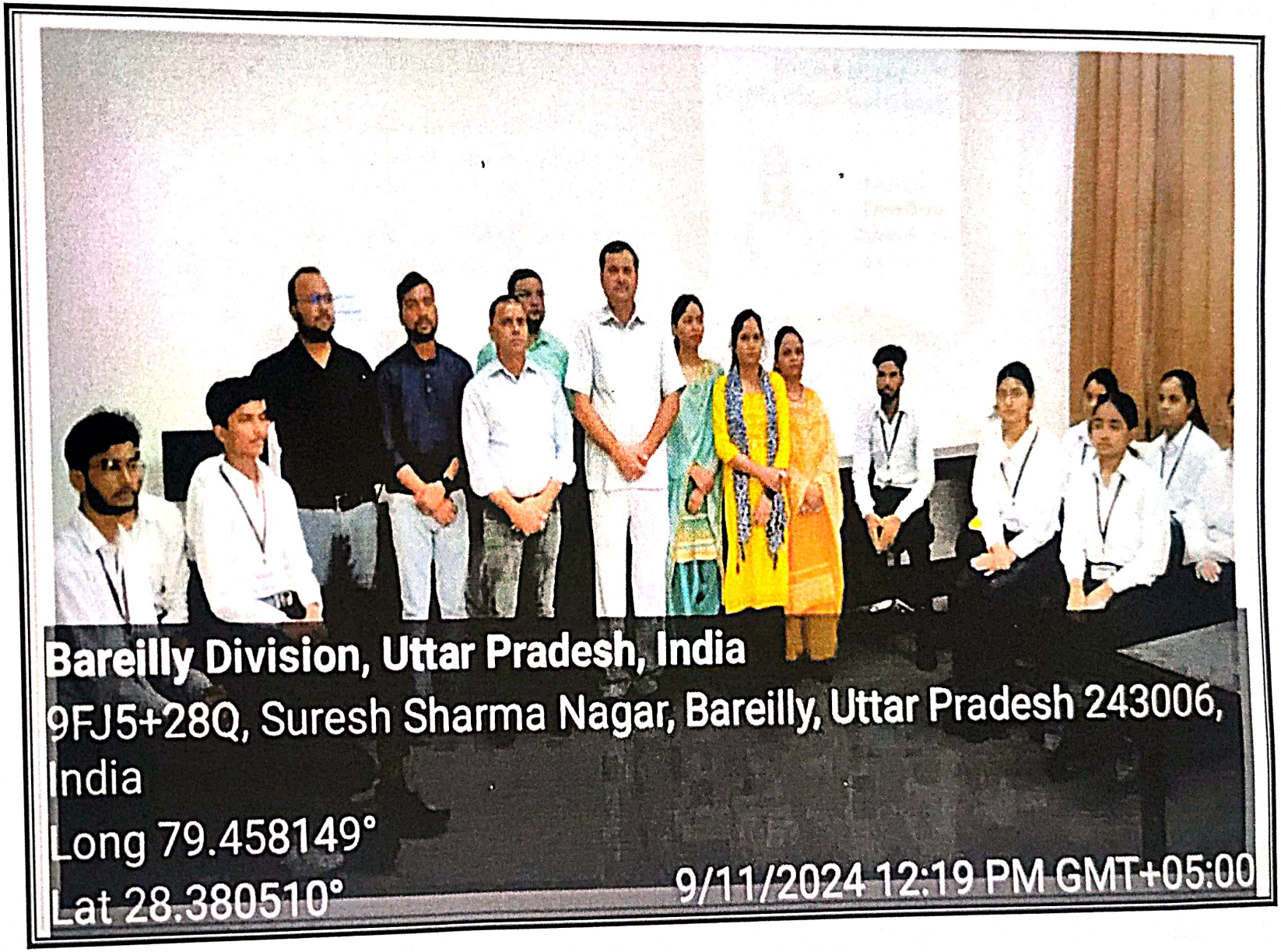
Group Discussion on Gender Equality in a Workplace



WORKSHOP


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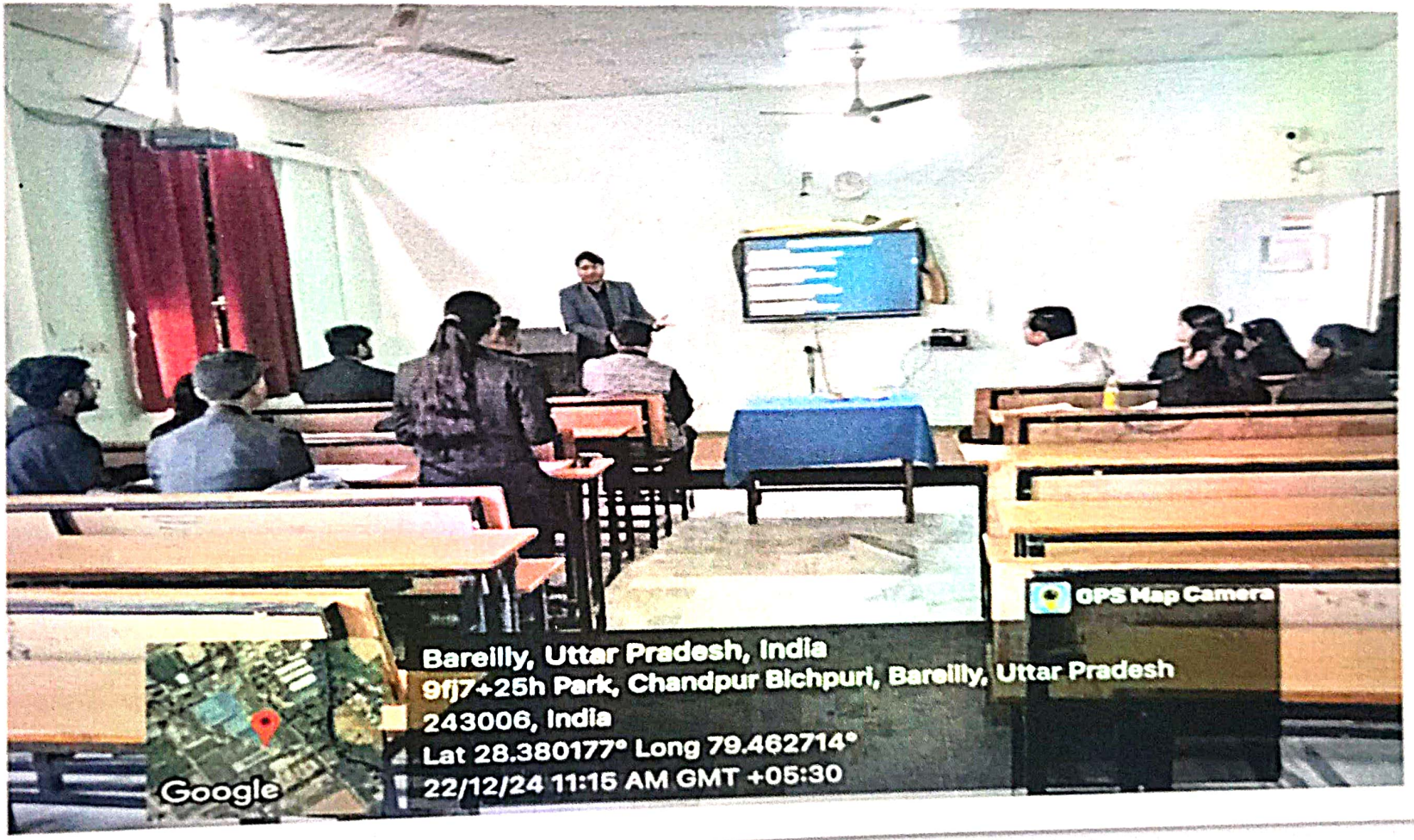

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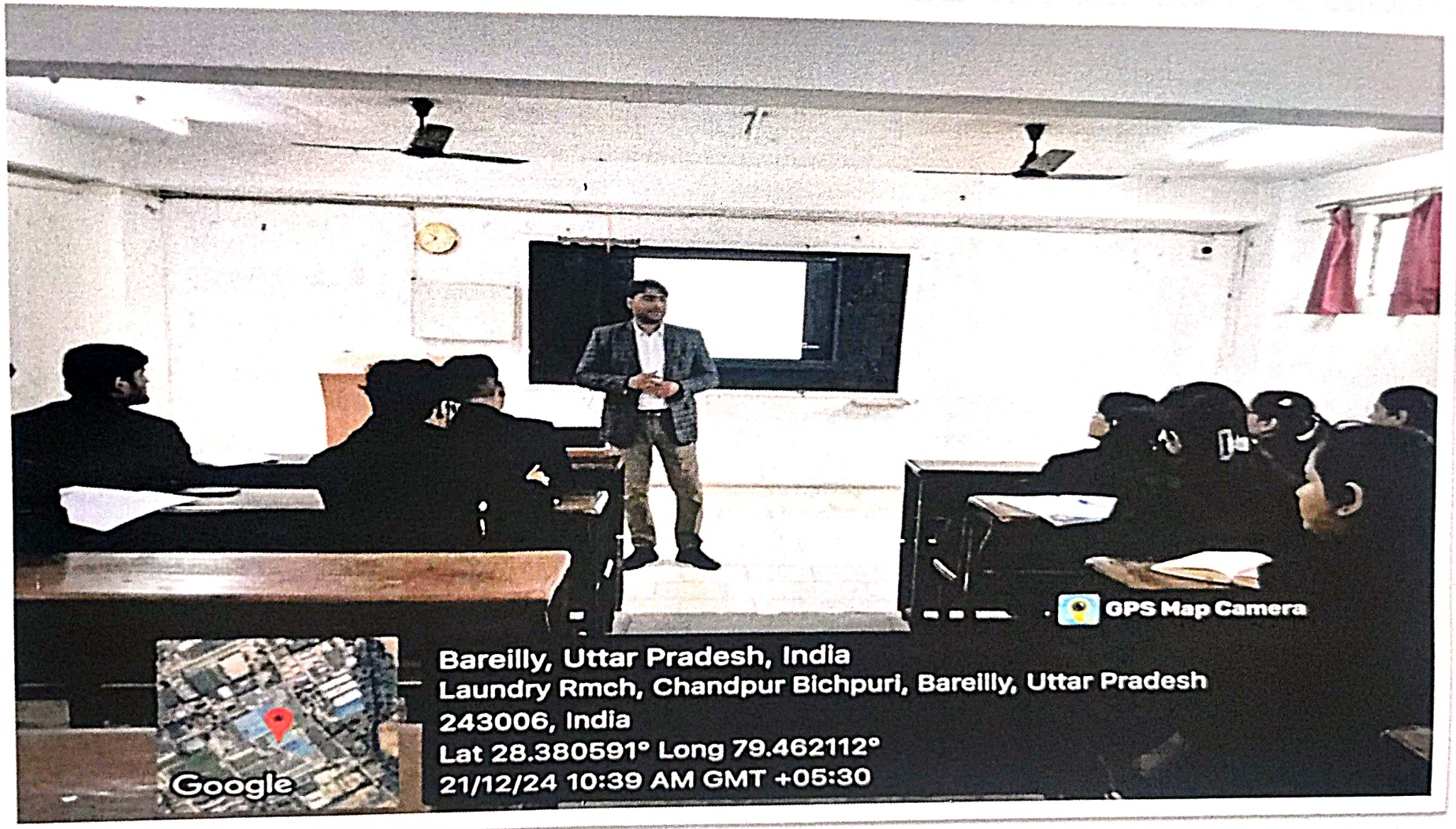

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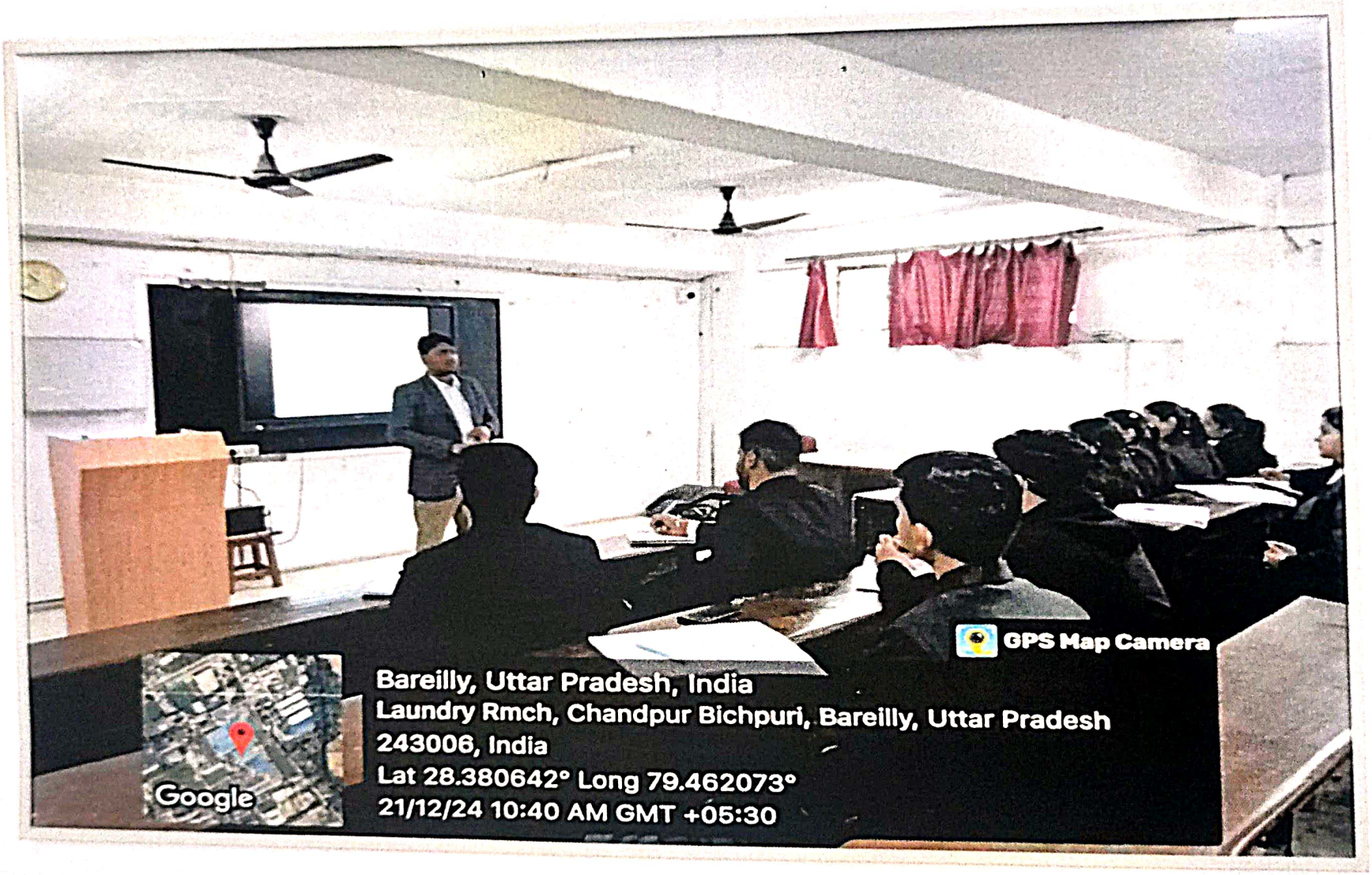

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Master of Hospital Administration
Hospital Operation Management




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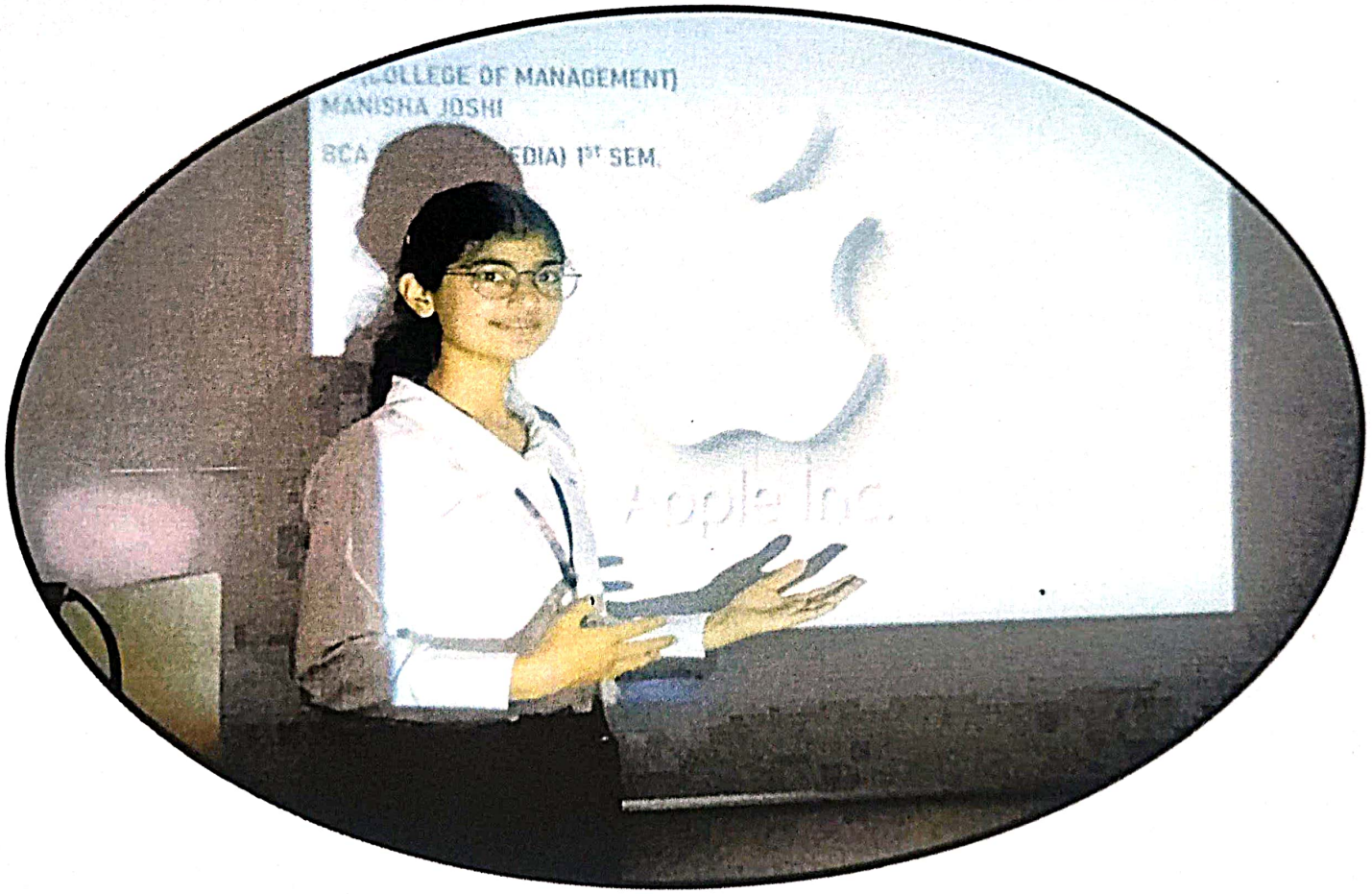

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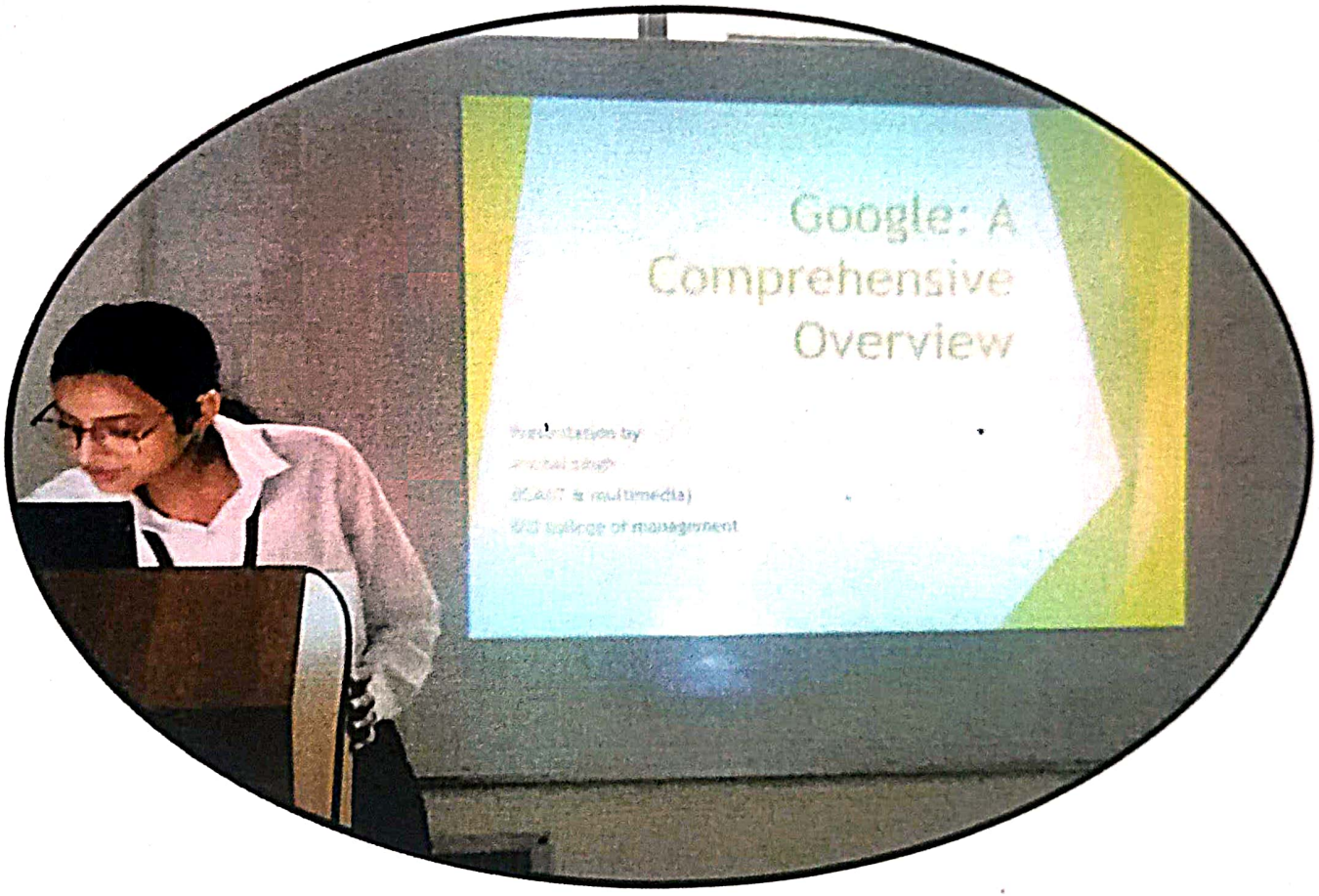

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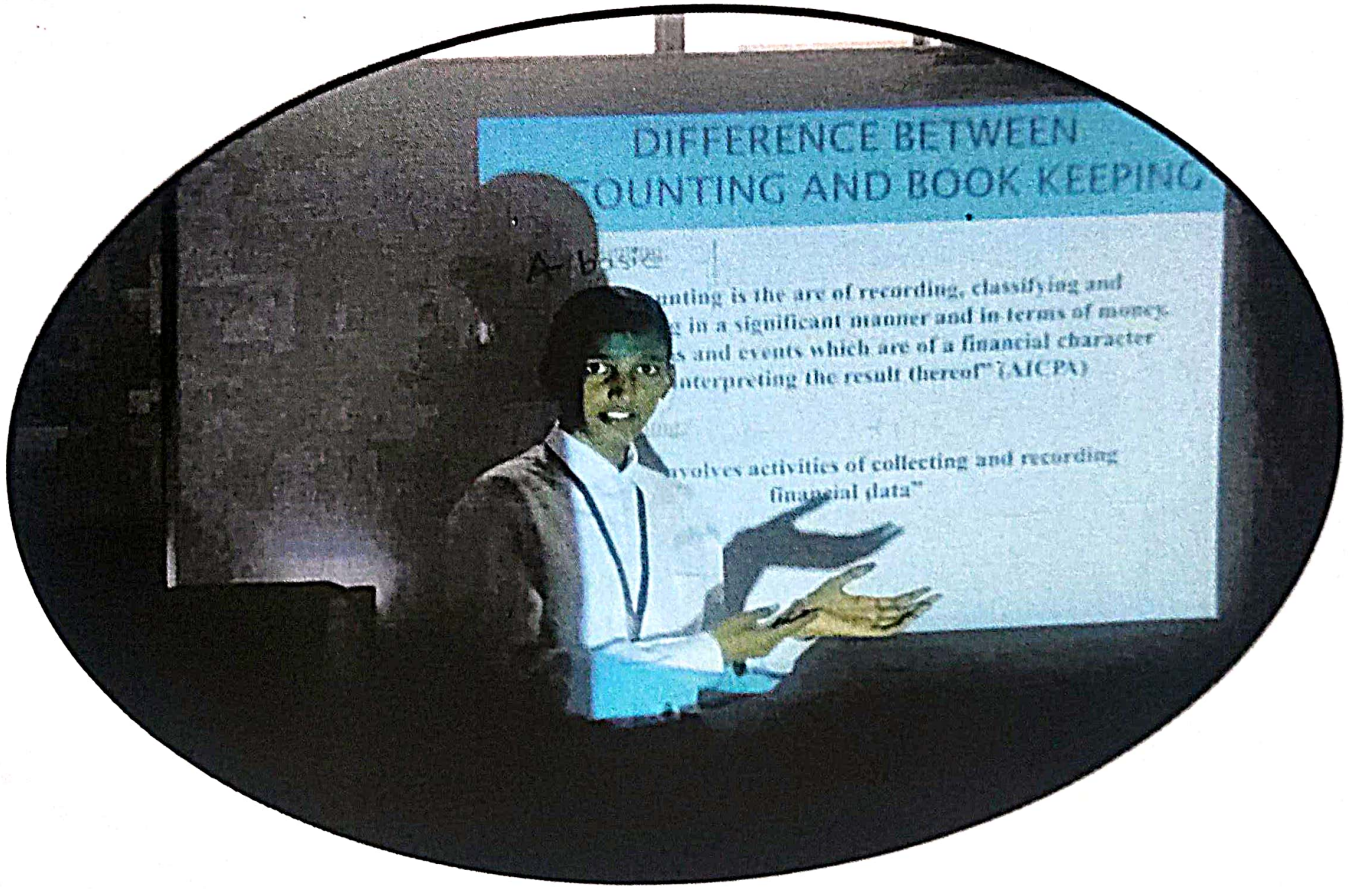

GUEST LECTURE
Feedback and Suggestions
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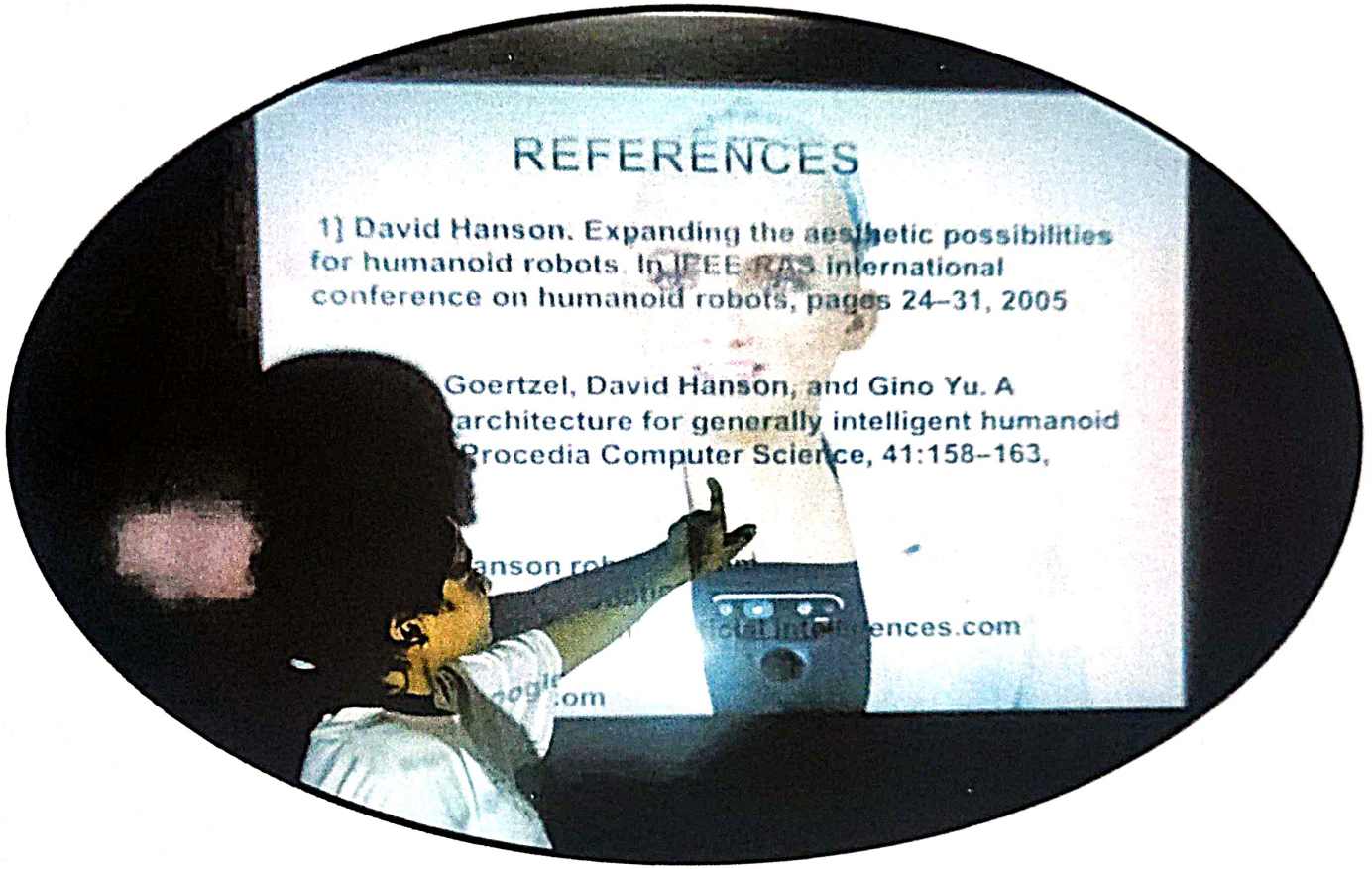
PRESENTATIONS




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Overview


DIFFERENCE BETWEEN
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A-basic
nting is the are of recording, classifying and
in a significant manner and in terms of money
s and events which are of a financial character
nterpreting the result thereof" (AICPA)
volves activities of collecting and recording
financial data"


REFERENCES
1] David Hanson. Expanding the aesthetic possibilities for humanoid robots. In IEEE-RAS international conference on humanoid robots, pages 24–31, 2005
Goertzel, David Hanson, and Gino Yu. A architecture for generally intelligent humanoid Procedia Computer Science, 41:158–163,

CRITERION 2- TEACHING-LEARNING AND EVALUATION

2.3.3 Teachers use ICT-enabled tools for effective teaching and learning process, including online e-resources





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Use of ICT-Enabled Tools and Development of Innovative Learning Material

To enhance the quality of teaching-learning processes and make them more student-centric, the faculty members at our institution actively integrate Information and Communication Technology (ICT) tools into their pedagogical practices. These tools are used for content delivery, learner engagement, formative and summative assessments, and personalized learning interventions.

ICT Tools Used by Faculty

Faculty members utilize a wide range of ICT-enabled tools and platforms to make the learning process more interactive and efficient. These tools include:

- **Learning Management Systems (LMS):** Google Classroom, Moodle, Microsoft Teams for content dissemination, assignments, and feedback.
- **Video Conferencing Tools:** Zoom, Google Meet, and Microsoft Teams for conducting live interactive sessions.
- **Content Creation Tools:** PowerPoint with embedded media, Prezi, Canva, Screencast-O-Matic, and OBS Studio for developing engaging lecture materials and video content.
- **Digital Whiteboards:** Jamboard, Microsoft Whiteboard for interactive discussions.
- **Online Assessment Platforms:** Google Forms, Socrative, Kahoot, Mentimeter, Quizizz, and Edmodo for real-time quizzes, polls, and assessments.
- **E-Resources and Databases:** SWAYAM, NPTEL, Coursera, e-PG Pathshala, NDLI (National Digital Library of India), INFLIBNET for accessing quality digital content and supplementary learning resources.
- **Subject-Specific Software Tools:** MATLAB, AutoCAD, Tally, Python, R Studio, SPSS depending on the department for practical and analytical learning.
- **Simulations and Virtual Labs:** IIT Virtual Labs, PhET Simulations, and other discipline-specific virtual experiments.

These tools collectively enable blended and flipped classroom methodologies and support active learning and outcome-based education.

Faculty-Wise Development of Innovative Learning Materials on ICT Platforms

Our faculty members have developed innovative and ICT-based learning materials tailored to the needs of their specific subjects and students. These materials are accessible to students through various online platforms and institutional portals:

- **Science Faculty:**
  - Recorded lectures and demonstration videos of lab experiments.
  - Interactive simulations and animations for complex scientific concepts.
  - Self-assessment MCQ banks with automated feedback.
- **Commerce and Management Faculty:**
  - Case studies and virtual business simulations.
  - Video tutorials on accounting software (e.g., Tally, Excel).
  - Online discussion forums for entrepreneurial projects and group learning.
- **Humanities Faculty:**

- Digital storytelling, annotated literature texts, and virtual museum tours.
- Integration of audio-visual content for enhancing understanding of historical and literary topics.
- Use of blogs and digital portfolios to encourage reflective learning.

- **Computer Science and IT Faculty:**
  - Code repositories, GitHub classroom projects.
  - Recorded walkthroughs of programming and software development assignments.
  - Use of virtual labs and collaborative coding platforms like Replit and Jupyter Notebooks.
- **Education and Teacher Training Faculty:**
  - Micro-teaching videos and e-content on pedagogy and assessment strategies.
  - ICT-integrated lesson plans and digital teaching aids.
  - Webinars and modules on NEP 2020, inclusive education, and digital pedagogy.

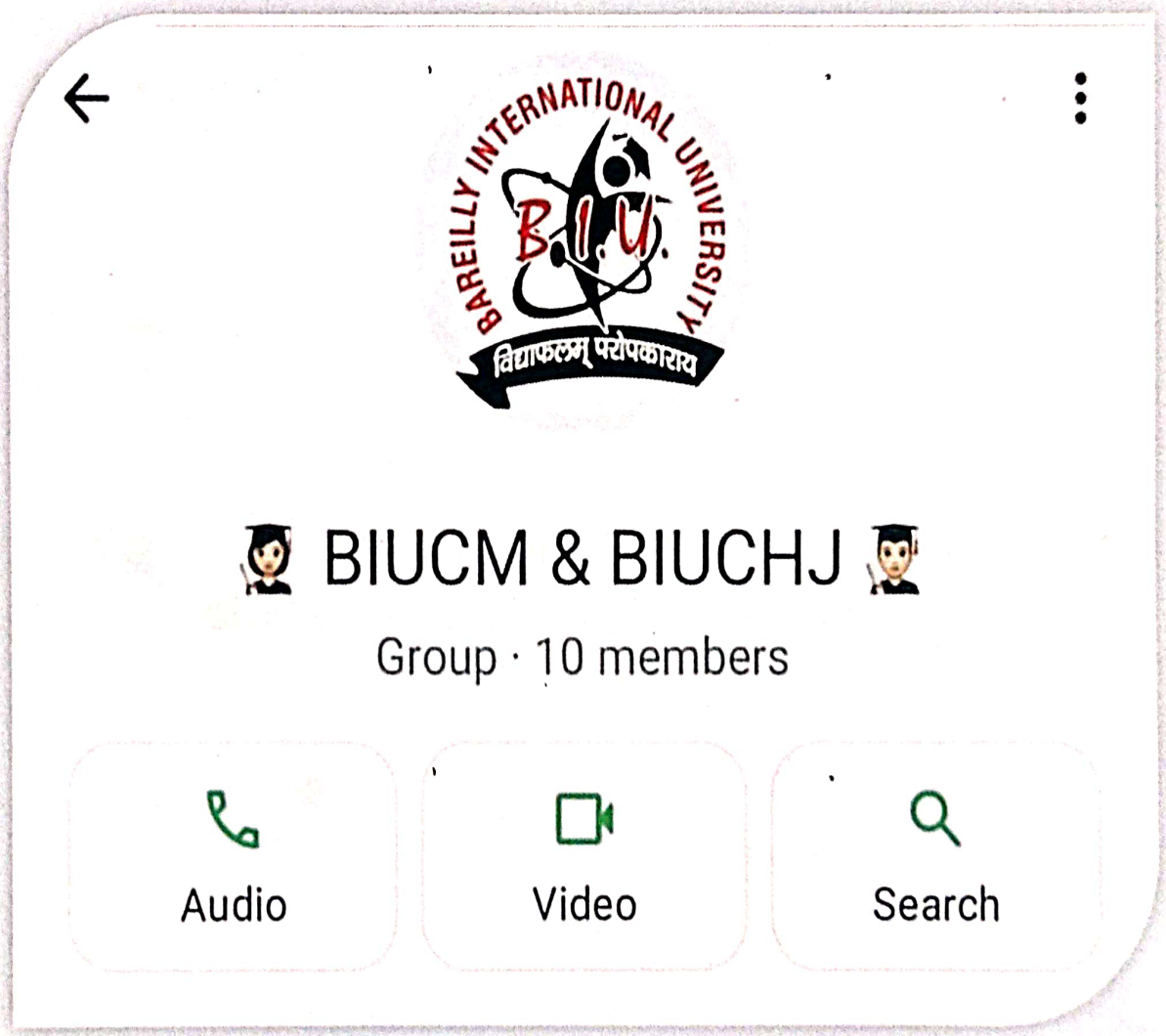
These materials are uploaded on institutional platforms such as LMS, YouTube channels, and Google Drives shared with students, and are periodically updated to maintain relevance and engagement.

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2.3.3 – ICT Tool.

BIUCM faculty makes effective use of power points, videos, computer assisted laboratory, online resources to orient students for advanced knowledge and practical skills as the University is well-equipped with all the required IT facility for teaching and learning process. The computer labs and studio are equipped with projectors and network connections for smooth conduction of the classes.

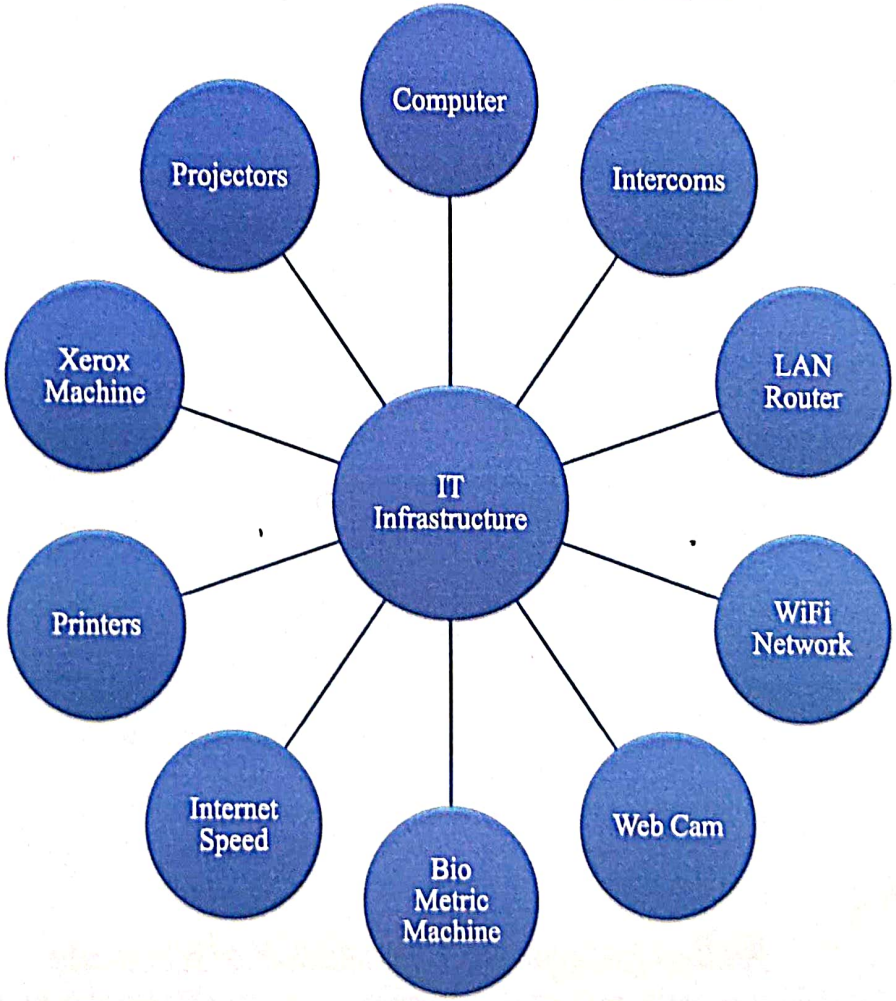


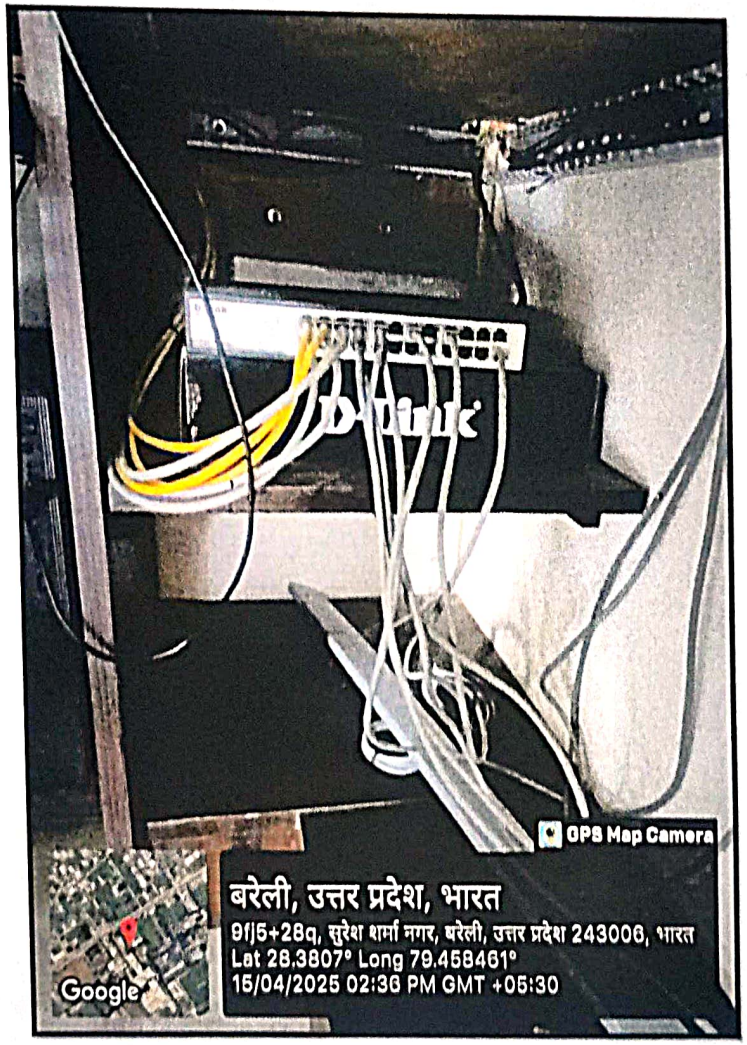

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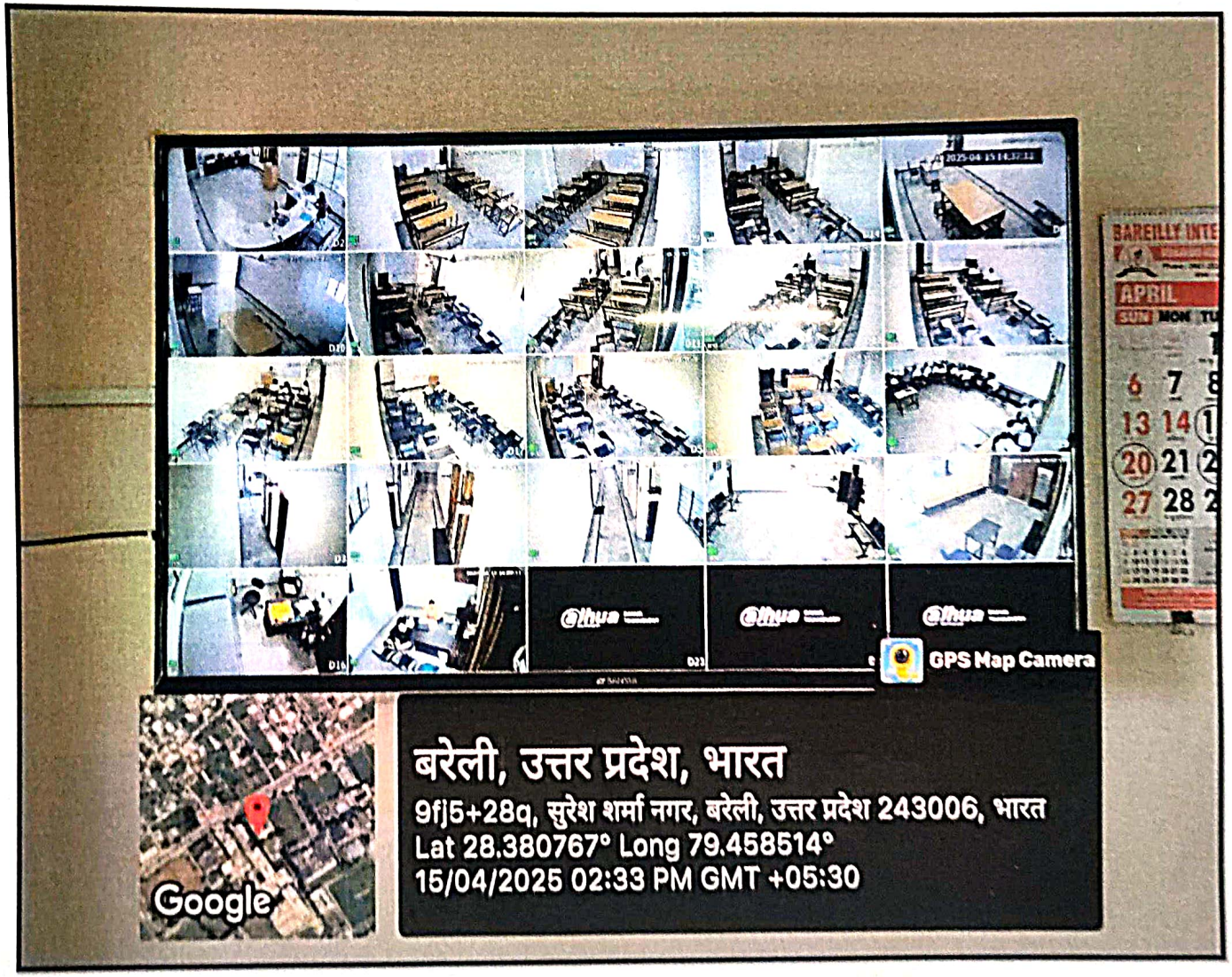
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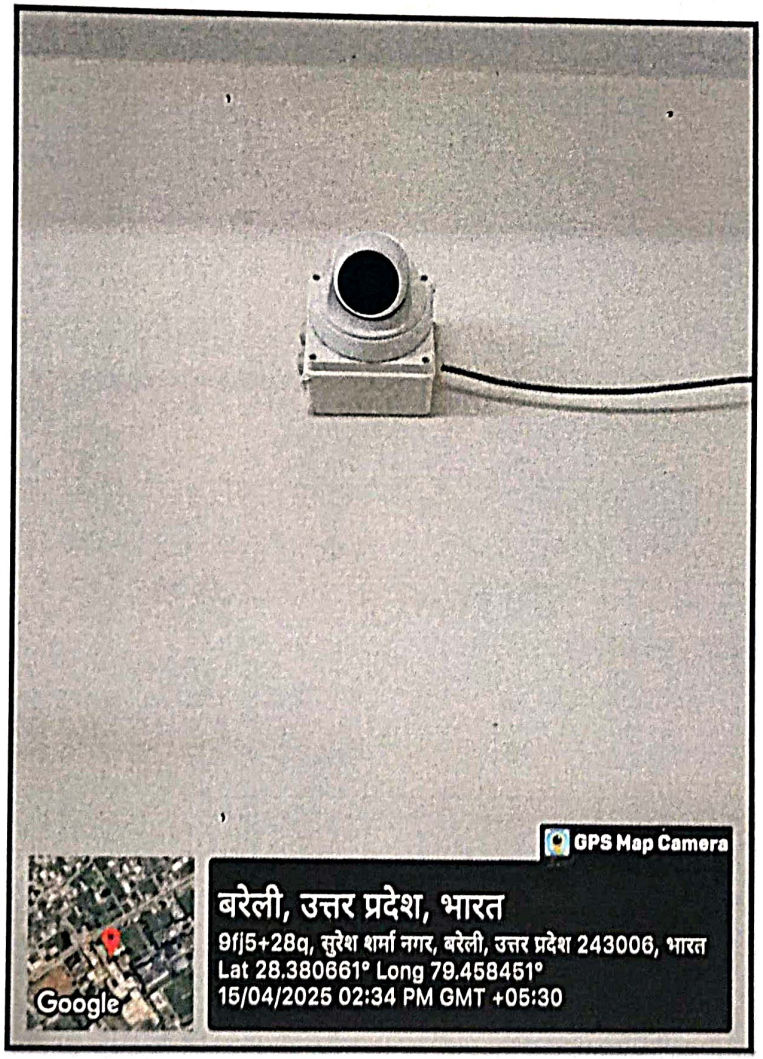


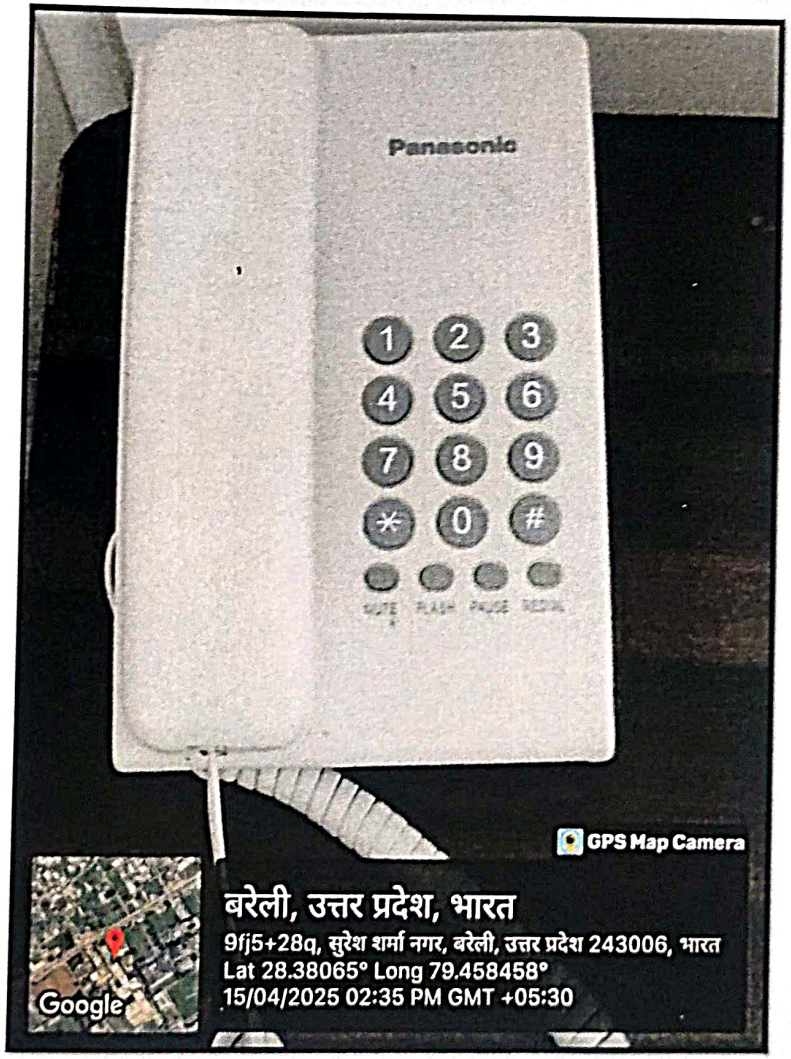
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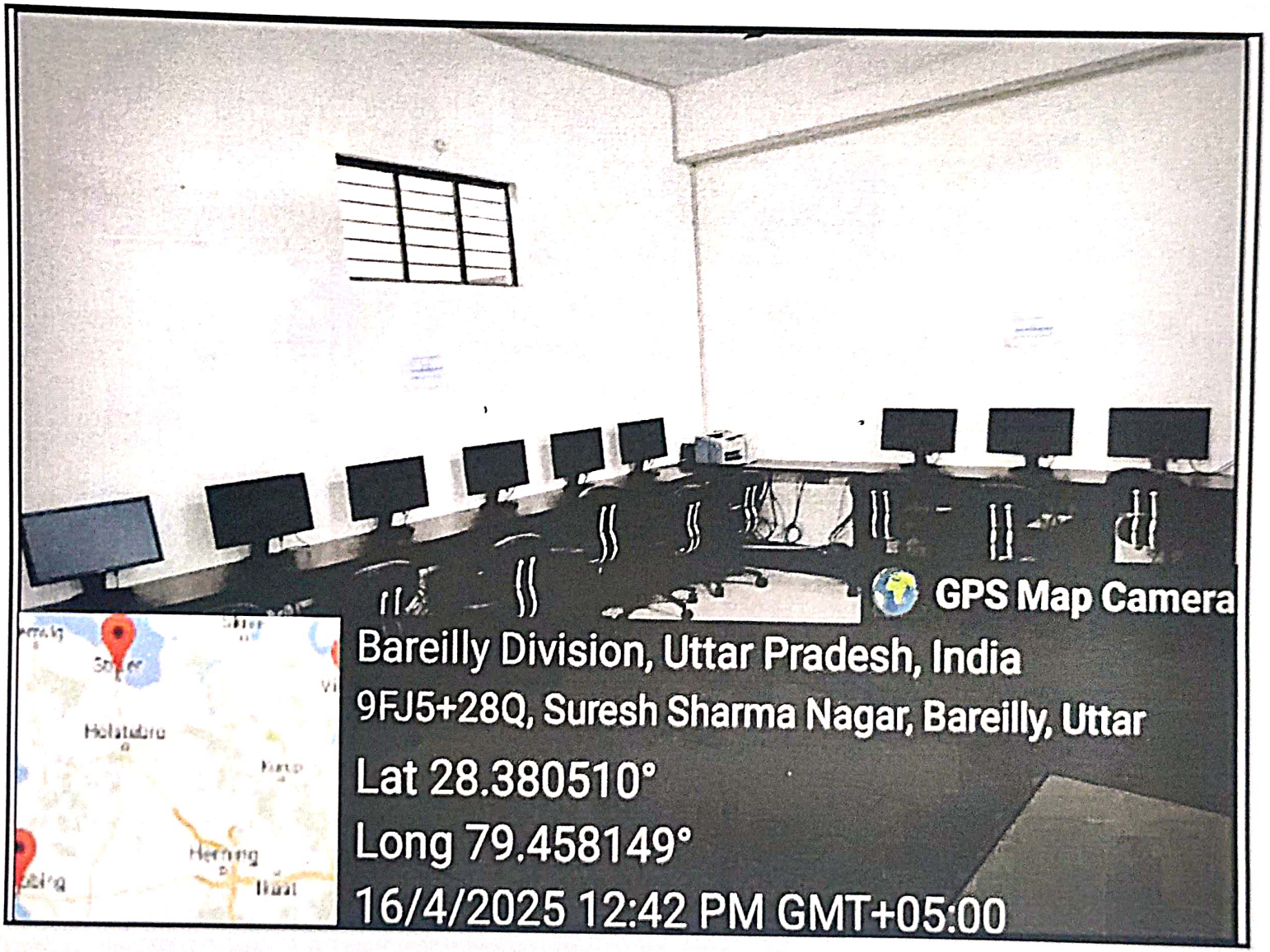



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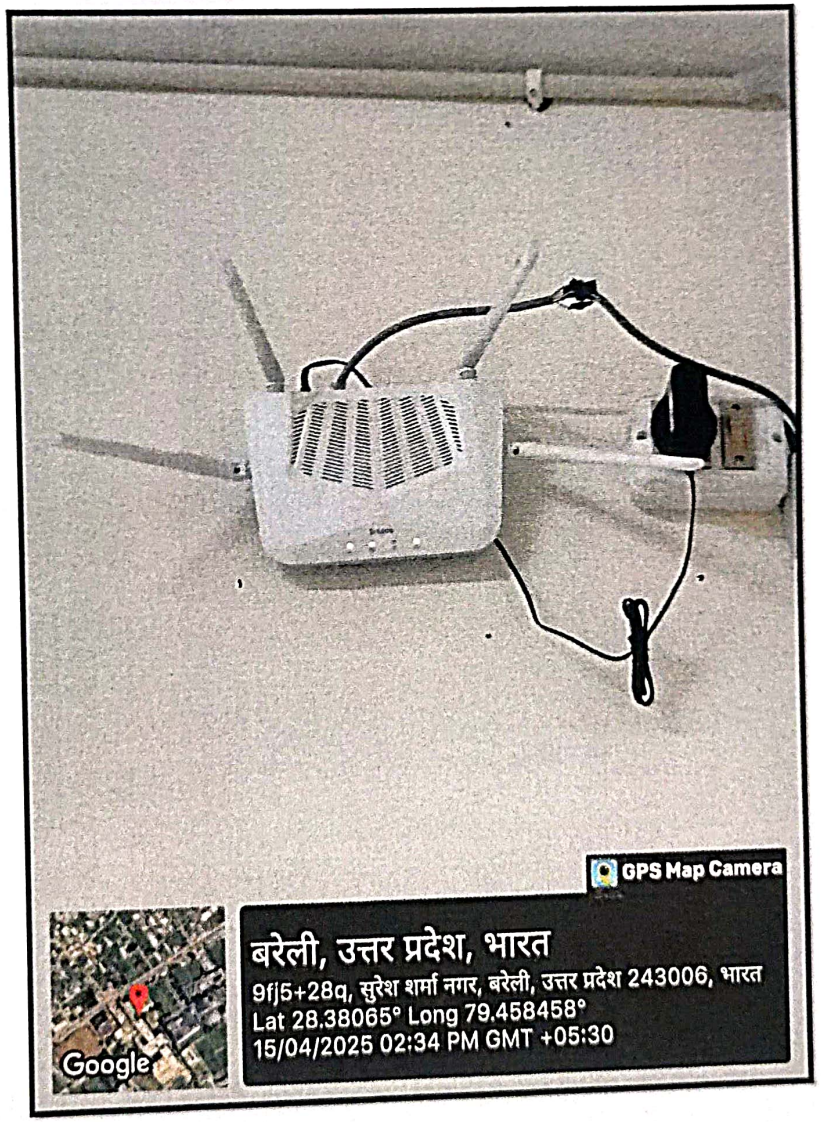

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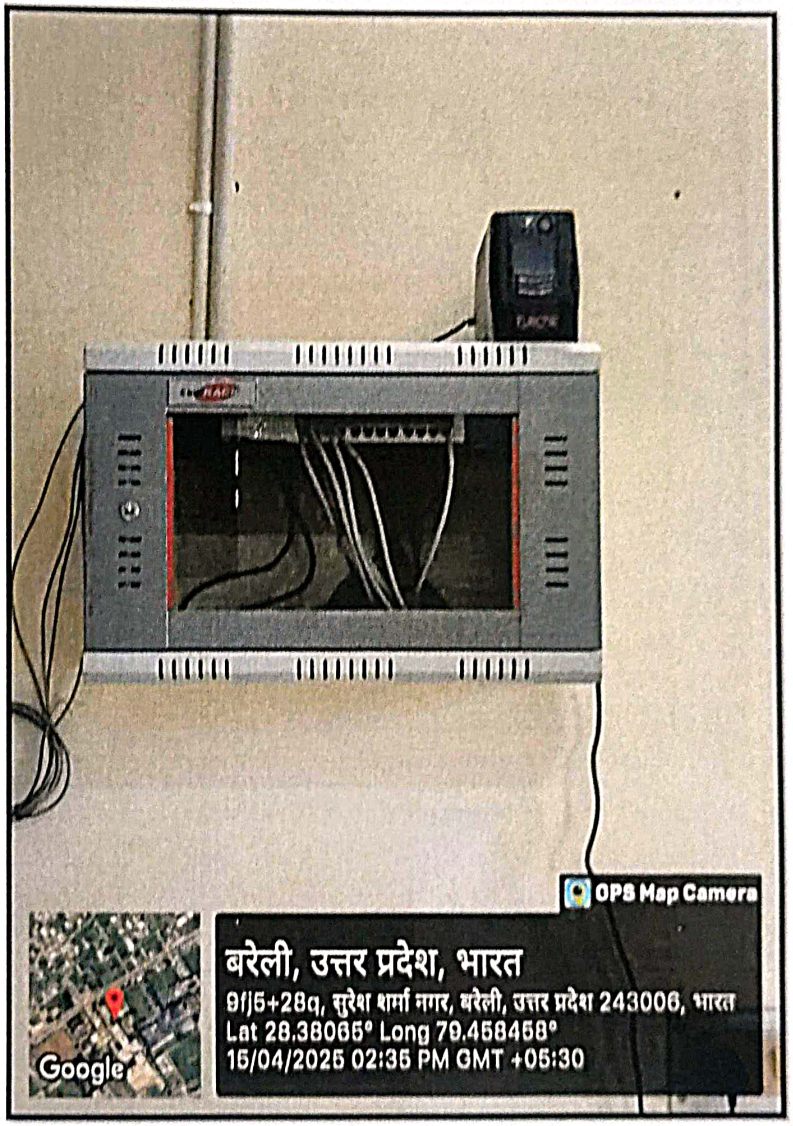

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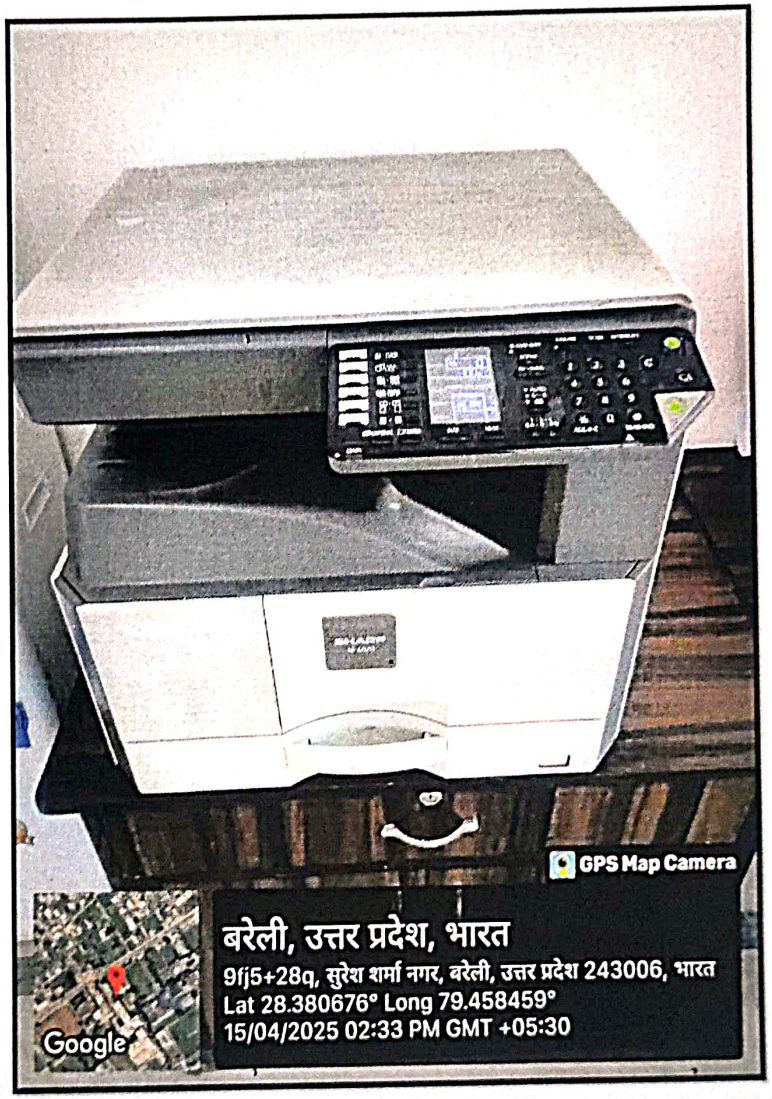
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CRITERION 2- TEACHING-LEARNING AND EVALUATION

2.5.4 Reforms in the process and procedure in the conduct of evaluation/examination; including Continuous Internal Assessment to improve the examination system





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Reforms in the Process and Procedure in the Conduct of Evaluation and Examination, Including Continuous Internal Assessment

To enhance the transparency, fairness, and effectiveness of the examination system, our institution has adopted several significant reforms in the process and procedures of evaluation. These reforms align with national educational policies and aim to foster a student-centric assessment environment.

1. Continuous Internal Assessment (CIA)

Continuous Internal Assessment is an integral component of the overall evaluation system and is designed to promote regular academic engagement and holistic learning. The CIA framework has been revamped to make the assessment process more comprehensive and reflective of students' abilities beyond traditional examinations.

Key features include:

- **Multiple Assessment Modes:** Including written tests, quizzes, assignments, presentations, case studies, seminars, group discussions, and project work.
- **Defined Weightage:** Internal assessment typically carries 25–30% of the total marks as per university norms, while the end-semester examination covers the remaining portion.
- **Transparency and Feedback:** Students are informed about the assessment criteria at the beginning of the semester. Post-assessment feedback is shared to help students improve continuously.
- **Technology Integration:** Use of LMS platforms and digital tools for assignment submission, evaluation tracking, and sharing results with students.

2. Examination Process Reforms

To improve operational efficiency and uphold academic integrity, the following reforms have been introduced in the examination process:

- **Online Examination Registration:** Students register for examinations through the institutional ERP or LMS, ensuring streamlined data management and reducing manual errors.
- **Digital Hall Tickets and Seating Arrangements:** Hall tickets are generated online and seating plans are system-generated to ensure fairness and efficiency.
- **CCTV Surveillance & Monitoring:** Examination halls are monitored to prevent malpractice and ensure discipline.
- **Centralized Examination Cell:** A dedicated examination cell coordinates all pre- and post-examination activities including timetabling, invigilation planning, paper setting, and results processing.
- **Timely Declaration of Results:** Results are published within 15–20 working days after examinations to ensure timely progression and academic planning.

3. Examination Manual

The institution has developed a comprehensive **Examination Manual** that outlines the standardized procedures and responsibilities at every stage of the examination lifecycle. It serves as a reference document for faculty, students, and administrative staff.

The manual covers:

- **Student Registration Procedures for Examinations**
- **Scheduling and Conduct of Internal and External Exams**
- **Guidelines for Evaluators and Moderators**
- **Rules for Re-evaluation and Answer Script Review**
- **Result Compilation and Declaration Process**
- **Malpractice Prevention and Penalty Guidelines**
- **Grievance Redressal Mechanism**
- **Graduation, Issuance of Certificates, and University Data Submission**

This manual ensures transparency, accountability, and uniformity in examination-related practices.

4. Examination Regulations

The institution has framed and implemented a set of well-defined **Examination Regulations,** approved by the Academic Council and in line with affiliating university norms. These regulations govern:

- **Eligibility to Appear for Exams:** Minimum attendance and CIA performance requirements.
- **Scheme of Evaluation:** Semester-based assessment pattern with a blend of internal and external components.
- **Code of Conduct During Exams:** Rules on discipline, malpractice, and use of unfair means.
- **Provisions for Re-evaluation and Retotalling**
- **Issuance of Mark Sheets, Transcripts, and Degree Certificates**
- **Graduation Procedures:** Including convocation protocols and alumni data updating.

Towards Professional Excellence

Examination Manual

Department of Examinations

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DEFINITIONS:

These Rules, Regulations and Standard Operating Procedures (SOP) of Examinations of BIU will be applicable for all stakeholders, and will be called 'Examination Manual' or 'Exam Rule Book'. In this Examination Manual, unless the context otherwise requires:

a. BIU means Bareilly International University, Bareilly
b. 'Examination' (or 'Exam') and 'Examinations' (or 'Exams') respectively mean Examination and Examinations as the case may be conducted by BIU.
c. 'Examination Committee', unless otherwise stated means Examination Committee of BIU.
d. 'Rules' means Rules of Examinations as framed by BIU from time to time.
e. 'Vice Chancellor' or 'VC' means the Vice Chancellor of BIU.
f. 'Controller of Examinations' or 'CoE' or 'COE' means the Controller of Examinations of BIU.
g. 'Centre Superintendents' or 'CS' or Centre Suptd.' means the Officer-in-charge of the Examination Centre of BIU.
h. 'Examination Centre' means a College/Faculty of Study/Institution approved by BIU for the conduct of the Examinations.
i. 'Mark sheet' means statement of marks issued by BIU.
j. 'Transcript' means a set of documents to show the student's records of studies issued by BIU.
k. 'Degree' means qualification awarded to students upon successful completion of a course of study in higher education issued by BIU.
l. 'Certificate' means certificates issued by BIU.
m. 'Candidate' means examinee of examinations conducted by BIU.
n. 'AR' means Assistant Registrar Examinations.

NOTE:

The decision of the Examination Committee / approval shall be final on any question related to interpretation of any provision of the Examination Manual or on any such matter which is not specifically mentioned in this Examination Manual. Examination Manual may be amended from time to time.

CHAPTER: 1

1.1 EXAMINATION OFFICE SECURITY PROTOCOL AND PROCEDURE

a. The Examination Branch of the University is considered as the most sensitive and restricted area of the University where all examination work is carried out and exam records of the students are preserved. Only faculty / Staff members engaged in examination related works are allowed in certain marked areas only.

b. Examination Branch has only one entry/ exit gate, which is manned by a Security Guard.

c. Use of any storage / information retrieval devices such as Smartphone, recording camera, PDA, external hard drives etc. is strictly prohibited in the Examination Branch.

d. All the doors of Strong Room, Evaluation Room, Answer Books Store Room, Tabulation/ Result Room, Secrecy Room and office of Controller of Examinations are daily sealed. Signatures of persons who make them open are taken in the Register by the Security Guard. The Strong Room and Answer Book Store Room are only open on the verbal/written orders of the Controller of Examinations/AR Exams / person authorized by the competent authority by the University (Vice Chancellor / Chancellor).

1.2 SECURITY/SECRECY DURING PRINTING OF QUESTION PAPERS

a. Question Papers/Questions Banks are received through Pen-drive / Hard copy (in sealed Envelope)/ e-mails (official email Id) only.

b. The Question Bank Software prints the Question Papers which is edited as per pattern of the paper.

c. For Question Papers which are not generated by the Question Bank Software, minimum two sets of Question Papers are received from the Paper Setters, which are formatted as per the Scheme and pattern of the Examinations. On the orders

of the Controller of the Examination one is printed as per the number of examinees appearing in the examinations, packed in Envelopes and sealed.

d. The sealed Question Papers are placed in the Strong Room of the Examination Branch and are handed over to the Examination Centers Superintendents one hour before the schedule of the examinations.

e. All the waste papers are shredded every day.

1.3 SECURITY/ SECRECY DURING EVALUATION OF ANSWER BOOKS-

a. The Answer Books received from the Examination Centers are kept in the Store Room and are coded for evaluation. The identity details of the students are hidden from Evaluators.

b. The coded Answer Books are provided to Evaluators in the Central Evaluation room at the Examination Branch.

c. The Award Lists provided by the Evaluators are de-coded and students details are filled in the Award List at the places provided.

d. The evaluated Answer Books are stored in the Store Room.

1.4 SECURITY/ SECRECY DURING CONFEDENTIAL TABULATION OF RESULTS

a. The Tabulators are provided with Award Lists of students for posting in TR and declaration of results of the examinations.

b. All the Computers in result section have unique id.

c. All Computers have latest anti-virus and files are password protected.

d. AR exam log in / log out all systems.

e. The Tabulators fill all the required entries viz. theory awards, practical awards, internal, viva voce marks etc.

f. Prepared TR sheet is processed for two stages verifications.

g. The Tabulators have to preserve the Award Lists, Attendance Lists of Examinees in records and Result TR Sheets. The TR Sheets are hard bound and are permanent records in two sets of the University. No waste papers are discarded; all are destroyed by shredding.

CHAPTER: 2

2.1: HONORARIUMS AND TA BILL PROCESSING AND PAYMENTS

a. The Finance Committee of the University provides the Honorariums amount rate list for Examination related work viz. Thesis Evaluation/ Paper Setting / Conducting Practical / Viva voce/theory evaluation etc. to the Office of the Controller of Examinations.

b. The panel of External Experts approved by the Board of Studies of respective Faculty of Studies is requested from the Deans at least two (2) months before scheduling the End Term Examinations. On receiving the panel of External Experts, the office of the Controller of Examination gets it approved from the Vice-Chancellor.

c. Controller of Examinations/Institute send the Invitation letter for Practical Examination to the External Experts.

d. The External Experts for Paper Setting send the Question Paper in confidence to the Controller of Examinations along with duly filled Bill Form.

e. The External Experts conduct the Practical Examinations with theory evaluation and the Dean/Principal of the Faculty/college of Study submit duly signed award sheet with all other documents to the Controller of Examinations.

f. The Superintendents of Conduct Branch will verify the submitted documents for Practical and Paper Setting etc., and forward the same for approval to the Controller of Examinations.

g. Remuneration Bill Form shall be forwarded to the Office of the Chief Finance Officer / Account Department for verification and payment.

h. The Office of the Chief Finance Officer / Account Department shall complete the payment of Bills to the Examiner within fifteen (15) days of receiving the Bill of payment forwarded by the Office of the Controller of Examinations.

CHAPTER: 3

3.1: SOFTWARE, MACHINE AND EQUIPMENT PURCHASE, MAINTENANCE AND RENEWAL

The Examination Branch have Hardware like PCs, Printers, OMR Readers, Photocopiers and software etc. which are used for various examinations work. As examination is a continuing work so all the said equipment and machines shall remain functional all the time.

a. For requirement of hardware / software, a note sheet of requirement with hardware / software specifications forwarded to the Vice-Chancellor. After assessing the requirement, the Vice-Chancellor directs the Head-IT Cell to list down the companies, their authorized vendors with product specification and price lists and put it before Purchase/Development Committee for purchase. The Purchase Committee may call the companies/vendors to demonstrate the products to the Controller of Examinations. On the approbation of the Examination Branch, the Purchase/Development Committee forwards purchase recommendation from the listed company/vendor to the Head-Purchase. The Head-Purchase takes necessary approval from the Competent Authority and, after approval, the new Hardware / software will be purchased.

b. For repair and maintenance, Annual Maintenance Contracts (AMC) is signed with the Product Manufacturer or with companies/firms which provide the AMCs of specific / all the products. Concerned department provides a copy of the AMCs to the office of the Controller of Examinations for reference and record.

c. The Head-IT/Head-Purchase shall keep the records of all the original agreements and take necessary action regarding their renewals from time to time ensuring that the work of Examination Branch does not get hampered.

d. IT-Cell of the University has to provide IT related support to Examination Branch of the University on priority.

CHAPTER: 4

4.1: PROCUREMENT AND PRINTING OF EXAMINATIONS MATERIALS

a. AR Examinations maintains the record of all the examination materials, Stationery items etc., required for examination purposes. In case of any requirements AR Examinations generates request for materials to the Central Store / Purchase department with specifications of the items.
b. The Controller of Examinations shall forward the purchase requisition to Store In- charge with his/her recommendations along with a photocopy / sample / design copy of the item(s) to the Head-Purchase/Purchase Manager.
c. The Purchase Manager places order for purchase after approval of the Competent Authorities.
d. After delivery of items ordered for purchase, the Purchase Manager shall intimate the Controller of Examinations/AR Examinations to examine the items purchased.
e. If the purchased items are of general nature, then the Controller of Examinations well inform the Purchase Manager to get the item delivered at the Examination Branch and if the item(s) is/are specific then he/she may himself/herself go or send the Store In-charge to Central Store to verify item(s) purchased as per specification(s).
f. If the item(s) delivered is/are not found as per specification(s) requested, then the Controller of Examination may reject and request for re-purchase.
g. After verification of item(s) purchased, the Purchase Manager will get the item(s) delivered at the Examination Branch with Challan, copy of the Bill.
h. AR Examinations makes entry of the delivered items in the Register as per Challan.

CHAPTER: 5

5.1: ELIGIBILITY OF A STUDENT TO APPEAR IN EXAMINATIONS

a. The students should fulfill the following criteria to be eligible for appearing in the End Term University Examinations:

I. The student should bear a good moral character.

II. The student should have at least 75 % attendance (or attendance criteria as per the Regulatory Body / Council) in a theory and practical subject inclusive of non - lecture teachings i.e field work, seminars, group discussion, tutorials, projects etc., and demonstrations, hospital posting (tertiary, secondary, primary), bed side clinics for Medical & Health Sciences students.

III. The student should not be a defaulter in payment of any dues of the Bareilly International University.

IV. There should not be any disciplinary action pending against the student.

V. The student should have submitted her/ his Examination Form on ERP / Hard copy as per the instructions notified by Controller of Examinations/Registrar.

b. The shortage of attendance can be condoned by the Dean/Director/Principal of the concerned faculty of Study to the extent of 5% in exceptional cases. The exemption of attendance can be granted by the Dean/Director/Principal for;

I. Some students voluntarily donate blood to Blood Bank. Attendance of all the lectures / practical / Tutorial etc. of that day may be given.

II. The students appearing in Re-appear / Supplementary Examinations of any previous semester/ year may be given benefit of attendance of that day.

III. The students may be given benefit of maximum Twenty One (21) attendance on account of his/her participation in University or Inter Collegiate Sports Tournament/ Youth Festival/ NCC Camp/ NSS Activity-Camp/ Univers. Educational Excursions, Mountaineering Courses; and maximum 30 days for participation in Inter-University Sports Tournament/ Youth Festivals; provided he/she has obtained prior approval of Dean/Director/Principal of the concerned faculty of Study on the recommendation of the concerned HOD.

IV. Attendance Credit may be given only for the days on which lectures / practical / Tutorial etc. delivered or field work done during the period of participation in the aforesaid events.

c. The Dean/Director/Principal of respective Faculty of Study shall validate the attendance of students on the University ERP 10 days' prior the commencement of University Examinations.

d. The Finance / Accounts Department of the University shall validate Fee status of the students on University ERP 10 days' prior the commencement of University Examinations.

e. The Examination Department will access the validated list from the University ERP Software and only eligible students shall be permitted to appear in Examination.

f. If students detained due to short attendance, desire to appear in subsequent / next even / odd semester examination then they should have to attend make up classes to fulfil the attendance criteria. Faculty of Study shall submit the verified attendance of make-up classes to the Examination Department of the University which is/are cross-verified and approved by the Hon'ble Vice Chancellor.

CHAPTER: 6

6.1: EXAMINATION FEE

The Fee Committee of the University proposes the various fees for examinations documents (provisional, Transcript etc.), Examination Form, certification etc. for approval to the Governing Body/ Executive Council of the University. The various fee approved by the Governing Body for the Academic Year is shared with the students through the competent authority of the University.

a. The various Examinations related fee for Regular/Re-appear/Supplementary/Scrutiny Exam, Transcript, Provisional Certificate and other documents fee are to be deposited by the applicant / student at the Accounts Branch.
b. The Student Cell In-charge / Student Section will check the details of the students and then would verify it by signing the Application Form. Furth Application form will be signed and stamped by the concerned Dean/Principal and forwarded to the Examination Department of the University along with fee slip.
c. Assistant Registrar (Exam)/ dealing Office Assistant will verify the record of the student and would process for further necessary action.
d. If any Provisional Certificate/ Document are to be issued, then the Certificate/ Document will be prepared and put for the signature of the Controller of Examination and issued to the concerned student or Student Section.

CHAPTER: 7

MID TERM EXAMINATION

7.1 Two Mid Term / sessional Examinations are conducted for each course as per the Annual Academic Calendar. Respective faculty of study shall conduct the Mid Term / sessional Examinations.

7.2 Re-sessional Examinations may be conducted by faculty / department at-least two week before the start of End Term Examinations.

7.3 Re-sessional Examinations are conducted only for those students who are unable to appear in any one or both of the Mid Term Examinations due to some genuine reason on Medical grounds only, provided they have informed the concerned authorities before commencement of examination. Upon recommendations of the Committee constituted by the HoD students will be permitted to appear for the re- sessional examination in a course which he/she has missed.

7.4 Re-sessional Examination will cover the complete syllabus till date.

CHAPTER: 8

APPOINTMENT OF EXAMINERS, MODERATORS, CENTRE SUPERINTENDENT (CS)/DEPUTY SUPERINTENDENT (DS), INVIGILATORS, FLYING SQUAD AND EVALUATORS

8.1 APPOINTMENT OF EXAMINERS

a. As per the Examination Schedule approved by the Vice Chancellor, the Controller of Examination writes to Deans/Directors/Principals/Heads of respective Faculty of Studies to provide the panel of internal and external examiners approved by the Board of Studies.

b. In the panel of Examiners, there should be at least five names of Examiners (3 External & 2 Internal) in each paper, along with complete details viz. address, contact no. and "email id" of the person concerned.

c. An External Examiner shall be one who is not teaching in the Bareilly International University and shall be a teacher with a requisite qualification & experience as per the concerned council of course or as per the UGC / University regulation.

d. An Internal Examiner shall be one who is teaching in the University and having requisite qualification and experience as per concerned council or University regulations.

e. The person should be **mentally fit** or should not have been **convicted of any offence, which involved moral turpitude.**

f. **None of his/her relative is appearing in the examination** for which he / she is being recommended as Paper Setter/Examiner Expert.

g. An Examiner may set only two question paper for a course in a Term.

8.2 APPOINTMENT OF MODERATOR

a. Dean / Head of the Department or his / her nominee shall moderate the question paper. The Vice Chancellor may also nominate the subject expert either from the University or outside the University to assist the Head of the Department in the Moderation of the Question Paper.

b. The Moderator will check the question paper thoroughly and ensure that the question paper conforms to the syllabus and guidelines to set the question paper.

8.3 APPOINTMENT OF INVIGILATOR

The Controller of Examinations on the basis of scheduled Examinations, will write to Deans/Directors/Principals/Heads of respective Faculty of Studies to provide the list of faculty members, clerks/data entry operator and peons, which should contain the name, designation, total experience, contact number and e-mail id. Controller of Examination appoints the Invigilators and other supporting staff for smooth conduct of examination.

8.3.1 Invigilators shall follow the general instructions listed below:

a. The Invigilator shall collect the blank answer booklets, question paper and attendance sheet along with five Malpractice Forms from the Examination Control Centre at least 20 minute prior to the commencement of the Exam.
b. He/ She shall ensure that all the answer booklets are in proper condition and carry the booklet number.
c. He/ She shall ensure that number of answer booklets and question papers are the same as the number of students listed in the attendance sheet.
d. He/She shall ensure that students should enter answer booklet no. in the attendance sheet.
e. He/She should reach the examination hall 15 minutes prior to the commencement of the examination, so as to ensure that students enter the exam room only in his/her presence.
f. He/She must also ensure that no other students, apart from those whose names appear in the attendance sheet, have appeared in the examination.
g. All malpractice cases should be reported to Centre Suptd. in the prescribed form.
h. After the exam is over, he/she will collect the booklet from each student individually.
i. He/She will arrange the answer booklets according to the sequence roll number in attendance sheet.
j. He/She will deposit the answer booklets and attendance sheet to the. Centre Suptd.

8.4 APPOINTMENT OF EXAMINATION CENTRE SUPERINTENDENTS

The Controller of Examination appoints the Center Superintendent/ Dy. Center Superintendent/ Assistant Superintendent and Invigilators as per the experience of faculty members. The Center Superintendent/ Dy. Center Superintendent should be of the rank of Associate Professor or higher. COE may also depute an Assistant professor if found suitable for the same.

8.5 APPOINTMENT OF FLYING SQUADS AND OBSERVER

The Controller of Examination appoints the Flying Squads team and Observer for smooth functioning and proper observation. The Flying Squad teams are headed by the Convener, who should not be below the rank of Associate Professor with at least 10-year experience.

8.6 APPOINTMENT OF EVALUATOR

a. A Paper Setter is preferably appointed for the evaluation of answer books and another examiner may also be appointed.
b. The controller of Examinations may appoint any Internal or External Examiner for evaluation the Answer Books.
c. The answer book shall ordinarily be evaluated centrally at Central Evaluation Centre at Examination Branch in the University premises.

CHAPTER: 9

9.1 QUESTION PAPERS SETTING AND PRINTING

a. As per the Examination Schedule approved by Vice Chancellor, The Controller of Examinations writes to Deans/Directors/Principals/Heads of respective Faculty of Studies to provide the panel of internal and external examiners approved by the Board of Studies. This communication should ideally be made 03 months prior to the date of commencement of examination of particular Faculty of Study.

b. The Controller of Examinations after receiving the proposed names of internal and external examiners will put forward the names for approval to Vice-Chancellor. The Vice-Chancellor approve the name(s) of examiner(s) for setting the question paper(s).

c. On approval, the Controller of Examinations sends the appointment letter(s) to the examiner(s) at least 2 months prior to the scheduled examination for setting of question papers enclosed with Instructions / Guidelines, Syllabus and Scheme of Examination.

d. Paper Setter shall submit the question paper(s) to the Controller of Examinations in a sealed envelope or through e-mail / Pen Drive in Password protected MS Word file. The password of the question paper(s) file should only be sent/received by SMS on the mobile no. of the Controller of Examinations on or before the date notified in the Offer Letter.

e. The internal paper setter shall submit the soft/hard copy of the question paper in person directly to the department of Examinations.

f. If the Paper Setter does not send the question paper in/on time or delays it indefinitely, then a fresh offer letter should be sent to the another examiner from the panel with a request for urgency. The paper setter who did not send the question paper may be debarred for any future academic work with the University.

g. The Controller of Examinations will get the question papers moderated one (1) month prior to scheduled examination (as per the respective Ordinance) by the Dean/Director/HOD only and not from any other faculty member below the rank of Associate Professor of the concerned Faculty of Study and will ensure that the question paper(s) is/are set as per the prescribed pattern and from the syllabus.

h. The Controller of Examination shall direct the concerned staff of the Secrecy Branch of the Examination Department to print the examination papers according to the number of examinees appearing in the examination and some extra papers as directed by him/her. The printed question papers are sealed and signed by the Controller of Examination and date wise stored in the Strong Room of Secrecy Brach.

CHAPTER: 10

10.1 SCHEDULING AND CONDUCT OF THEORY EXAMINATIONS

a. As per the schedule, the Conduct Section of the Examination Branch issues notification to the concerned Deans/Principals of the faculty to disseminate the information to the students to fill Examination Form.

b. The Examination Forms for Re-appear Students are signed by the Deans/Principals of the respective Faculty of Study and forwarded to the Office of the Controller of Examinations

c. The Office of the Controller of Examinations verify the Examination Forms of Regular Students by ERP Software and hard copies of Re-appear Students.

d. The Office of the Controller of Examinations shall request Deans/Principals of all Faculty of Studies to provide the names of faculty members not below the rank of Associate Professor for allocation of Examination duty at Examinati Centers like Center Superintendent/ Observers/ Deputy Superintendents and as Invigilators. The supporting staff like Office Assistants and Attendants of faculty of Studies is also deputed on examination duty for support and coordination.

e. On the basis of names forwarded by respective faculty of studies, the Controller of Examinations issues an Office Order a week before the scheduled examinations for examination duties.

f. The Superintendent of Examination Centers or Deputy Superintendent shall collect the Question Paper Packets from the Office of the Controller of Examinations half an hour before the start of the examination.

g. The Answer Books of Examinees sealed in envelops/cloth bags along with daily confidential reports should be submitted to the Office of the Controller of Examination/AR Exams every day after conduction of the examination.

h. The stray and unfair means Answer Books of examinees should be submitted in separate envelops to the office of the Controller of Examinations/ AR Exams immediately after conduction of examination.

CHAPTER: 11

11.1 SCHEDULING AND CONDUCT OF PRACTICAL / DISSERTATION / VIVA-VOCE

As per the academic / examinations schedule of the University / respective Faculty of Studies, the Controller of Examinations prepares the schedule of practical/dissertation / Viva Voce and circulates the same to all the Deans/Principals of Faculty of Studies for their information and necessary action.

a. As per the schedule, the Conduct Section of the Examination Branch issues notification to the concerned Deans/Principals of the faculty of study for which practical/ dissertation viva examinations are schedule is order to disseminate the information with their students.
b. The practical examinations are conducted by the respective Faculty of Studies as per the guidelines provided by the Controller of Examination.
c. The Award List of Examinees duly signed by the Examiners are sent to the Office of the Controller of Examination in a sealed envelope on the same day of the examination. If the examination extends more than one day, then the Award List is submitted on the day of conclusion of examination.
d. For MBBS/ MD/ MS/ BDS/ MDS/ M. Sc. (Medical) courses, the Theory End Term Examinations Answer Books are evaluated along with the evaluation of Practical Answer Books during the conduction of practical examinations by the Examiners.
e. The stray and unfair means Answer Books of examinees are submitted in separate envelops to the office of the Controller of Examinations immediately after conduction of examination.

CHAPTER: 12

12.1 EVALUATION OF ANSWER BOOKS

a. The concerned evaluators / faculty members are informed by the Examination Branch to report to the Central Evaluation Hall in the Examination Branch for Answer Books evaluation.
b. Coded answer books are provided to the concerned Evaluator/ Examiners for evaluation.
c. The evaluators/ examiner shall evaluate the Answer Books of the examinees and award the marks against the code numbers mentioned in the Answer Books.
d. The Award Lists of Examinees are provided to the Decoding Team of the Examination Branch, which will de-code the number with the Roll Nos. of the examinees.
e. The evaluated Answer Books are packed in bundles as per subjects and stor in the Store Room(s) at Examination Branch.
f. The de-coded Award List(s) are submitted to Controller of Examination/ AR Exams who marks it to the result section for posting in the Confidential Tabulation Report (CTR) Sheets for preparation of results.
g. After posting of the awards, the Award List(s) are filed and safely kept in record.
h. The round off rule has to be applied at all stages, where a minimum percentage of marks are required to be obtained, to become eligible for appearing in exams or to pass a subject or part of a subject, and it comes out to be a whole number.
i. Marks with a fraction of 0.5 and above may be rounded off to meet the nearest higher whole number and marks with a fraction of less than 0.5 may be rounded off to the nearest lower whole number. However, the above said rules will not be applicable in respect of "Merit of Admission tests / Entrance exams / Recruitment tests".

CHAPTER: 13

AWARD OF GRACE MARKS

The following method will be followed for giving "Grace Marks" to the students:

13.1 CALCULATION OF GRACE MARKS

While calculating the available maximum grace marks in a particular Professional/Year/Semester/Trimester, the usual "Round off" rule is to be implemented i.e. if the grace marks comes out to be a fraction then the marks will be changed to the nearest whole number.

13.2 DISTRIBUTION OF GRACE MARKS

a. Grace Marks will be given to a student only if the programme ordinance has a provision of it and does not explicitly overrule the provision of it or such a provision is not permitted or is withdrawn at any point of time by the university or by the respective council regulating the programme.

b. In case the student needs Grace marks in more than one subject or components or parts of it, then the subject/component/part will be chosen for such a provision, where the minimum marks are required by the student to get pass. In case of further availability of remaining grace marks, the next subject/component/part will be chosen in the similar fashion as described above. The said procedure will continue till the availability of Grace Marks.

c. The grace marks will be given only if the addition of it enables the student to get pass in a particular subject/component/part of it and in no case be given only to improve the Percentage/Division/Grade/Earned Points in a subject/course or as a whole.

d. In case the student requires equal value of Grace Marks then the preference will be given to a subject where such an allocation will change the result of the beneficiary from 'FAIL' to 'PASS' in all components/parts of it.

e. In case an equal value of marks is required to a student to get pass, in more than one subjects/courses then the subject/course with a lower or smaller University code value will be put on priority while doing such an allocation of grace marks.

f. In no case the addition of Grace Marks, should lead to "a double jump in the grade" or "a higher value in the marks more than the minimum pass marks", for example a student secures 37 marks and the pass marks are 37.5, then only 0.5 marks to be added as Grace Marks.

g. It is important to note that the "Round off rule" of the university will be applied first as per the established procedure and then only the application of Grace Marks will be done. Where-ever, such a Round off is not applied due to 'Pass marks' coming out in fraction (such as 37.5 or 12.5 etc.), the student may require grace marks less than 1 or any number with a fractional value, then the addition of the exact required value in fraction, will be made, however a subtraction of a whole number will be made from the available Grace Marks against every such fractional allotment. For example; a student secures 12 marks and the Pass Marks are 12.5, then only 0.5 marks will be added to 12 but a deduction of 1 mark will be made against allocation of such a fraction. In case student secures 11.2 marks then an addition of 1.3 marks is to be made to the originally obtained marks but a deduction of 2 marks will be made from the available Grace Marks.

h. The provision of Grace Marks is a privilege given to a student and is a sole discretion of the university. This should no way be taken as a right to student.

i. In case of any dispute or doubt the Controller of Examinations of Bareilly International University or a person in charge for such position, will be empowered to take the final decision in this regard and no further request will be entertained from anyone in such matters.

j. The University reserves all rights to remove/change/amend or to withdraw any/all of the above-mentioned provisions/procedures, as and when the circumstances require so.

CHAPTER: 14

14.1 PREPARATION AND DECLARATION OF RESULTS

a. Result shall be prepared as per the Ordinance, Scheme of Examinations. and Passing criteria of the programme.
b. The information of the students for preparation of TR Sheets is taken from the Signature Chart of examinees.
c. The Internal Assessment awards (received from the Faculty of studies 15 Days prior the commencement of the scheduled Examinations), Theory and Practical Awards are posted in the TR Sheets by the Tabulators.
d. Once all the required awards are entered in the TR Sheets by the Tabulators, the Result Section Asstt. Registrar/Superintendent/ Office Asstt. Re-checks the result prepared.
e. The black and white print-out of the result on legal size papers is submitted to Controller of Examinations/Addl. Controller of Examinations for further process of scrutiny.
f. The Controller of Examinations requests the Deans/Principals of respective Faculty of Study to send faculty members for scrutiny of result tabulated.
g. The Scrutinizers check the TR Sheets and verify the award lists, grace awards as per Ordinance and Scheme of Examination, calculations of Percentage/ SGPA/ CGPA-Division (final year results), remark of pass/ re-appear/ detain/ result late etc.
h. The signed TR Sheets are submitted to Controller of Examinations. The Controller of Examinations directs Result Section AR/ Office Asstt. to prepare the Result Gazette and releases it.
i. If Pass Percentage of programme specific is very poor, then TR sheet and details pass percentage is submitted/put – up to the Vice-Chancellor/ Pro Vice-Chancellor for approval.
j. On approval of Vice-Chancellor/ Pro Vice-Chancellor, the Controller of Examinations directs Result Section AR/ / Office Asstt. to prepare the Result Gazette and releases it.
k. The copy of the result is marked to Dean/Principal of the concerned Faculty of Study for display on Notice Boards. A copy is also marked to the Vice-Chancellor/Pro Vice-Chancellor, Registrar, Student Cell, and IT Cell for uploading on the University Website.

CHAPTER: 15

15.1 SCRUTINY OF ANSWER BOOKS (ONLY THEORY PAPER)

As per the provision in the First Ordinance of the Bareilly International University, the re-checking of Answer Books of Theory Papers is permissible if the students apply for it within 10 days of result notification.

a. There is a prescribed scrutiny fee per Paper however fee is required for viewing the answer book. In case, a paper having Parts/more than one Answer Books, there shall be separate fee to be submitted for each additional Answer Book.
b. It is a onetime opportunity to the student. Request for all of such Papers where scrutiny/viewing is requested should be made in a single Form and no subsequent request/application shall be accepted.
c. The student who desires for scrutiny/viewing of his/her Answer Books should fill the prescribed Form and deposit the required fee at Fee Counter of the University.
d. The student should deposit the duly filled Form and paid fee receipt at the Office of the Dean/Principal of the concerned Faculty/College of Study.
e. The Dean/Principal of the Faculty/College of Study should verify the details of the students and forward the re-checking/ viewing Form to Student Cell and after confirming that the student has applied within the stipulated days forward the same to the Controller of Examinations.
f. Incomplete Form, without fee or form received after due date shall be summarily rejected by the Office of the Controller of Examinations and even if fee has been paid, it will not be refunded in such cases.
g. The option once exercised by the student shall be final and cannot be withdrawn thereafter. As soon as a student submits the Form for scrutiny, it shall be deemed that he/she has surrendered his/her Original Result and the scrutiny result shall be binding upon him/her.

15.2 GENERAL GUIDELINES FOR RE-CHECKING OF ANSWER BOOK

a. The dealing Office Asstt. / Superintendent (Results) will not re-check and re-total the marks awarded by Evaluator.
b. If it is found that the Original Evaluator has not checked any answer and marks for the unchecked answer has not been added in total marks obtained by the student, the Controller of Examinations will inform the Original Evaluator to visit the Examination Branch and re-check and re-total the marks awarded in the Answer Book.
c. The result of Re-checking is issued through a notification by the Office of the Controller of Examination.

15.3 PROCEDURE FOR VIEWING OF THE ANSWER BOOKS OF THE UNIVERSITY THEORY EXAMS

a. Student should write an Application with all the requisite details and submit the same within 7 days from the declaration of the result.
b. Application Form's details shall be verified and signed by the Mentor, HOD and Dean of the respective Faculty of the Study.
c. Application form of viewing the answer book shall be forwarded to the Hon'ble Vice Chancellor for kind approval.
d. After approval of the Hon'ble Vice Chancellor, Controller of examination directs the Assistant Registrar for further processes.
e. After Viewing of Answer Book if the student observes in his/her Answer Book that there is discrepancy or any answer has not been checked he/ she may apply for re-evaluation or re-checking within 3 days from the date of viewing of the Answer Book.

CHAPTER: 16

16.1 PROCEDURES OF PRINTING / ISSUANCE OF CERTIFICATES, DIPLOMAS, DEGREES AND PROVISIONAL DEGREE

a. TR shall be prepared as per the format required for merging with Word template.
b. Merged file shall be emailed to the Agency designated for the job for creating pdf file. The pdf file shall be again checked with printed TR and course Scheme. Verified pdf file shall be sent to the Agency for printing Mark Sheets.
c. Agency sends the printed Mark Sheet along with Bill to the Examination Branch, received Mark Sheet are counted to verify Bill.
d. Verified Bill is being signed & stamped by dealing assistance, security staff, security head (Main Gate) and by the Controller of Examination and is dispatched to Store with Indent Book.
e. Mark Sheet is signed by the Section Officer, Assistant & the Controller of Examinations after that the signed Mark Sheets are scanned in jpg file ar renamed according to Enrollment No. & Mark Sheet No.
f. Mark Sheet are arranged according to Faculty of Studies, Course, Semester/Year/Trimester and Session wise and forwarding letter is prepared and packed in envelope. Mark Sheet No. shall be written on printed TR.
g. Forwarding letter is being signed by dealing staff member and Controller of Examinations. Respective Faculty of studies is informed to collect their MARK SHEET from Examination Branch. The receiving on Mark Sheet forwarding letter is filed in Mark Sheet dispatch file.

CHAPTER: 17

17.1 DECLARATION OF RESULT IN CONFIDENCE

a. Confidential result is issued to any candidate who wants to apply to any University / Institution for higher study. Candidate should produce the letter from University / Institution where he/she wants to apply.

b. Application form for issuing the confidential result is provided by the Examination Branch. The candidate is required to fill all the details and also attach photocopies of Mark Sheet, Admit Card and requisite fee slip.

c. The confidential result is prepared when all the awards (Theory, Practical, Internal Assessment etc.) is received by the Examination Branch.

d. Once the result is prepared it is thoroughly scrutinized and signed by the Controller of Examinations.

e. The confidential result is sealed in an envelope and dispatched to the Faculty of study / Institution / University mentioned in the application of the candidate.

CHAPTER: 18

18.1 ISSUING THE PROVISIONAL DEGREES AND MIGRATION CERTIFICATES

a. The student should fill the prescribed Form and attach supporting documents and deposit the required fee at Fee Counter of the University.
b. The Dean/Principal of the Faculty of Study should verify the details of the students and forward the Form to the Office of the Controller of Examinations.
c. Received Application form shall be thoroughly checked with signed Result Gazette and Tabulation Record. After verification, Provisional Degree is prepared and printed on letter head.
d. A copy of Provisional Degree shall be retained by the Examination Branch for record.

CHAPTER: 19

19.1 AWARDS AND MEDALS

a. The student enrolled in various certificate, diploma or degree programme / courses at the University, on successful completion and passing of prescribed examinations, shall become entitled to the award of the corresponding certificate, diploma or degree for that programme.

b. The student awards and medals are awarded on the recommendation of a Standing Committee. The recommendations of the committee are considered by Academic Council and Board of Management for ratification.

c. Scholarships, medals and prizes are awarded on the basis of academic / other achievements as decided by the Board of Management/ Standing committee.

d. The number of scholarships, medals and prizes to be awarded is determined by the Board of Management of the University, either on its own initiative or on the recommendation of standing committee.

CHAPTER: 20

20.1 ISSUING THE DEGREE BEFORE CONVOCATION

a. Degree before convocation may be issued to the students for higher study abroad. Self-attested copy of Final Year Mark-sheet, VISA/Passport, Notarized Affidavit on a Non-Judicial Stamp Paper of minimum Rs.10/-, declaration by student in prescribed format, Admission Letter from foreign Institution/College/University are required.

b. The student should fill the prescribed Form and attach relevant document in support and deposit the required fee at Fee Counter of the University.

c. The Dean/Principal of the Faculty of Study shall verify the details of the students and forward the Application for kind approval of Vice Chancellor of the University.

d. After approval of the Vice-Chancellor, application shall be forwarded to the Office of the Controller of Examinations. The Examination Branch prepares the Degree.

e. Degree is sealed and signed by the authorized Officials and dispatched to the concerned Faculty of Study from where the applicant may collect it.

CHAPTER: 21

21.1 CONVOCATION

a. A list of students eligible for Degree / Diploma is prepared with the help of Result Gazette / TR.
b. List shall be sent to concerned Department / Faculty Head / Dean / Principal for name and other details verification.
c. The verified list is signed and stamped by the concerned Department / Faculty by their HODs / Deans / Principals and soft copy of the same along with signed hard copy is sent to the Examination Branch.
d. The approved list is mailed to Agency in the required format along with the sample format of Degree / Diploma.
e. The agency prepares the pdf file of Degree / Diploma and mails it to Examination Branch.
f. The pdf file is thoroughly checked with verified list and vetted for printing.
g. The printed Degree / Diploma along with Bill are dispatched by Agency to Examination Branch.
h. The signed Degrees / Diplomas are scanned in jpg file and renamed according to enrollment no and Degree / Diploma No.
i. Degree / Diploma are arranged according to Faculty of Studies, Courses, Semester/Year/Tri / session wise and accordingly forwarded to the Director IQAC with covering letter.
j. Degrees / Diplomas No. are to be written on printed TR.
k. Degrees / Diplomas are conferred to the Students in the Convocations.

CHAPTER: 22

22.1 EXAMINATION GRIEVANCES

The Examination Department has a well-organized mechanism for Redressal of examination related grievances. The student can approach the University Examination Department via Student Section / Exam Coordinator of the respective faculty of study to redress the Examination related grievance.

To address all examination related Grievance, University Examination Department have two stage Grievance Redressal Mechanism.

a. At the level of Assistant Registrar (Examination)
b. To the Controller of Examination (if doesn't get resolved at 1st stage or student is not satisfied with the solution provided by AR)

22.2 MECHANISM FOR REDRESSAL OF GRIEVANCE REGARDING EXAMINATION

A Written signed application from student addressing the exam department via student section/ Exam coordinator or concerned authority, clearly mentioning the grievance shall be submitted to the University Examination Department.

22.3 CLASSIFICATIONS OF GRIEVANCES:

22.3.1 Before Examination: Common grievances of students before the examination are generally:

I. Late application form filing
II. Non-receipt of admit card
III. Wrong entries in the admit Card etc.

In all cases, grievances which are communicated to University Examination Department are resolved at the earliest.

22.3.2 During Examination: During Examinations, if any student finds discrepancy in question, e.g. data given in question paper is insufficient or options are repeated, out of syllabus questions, typing errors, etc. Students may report about the same. In such case Controller of the Examination forms an Expert Committee and committee takes cognizance and submits its report. Grievance shall be resolved in due course of time.

22.3.3 After Result Declaration: After result declaration, if any student has objection with result, he/she applies to Examination Department via student Section / exam co-ordinator of respective Faculty of Study for the same. After receiving application, examination department resolves the grievance as per the requirement and jurisdiction of the grievance.

CHAPTER: 23

23.1 UNFAIR MEANS CASE

The examination should be conducted as per the rules and regulations. No attempt should be made to use unethical practices during examination. A candidate found guilty of any of the offences listed in 24.1.1 shall be deemed to have used unfair means and his/her examination result shall be withheld. The decision of the UFM Committee in imposing penalty for the offence committed by the candidate shall be final and binding on him/her.

23.1.1 Offences During Examination

a. Writing name / Mobile No. / any other mark in the Answer Book which may disclose, in any way, the identity of the candidate.
b. Appearing in the Examination Hall other than allotted to the candidate without the permission of CS/ DS.
c. Having possession of book(s), notes, papers or any other like materials.
d. Receiving or giving assistance in copying during examination.
e. Smuggling in / out of the examination hall of Answer Book etc. and tampering with the Answer Book in any way.
f. Using abusive/ threatening / violence /derogatory language orally or in the Answer Book against the Centre Supdt. /Examiner/Invigilator/staff deputed at examination Centre.
g. Impersonation, i.e. sending some other person to take the examination.
h. Communicating with the Examiner or any other person connected with the Examination, with the object of unduly influencing him in any way.
i. Any other type of misconduct or a deliberate previous arrangement to cheat in the examination.
j. Writing questions answers on any paper other than the Answer Book.
k. Wrong statement in the application for admission such as tampering with the certificate/statement of marks, etc. or forging a signature.
l. Any other case of Unfair Means detected at any stage during or after the examination.

23.2 PROCEDURE TO BE FOLLOWED BY THE CENTRE SUPDT. IN BOOKING UFM/ UMC

a. **Issuance of Second Answer Book:** As soon as any case of unfair means comes to the notice of the Superintendent of the examination Centre he / she shall take possession of the Answer Book of the candidate along with paper or other material found in his possession and provide second Answer Book to the candidate immediately. On the top of the Answer Book it should be superscripted "Second Answer Book". The Superintendent shall record on the first Answer Book the time when the case was brought to his notice. He shall also record the time on the second Answer Book when it was issued to the candidate.

b. **Explanation of the Candidate:** While issuing the second Answer Book the candidate shall be asked by the Centre Supdt. to submit his explanation in writing. In case the candidate refuses to give his statement, he should not be forced to do so, only the fact of his refusal should be recorded by the Invigilator/s on duty at the time of occurrence and such a statement of the Invigilator/s be attested by the Centre Supdt.

c. **Statement of the Invigilator:** The Invigilator's / detector's statement shall be recorded, verified and signed by the Centre Supdt.

d. **Material found from the Candidate:** As far as possible precise information like from where the material was found (in the pocket, desk, shoes etc.) should be mentioned in the statement of the Invigilator/s. The copying material so detected by an Invigilator should also be signed by the Invigilator and countersigned by the Centre Supdt. on each page and the total number of pages detected should be mentioned on the title of the Answer Book duly signed by the Invigilator and Centre Supdt.

e. **Procedure to be followed in case of Smuggling out Answer Book:** In case a candidate has smuggled out Answer Book, the Centre Supdt. Should call the student directly and try to secure the Answer Book. In case of non-availability of the Answer Book, the matter should be reported to the police, and a copy of the FIR be sent to the office of the Controller along with the statement of the Invigilator and candidate. The statement of the peon/police constable etc., if any should also be forwarded.

23.3 PROCEDURE AFTER UFM / MASS COPYING CASES.

a. All cases of UFM and Mass copying will be examined separately course wise and Faculty wise.

b. Keeping in view the number of students booked under UFM/Mass copying they will be sent a Show Cause Notice and asked to present themselves before the UFM Committee on different dates or submit their statement of defense.

c. Approval of the Chairman will be obtained on the recommendation of the UFM Committee for implementation.

d. Results of the clear cases will be declared on the recommendation of the UFM Committee and other students given time to register themselves for the next examination.

e. Details of the Faculty/Institution booked under Mass Copying and individual UFM Cases will be sent to the student's section for their information.

f. In the event of the following happenings in examination Centre strict action will be taken against the examination Centre as well:

I. The candidate decamps with the Answer Book.

II. Allowing candidate of other Examination Centre / outsider (writer) to appear in the examination without the written permission of Office of the controller.

CHAPTER: 24

24.1 ROLE AND RESPONSIBILITIES OF CENTRE SUPERINTENDENTS (CS) / DEPUTY SUPERINTENDENTS

The roles of Centre Superintendents (CS)/ Deputy CS are very crucial and pivotal in conducting the university examinations. Roles and Responsibilities of Centre Superintendents (CS)/ Deputy CS are described further.

24.1.1 Before Examination

a. The Answer books in sufficient numbers, as per the overall strength of the examination Centre, must be collected from the Examination Department two days in advance, from the date of commencement of exams. Question papers are to be received in sealed packets from the Department of Examination and are to be stored under safe custody of **the Centre Superintendent**. The Centre Superintendent is solely responsible for keeping the question papers in safe custody till the end of the examination.

b. Should ensure that for each subject, adequate numbers of question papers are available in sealed packets as per the approved date sheet/s.

c. Question paper packets shall be opened by the Centre Superintendent in his presence and two senior faculty members of the concerned institution, **15 minutes** before the commencement of examination. The papers are to be distributed in the exam rooms according to student's strength mentioned against a particular question paper, in seating plan. The remaining packets shall be kept in safe custody till the completion of exam hours and the keys shall be with Centre Superintendent.

d. Gate checking shall be done 45 minutes before the commencement of the examination. Examinees will be allowed to enter into the Examination Hall and take their respective seats before **20 minutes** of commencement of examination. Answer Books will be distributed **15 minutes** before the examination. Only One Answer book per student should be distributed; if students ask for supplementary answer books then the CS will inform the Controller of Examinations of the university and Controller has the authority to take decision based upon the scenario.

e. Question papers shall be distributed only on the commencement of the examination. Unused Answer Books and unused question papers should be counted and returned to the Examination Section after the examination starts.

f. Candidates are not to be allowed reporting after 30 minute (in 3 hours' exam, and proportion). In case of any genuine request comes, the Centre Superintendent may discuss the case with Controller of Examinations and based upon the scenario Controller may allow the candidate.

24.1.2 During Examination

a. All the gates of the examination Centre must be locked and the main gate shall be manned by a person or guard, throughout the period of examination. The gates shall be opened immediately on arrival of any higher official/Flying squad/local administration. The guard will also be instructed by CS for not allowing any unauthorized entry on exam floors.

b. The Centre Superintendent will have to complete all the exam related formalities of the University and will ensure the same from the invigilators a other supporting staff members.

c. The Centre Superintendent has to make necessary arrangement for uninterrupted power supply & water, cleanliness in and around the examination Centre throughout the examination.

d. All the C.C. cameras must be in working condition. If in any hall, camera is not working, the answer books of the hall shall be packed separately with due remark of the Flying Squad.

e. Persons not conversant with the examination rules should not be appointed as invigilator. They must be capable of maintaining discipline in the examination hall. The Invigilator must be from the teaching Faculties/Lab Asst. /Instructional Staff of the Faculty. **Under any circumstances, Outsider not i the payroll of the institute shall not be engaged as the invigilator with specific permission from the Controller.** The day wise Duty chart list with Invigilators engaged along with their designation and branch/subject must be sent to the Examination Department. **It is the duty of the Invigilator to get the signature of the student in the attendance sheet. After due verification of data filled in by the candidate in the Answer Book and verification of the Identity of the candidate, the Invigilator shall put her/his signature in appropriate place in**

the Answer Book of the student. In no case, any person other than the Invigilator of the hall shall enter into the examination hall for any purpose.

f. If the University feels that the Centre Superintendent is not capable of conducting the examination in a free and fair manner, the Centre may be cancelled for the next examinations and a new Centre superintendent shall be appointed by the University for the Current Examination.

g. The attendance sheet of the examinees will be properly signed by the concerned examinees. The Invigilator must mark the absentee student with **"ABSENT" (in Capital letters, in red ink) against his/her name. In case of any discrepancy in the signature chart, the CS shall bring the same in the notice of the office of Controller and should not allow anyone to make a manual entry without any specific permission by the Controller of the Examination.**

h. For every **30** students, there will be at least one Invigilator. At least 10% reliever Invigilator should be engaged for invigilation during the temporary absence of the Invigilator. The Invigilator must remain in the Examination Hall for entire period of **3 or 4** hours and they should be advised to move around the hall with utmost vigilance.

i. **Use of Cell Phone or other electronic gadgets by the Invigilators and examinees during conduct of examination is strictly prohibited**. No examinees shall be allowed to talk to each other. Utmost discipline shall be ensured meticulously.

*j. **The examinee should not write his/ her identity (Mobile no. Or Registration No., Address) anywhere in Answer Book, otherwise the concerned subject mark will be awarded Zero.***

24.1.3 After Examination

a. All the answer books of Malpractice (UFM/UMC) cases with the seized materials must be sent separately after proper entries in the concerned form. The Centre superintendent is to ensure that all the columns of the form must be filled in properly. In case of incomplete information, the CS will have to present himself in front of the UFM committee, if the committee desires so.

b. However, the Answer Books of the examinees, booked under UFM, should be sealed in a separate packet along with the Malpractice report of unfair means/misbehavior during the examination, enclosing incriminating materials seized from the examinees. The Centre Superintendent should ensure that the

MP reports are duly filled in and the same should be signed by her/him. The Centre Superintendent/Squad member shall put their signature on these sealed packets of Answer Books, soon after the completion of examination.

c. The Centre Superintendent will fully co-operate with the Observer and Flying Squad Team and furnish necessary information relating to the examination.

d. A report by the Centre Superintendent - as to how many UFMs have been reported by invigilators, how many by the Centre Superintendent and how many by the Flying squad, shall be handed over to the Flying squad.

e. The Centre Superintendent will ensure that the answer books of different batches of the same programme and semester/year will be packed separately. The answer books should be submitted to Examination department within 30 minutes after completion of Examination.

f. **The Answer Books should preferably be arranged as per the roll number of the students.**

g. In case of any discrepancy arising out of any exceptional situation, the CS will immediately seek a solution from the Controller of Examination of the university.

24.2 All the formal documents, related to exams, with complete entries, such as Docket, Absentee, Attendance Sheet & Question Paper. shall be submitted along with the packets of answer books and remaining question papers at the Department of Examination after completion of the exam.

CHAPTER: 25

25. 1 GRADING METHOD AND COMPUTATION OF SGPA/CGPA

The grading method for evaluating students' performance involves award of grade according to the range of total marks in the course. The range of marks between any two grades is framed in such a manner that the effect of individual marking/checking technique on the overall grading is minimal.

25.2 KEY DEFINITIONS:

a. **Programme:** An educational programme leading to award of a Degree, diploma or certificate.
b. **Course:** Usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weight.
c. **Credit:** A unit by which the course work is measured. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours for Practical Work/Field Work/ Research Based Paper /Project per week.
d. **Credit Point:** It is the product of grade point and number of credits for a course i,e, Credit Point = No. of credit in a course x "grade value" of the grade obtained in the course.
e. **Semester Grade Point Average (SGPA):** The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the Courses undergone by a student, i.e. SGPA(Si) =$\sum$ (Ci x Gi) /$\sum$Ci
f. **Cumulative Grade Point Average (CGPA):** CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of programme, i.e, CGPA =$\sum$(Ci x Si) / $\sum$Ci
g. **Grade Point:** It is a numerical weight allotted to each letter grade on l0-point scale with 7/6/5LETTER GRADES: It is an index of the performance of students in a said course.
h. Grades are denoted by letters like O, A+, A, B+, B, C, D and F.

25.3 SGPA AND CGPA CALCULATIONS CAN BE EXPRESSED AS

$$\text{SGPA (Si)} = \sum_{i=1}^{n} CiGi \; / \; \sum Ci$$

$$\text{CGPA} = \sum_{j=1}^{N} SGPAj \; (\sum Ci)_j \; / \; \sum_{j=0}^{N} \; (\sum Ci)_j \quad \text{(over } i=0 \text{ to } n\text{)}$$

Where

n = Number of courses

registered, Ci = Course credits,

Gi = Grade point,

N = Number of semesters.

Formula for calculating percentage of marks;

CGPA×10 (The multiplication factor)

CHAPTER: 26

26.1 GUIDELINES FOR GRANTING OF WRITER OR AMANUENSIS

a. A candidate may be allowed for writer if:

I. Candidate is blind;

OR

II. Candidate is permanently disabled from writing. OR

III. Candidate is temporary disabled from writing, such as fracture of the right or left arm, forearm or dislocation of the shoulder, elbow, wrist, etc.

b. On the written request from the blind candidate(s) through the Head of the Department / Dean / Principal of the respective Faculty of Study, Superintendent in Chief or Controller of the Examination is authorized to appoint writer in accordance with the prescribed qualification of the writer.

c. In case of other handicapped candidate(s), writer shall be appointed with the approval of the Vice Chancellor.

d. In certain circumstances if candidate is incapable to answer the paper in prescribed time, an extra time up to one hour for a paper may be allowed. For blind candidates, however, the extra time of one hour will be allowed.

e. The writer / amanuensis shall be two grades lower in education than the candidate and writer should not have secured more than 60% marks in the examination. Condition of more than 60% marks may be relaxed if the qualification of the writer is more than two grades lower than the candidate.

f. In case of blind candidate, writer shall be of one grade lower in education than the candidate and should not have secured more than 60% marks in the examination.

g. Writer should be the same person for all the papers of an examination and in case there is a need to change the writer for the reasons beyond the control of the concerned examinee or the writer and a request in this behalf is made, change may be allowed. Such a change in writer will be permissible once during the course of an examination.

h. A certificate in proof of the educational qualification of the writer and declaration should be produced to the Office of the Controller of Examination.

i. The writer should not be from the similar programme or faculty of study.

j. The Centre Superintendent shall make special arrangement for candidate a may appoint one additional Invigilator for the same.

k. The candidate other than blind person shall pay the prescribed fee per paper in advance. The expenses towards remuneration to the writer will have to be borne by the candidate concerned.

l. Application Form and prescribed fee slip shall be submitted to the Office of the Controller of the Examinations 7 days before the commencement of the Examinations.

m. Application form received after due date shall be rejected summarily by the Office of the Controller of Examinations and if fee has been paid, it will not be refunded in such cases.

26.2 DOCUMENTS REQUIRED FOR GRANTING OF WRITER OR AMANUENSIS

Candidate shall produce the following documents for grant of the Writer / Extr Time

a. Application in candidate's own hand writing. In respect of candidates, who cannot write, their representatives may write on behalf of the candidate (stating the relationship with him/her) and forward the application.

b. Certificate from Professor of the specialty concerned of a Medical College / Institution or the Civil Surgeon of the District concerned that the candidate is unable to write due to temporary disablement. Certificate should specify clearly the nature and extent of permanent disability.

c. Educational qualification documents of the writer

d. Two color passport size photos (4.5x3.5 cm) taken within last 3 months, for Admit card of Writer/ Amanuensis card.

e. Any other document in support of request for grant of the facility of a write and/or extra time as aforementioned.

f. On receipt of the above documents the office of the Controller of the Examination will issue an Admit / concession card which will be valid for a due course of time.

CHAPTER: 27

27.1 WEEDING OUT AND DISPOSAL OFF OF OLD RECORDS OF EXAMINATION BRANCH

a. The old records/documents of the Examination Branch which are not required as permanent records of the Examination Department of the University are to be weeded and disposed from time to time as pre-approved schedule by Vice Chancellor.

27.2 GENERAL GUIDELINES TO BE FOLLOWED FOR WEED OUT

To weed out the obsolete records, following guidelines shall be adhered to:

a. Each Section Viz. Establishment, Conduct, Result and Secrecy prepares a list of the documents as preserve permanently, preserve for due course of time and for disposal.
b. In case no disposal is required in any section, a certificate of "Nil Destruction Required" must be submitted.
c. The committee which consists of odd number of members shall examine the details of obsolete records being proposed for weed out.
d. In each section, a 'Register of Records Destruction/Retention' should be maintained with the date and method of disposal / destruction.
e. The records should be weeded out by way of shredding in each section.
f. In case the records are needed to be preserved because of any matter pending before court or any similar legal or other requirements, respective Section is responsible for preserving of such records.
g. The decision of the committee will be final to approve any amendment, exemption or deviation required with respect to the weed out/retention of records.
h. After completion of the process, committee shall submit a certificate of record destruction and retention.
i. One copy of the preservation and weed out / destruction certificates should be submitted to the Registrar's Office for Official Record.

CHAPTER: 28

28.1 MISCELLANEOUS

a. Promotion of the students to the next session will be done by the Dean of the respective Faculty of Study.
b. Any other provision not mentioned shall be governed by the rules and regulations framed by the University from time to time.
c. The Vice-Chancellor is authorized to interpret or clarify the above rules wherever it is necessary and such interpretation/clarification shall be final.
d. The guidelines of this Examination Manual may be revised / changed as per the guidelines of the competent authority (Vice Chancellor / Chancellor) time being enforced.

BIU COLLEGE OF MANAGEMENT

List of Places of Dissemination of CO, PO, PSO :

- In all the Classrooms.

CRITERION 2- TEACHING-LEARNING AND EVALUATION

2.6.1 The Institution has stated learning outcomes /graduate attributes as per the provisions of Regulatory bodies which are integrated into the assessment process and widely publicized through the website and other documents



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Institutional Approach to Learning Outcomes and Graduate Attributes

Preparation

The institution has adopted the Outcome-Based Education (OBE) model as per the guidelines of the respective regulatory bodies such as UGC, AICTE, and the Ministry of Health and Family Welfare. As part of this academic reform, clearly stated **Program Outcomes (POs), Program Specific Outcomes (PSOs),** and **Course Outcomes (COs)** have been developed for all programs. These outcomes are framed by Boards of Studies and Academic Council in alignment with national qualification frameworks and industry expectations.

Action

To integrate learning outcomes into the academic process, the following measures were undertaken:

- COs, POs, and PSOs are mapped and aligned with curriculum content and assessment strategies.
- Faculty members incorporate COs into their teaching plans and course delivery methods.
- Assessment tools such as internal exams, assignments, and project evaluations are directly linked to measurable course outcomes.
- Outcome details are widely disseminated through the institutional website, student handbooks, course files, departmental displays, and Learning Management Systems (LMS).
- An OBE Assessment Manual has been developed to guide faculty in designing assessments, mapping outcomes, and calculating attainment levels.

Achievement

- Outcome statements are now available for all programs on the institutional website.
- Course files include CO-PO-PSO mapping and attainment analysis.
- Faculty and students demonstrate greater clarity regarding expected learning outcomes.
- Attainment levels are measured at the end of each semester using direct and indirect methods.
- The feedback from these assessments has been used to revise course content and improve teaching-learning strategies.

Reflection

The adoption of an outcome-based framework has improved curriculum alignment, student engagement, and assessment relevance. Continuous internal assessments are now more focused on achieving specific learning competencies. The clear articulation and dissemination of outcomes have enhanced transparency and accountability in the academic process. Going forward, the institution aims to further strengthen outcome tracking mechanisms and ensure deeper integration of graduate attributes across academic and co-curricular domains.

Bachelor of Business Administration (Finance & Taxation)

Course Name: Bachelor of Business Administration (Finance & Taxation)

Course Duration : 3 Years

Annual Intake : 20

Eligibility : Passed 10+2 any stream from any recognized board with minimum 50% marks. In case of candidates belonging to SC/ ST must have obtained 45% instead 50%.

Admission Process : Admission is made only in 1st year and is made once in a year. The candidate, who fulfils the eligibility criteria shall get registered. The candidate is required to appear in written test on notified date. The merit list shall be prepared based on test and the admission list will be notified.

Hostel : Hostel annual charges shall be as per the category of hostel opted. However cooperative messing charges shall be payable as decided

Tuition Fee : Check Now (notice/Fees-Structure-2025-26 new.pdf), Other charges shall be extra

Examination System : semester

How to Apply : A candidate seeking admission shall contact admission cell and get registered with university on the prescribed form. All registered candidates shall appear in the written admission test on date assigned and collect information for admission test. Candidates as per admission list shall report for admission.

Program Outcomes (POs)

PO1: Upon the completion of the BBA (Finance & Taxation) program, the individual must demonstrate maturity, professionalism and team working skills.

PO2: Upon the completion of the BBA (Finance & Taxation) program, the students will have general idea of operations in business, finance and taxation.

PO3: Upon the completion of the BBA (Finance & Taxation) program, the individual will have specialized skills to deal with area specific issues of concern.

PO4: Upon the completion of the BBA (Finance & Taxation) program, the individual will be able to apply technological knowhow for business advancements, specifically in the field of finance and taxation.

PO5: Upon the completion of the BBA (Finance & Taxation) program, the individual will be capable of analyzing, investigating and solving critical business issues of finance and taxation.

Program Specific Outcomes (PSOs)

PSO1: Upon the completion of the BBA (Finance & Taxation) program, the student will be able to analyze financial statements and make informed business decisions using financial tools.

PSO2: Upon the completion of the BBA (Finance & Taxation) program, the student will have expertise in tax laws, ensuring compliance and effective tax planning for individuals and businesses.

PSO3: Upon the completion of the BBA (Finance & Taxation) program, the student will develop skills in investment strategies, portfolio management, and risk assessment to optimize financial returns.

PSO4: Upon the completion of the BBA (Finance & Taxation) program, the student will understand financial regulations, corporate laws, and tax policies to promote ethical and legal business practices.

PSO1: Upon the completion of the BBA (Finance & Taxation) program, the student will be proficient in financial software, data analytics, and digital tools to enhance financial reporting and decision-making.

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BAREILLY INTERNATIONAL UNIVERSITY

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B.I.U.

Bareilly International University, Bareilly is established in accordance to UGC Act 1956 by the Uttar Pradesh Govt. Act No. 26 of 2016 dated 16th Sept 2016. The University has commenced academic activities from session 2016-17 with various courses.

Read more (history.php)

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BBA (Finance & Taxation)

Program Outcomes

PO1. Upon completion of the BBA (Finance & Taxation) program, the individual must demonstrate maturity, professionalism and team working skills.

PO2. Upon completion of the BBA (Finance & Taxation) program, the students will have general idea of operations in business, finance and taxation.

PO3. Upon completion of the BBA (Finance & Taxation) program, the individual will have specialized skills to deal with area specific issues of concern.

PO4. Upon completion of the BBA (Finance & Taxation) program, the individual will be able to apply technological knowhow for business advancements, specifically in the field of finance and taxation.

PO5. Upon completion of the BBA (Finance & Taxation) program, the individual will be capable of analyzing, investigating and solving critical business issues of finance and taxation.

Program Educational Objectives

- To develop students professionally to handle business issues, specifically in the field of finance and taxation.
- To develop students to be a better team worker.
- To bridge the gap between theoretical and practical knowledge of the students by adopting innovative teaching pedagogy.
- To develop socially, ethically responsible business leaders in the field of taxation and finance.
- To sharpen soft and hard skills among the students.
- To promote entrepreneurial skills among students.

BBA (Finance & Taxation)

Course Outcomes

S.NO.	Name of the Program	Name of the Course	Course Outcome
1.1	BBA(F&T)	Business Mathematics & Statistics	After the completion of the course, the students will be able to: • Analyse how matrices are used as mathematical tools in representing a system of equations. • Evaluate business problems involving complex linear relationships between decision variables and their determining factors. • Explain mathematical formulation and solution of problems related to average, interest calculation and profit & loss. • Understand the difference between permutations and combinations by solving problems. • Ability to interpret the correlation and regression technique between two or more than two variables.
1.2		Basic Accountancy	After the completion of the course, the students will be able to: • Understand the theoretical framework of accounts and the basic principles of accounting. • Interpret the principles of accounting and record, classify and summarize financial transactions of a business. • Analyse the accounting aspects related to depreciation of fixed assets and revenue recognition in the backdrop of relevant Indian Accounting Standards. • Analyse and interpret financial statements of companies. • Understand the practical applications of computerized Accounting.
1.3		Basics of Computer Application	After the completion of the course, the students will be able to: • Describe the various concepts and terminologies used in computing, computer networks and the internet. • Examine document creation for report

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			making and communication. • Identify and make good presentations. • Analyse various computations using various functions in the area of accounting and finance and represent the business data using suitable charts. • Identify the spread sheet knowledge acquired through this paper in solving real life problems that help in decision making.
1.4		Business Communication	After the completion of the course, the students will be able to: • Develop awareness regarding new trends in business communication, various media of communication and communication devices. • Outline the importance of communication and the various types and flows of communication in an organization. • Explain the process of communication, analyse the barriers to effective communication and develop the art of giving and receiving feedback. • Develop non- verbal communication skills & appropriate body language. • Demonstrate the skill of effective report writing & summarizing annual reports.
1.5		Principles of Management	After the completion of the course, the students will be able to: • Understand the principles of management and management theory. • Understand the various concepts of planning, organizing, leading and controlling in management. • Design and create a management plan, strategy, structure, and relevant processes for a given business situation. • Demonstrate various types of leadership styles and identify the motivation techniques used by leaders. • Demonstrate various types of authority, delegation and

Monika (Monika) (Atul Baby) (Dr Sunil Kr Singh) (Dr Abhishek) (Dr Abhishek Sharma) (Dr Purkpendra) (Shivani)

			decentralization in authority.
2.1		Human Resource Management	After the completion of the course, the students will be able to: • Understand how organisations manage their human resources. • Understand the roles and functions of HRM. • Understand how the HR planning, recruitment and selection process is done. • Understand various training and development programs organised by the organisation. • Understand various techniques of performance appraisal and job evaluation. • Aware about the emerging challenges of HRM.
2.2		Business Economics & Indian Economy	After the completion of the course, the students will be able to: • To explain basic tools of economic theory and strengthen their theoretical understanding and to use the approach of 'economic model' to show the relevance of economic theory • To enable them to evaluate economic issues and events from a microeconomics perspective. • Analyse how consumers try to maximize their satisfaction by spending on different goods. • Evaluate the relationship between inputs used in production and the resulting outputs and costs. • Analyse and interpret various facets of and pricing under different market situations.
2.3		Company & Corporate Law	After the completion of the course, the students will be able to: • Analyse the regulatory aspects and the broader procedural aspects involved in different types of companies covering the Companies Act, 2013 and Rules. • Recognize the basic legal documents and their usage essential for formation of a company. • Analyse the process and documents

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(Dr. Sunil Kr Sinha) (Dr. Ashish Sharma) (Shivani)

			required for raising capital for the company. • Evaluate the process of company meetings and corporate decision making. • Know the framework of dividend distribution and develop understanding of the winding up process including Insolvency Resolution.
2.4		Operation Research	After the completion of the course, the students will be able to: • Recognize the importance and value of operation research and linear programming in solving. • Understand practical problems in industry. • Interpret the transportation models' solutions and infer solutions to the real-world problems. • Recognize and solve game theory and assignment problems. • Gain knowledge of drawing project networks for quantitative analysis of projects. • Know when simulation and dynamic programming can be applied in real world problems.
2.5		Computer Application in Business	After the completion of the course, the students will be able to: • Understand basics of computer– input devices, output devices, hardware, software and operating system-based content. • Perform word processing, data creation, editing and formatting documents in the software. • Get the knowledge to calculate, organize, edit and present the numerical data in spread sheet. • Utilize database for creating files, perform queries, and create forms and reports. • Integrate online access applications in business for creation of database.
3.1		Fundamentals of Financial Management	After the completion of the course, the students will be able to: • Analyse the conceptual framework of

(Monika) (Abdul Babu) (Dr. Ashish Sharma) (Dr Pushpendra Shivani) (Shivani) (Dr. Sunil Kr. Singh)

			financial management and will have an insight into the concept of time value of money and risk and return. • Analyse the capital budgeting process and demonstrate decision making abilities using different techniques of capital budgeting. • Compute the cost of capital; critically analyse and understand different capital structure theories and factors affecting capital structure decision of a firm. • Analyse and understand different theories of dividend and factors affecting dividend policy. • Examine the concept of working capital and estimate working capital requirements of a firm; critically examine and decide optimum credit policy for a firm.
3.2		Direct Tax Law	After the completion of the course, the students will be able to: • Identify the technical terms related to Income tax. • Determine the residential status of an individual and scope of total income. • Compute income from salaries, house property, business/profession, capital gains and income from other sources. • Compute the net total income of an individual.
3.3		Cost and Account Management	After the completion of the course, the students will be able to: • Examine and analyse the different cost concepts and determine various components of cost of production. • Classify unit cost and total cost by preparing a cost statement. • Compare cost for different industries using job costing, process costing, contract costing and service costing. • Comprehend the different kinds of cost involved and develop methods for Cost Control. • Analyse and provide recommendations to improve the operations of organisations through the application of Cost accounting

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			techniques. • Apply cost accounting methods for both manufacturing and service industry.
3.4		Consumer Behaviour	After the completion of the course, the students will be able to: • Identify the major influences in consumer behaviour. • Distinguish between different consumer behaviour influences and their relationships. • Establish the relevance of consumer behaviour theories and concepts to marketing decisions. • Implement appropriate combinations of theories and concepts.
3.5		Principles of Marketing	After the completion of the course, the students will be able to: • Develop understanding of basic concepts of marketing, marketing philosophies and environmental conditions affecting marketing decisions of a firm. • Analyse the process of value creation through marketing decisions involving product development. • Analyse the process of value creation through marketing decisions involving product pricing and its distribution. • Understand the functioning of marketing, marketing mix and marketing environment. • Understand new product development process, factors affecting price of a product, pricing policies and strategies.
4.1		Management of Financial Service	After the completion of the course, the students will be able to: • To impart knowledge regarding the components of Indian Financial System. • To provide in-depth understanding of different avenues of financial system viz. capital markets, banking, insurance, mutual funds and other related services. • To enable the students to understand the role and functioning of regulatory

(Monika) (Atul Babu) (Dr Asingh) (Dr Pushpendra)

(Dr Sunil Kr Singh) (Dr Ashish Sharma) (Shiraj)

			bodies in financial sector. • To equip the students with skills required to operate in competitive environment in the service sector.
4.2		Indirect Tax Law	After the completion of the course, the students will be able to: • Explain the various terms related to indirect tax. • Distinguish the difference between forward change and reverse charge mechanism and also to understand the difference between composite and mixed supply. • Discuss the time, place and value of supply. • Discuss the contents and format for various documents like tax invoice, bill of supply, debit note, credit note, etc.
4.3		Financial Reports & Auditing	After the completion of the course, the students will be able to: • Summarise the basic concepts of auditing and acquaint with latest developments in the area of auditing. • Describe the need of auditing and the role of auditors. • Demonstrate the principles, procedures and techniques of auditing. • Interpret the contents of audit reports. • Analyse the provisions of Companies Act, 2013 relating to auditor and auditing.
4.4		Supply Chain Management	After the completion of the course, the students will be able to: • Understand fundamental supply chain management concepts. • Apply knowledge to evaluate and manage an effective supply chain. • Understand the foundational role of logistics as it relates to transportation and warehousing. • Learn how to align the management of a supply chain with corporate goals and strategies.
4.5		Corporate Accounting	After the completion of the course, the students will be able to: • Understand the accounting process

(Momika) (Abul Babu) (Dr Ashish) (Dr Pushpendra)

(Dr. Sushil Kr Singh) (Dr Ashish Sharma) (Shivraj)

			associated with shares and debentures. • Evaluate and accord appropriate treatment to accounting issues arising out of internal or external reconstruction. • Develop the basic skills involved in the preparation of financial statements of companies under the Companies Act. • Examine the matters related to issues of share capital, debentures, bonus shares, redemption of preference shares and debentures of a company. • Examine the annual reports of business organisations to find out whether applicable accounting standards (AS and Ind AS) are complied with or not.
4.6		Environmental Sciences	After completion of the course, Student will be able to: • Gain knowledge about environment and ecosystem. • Students will learn about natural resource, its importance and environmental impacts of human activities on natural resource. • Gain knowledge about the conservation of biodiversity and its importance. • Aware students about problems of environmental pollution, its impact on human and ecosystem and control measures. • Learn about increase in population growth and its impact on environment.
5.1		Goods and Services Tax	After the completion of the course, the students will be able to: • Analyse the rationale of Goods and Services Tax (GST), constitutional amendment carried out to install GST in India and comprehend the composition and working of GST council. • Interpret the meaning of supply under GST law, differentiate between intra-state and inter-state supply, provisions related to place of supply, time of

Monika (Monika) (Atul Bola) (Dr. Sunil Kr. Singh) (Dr Ashish) (Dr Asim) (Dr Pushpendra) (Shiraz)

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Monika (Monika) (Abdul Bobu) (Dr. Sunil Kr. Singh) (Dr Ashish Sharma) (Dr Ajeet Singh) (Dr Pushpendra) (Shiraz)

			supply and compute the value of supply. • Evaluate the utilization of input tax credit and the provisions of reverse charge mechanism • Analyse various returns under GST and payment of taxes. • Evaluate the concepts of Customs Act, various custom duties and computation of the assessable value for charging customs duty.
5.2		Security Analysis and Portfolio Management	After the completion of the course, the students will be able to: • Identify the investment opportunities and the nature of investment decisions. • Interpret the investment environment and assess the procedural issues of the security markets. • Choose from a framework of risk and return for enabling an understanding of the theoretical tenets of investment analysis. • Discuss and explore the relational and exploratory methods and influences considered by technical analysts. • Organize the various instruments and their regulatory systems on the portfolio analysis
5.3		Labour and Industrial Law	After the completion of the course, the students will be able to: • Elaborate the concept of Industrial Relations. • Illustrate the role of trade union in the industrial setup. • Outline the important causes and impact of industrial disputes. • Elaborate industrial dispute settlement procedures. • Summarize the important provisions of Wage Legislations. • Summarize the important provisions of Social Security Legislations.
5.4		Management Information System	After the completion of the course, the students will be able to: • Relate the basic concepts and technologies used in the field of management information systems.

Monika (Monika) (Abul Basar) (Abhishek) (COE Abhishek) (COE Pushpendra) (Dr. Sunil Kr. Singh) (Dr. Ashish Hamt.) (Shivani)

			• Compare the processes of developing and implementing information systems. • Outline the role of the ethical, social, and security issues of information systems. • Translate the role of information systems in organizations, the strategic management processes, with the implications for the management. • Apply the understanding of how various information systems, like DBMS, work together to accomplish the information objectives of an organization.
5.5		Banking and Insurance	After the completion of the course, the students will be able to: • Understand the meaning and scope of banking with functions of banks and their role into banking • Familiarize with regard to operations of banking and various services and benefits. • Develop insights on lending operations of banking and causes of NPA into banking sector. • Acquaint with the concept of Insurance through functions and fundamental principles of insurance. • Understand the types of insurance and regulatory framework of insurance.
6.1		Financial Markets and Institutions	After the completion of the course, the students will be able to: • Understand the meaning and scope of financial markets as well as institutions in India. • Understand the concepts of money market and capital market. • Explain commercial banking and its current developments. • Explain concept of Non-Banking Financial Companies (NBFC's) • Examine the Financial Services Industry
6.2		E-commerce and cyber laws	After the completion of the course, the students will be able to: • Describe the challenging needs of the society in the field of e-commerce. • Evaluate various applications in the context of online transactions.

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			• Construct the steps in designing of website. Compare various e-payment systems. • Analyse security and operational issues in e-commerce. • Identify and assess the impact of digital technology in transforming the business environment and also the customer journey.
6.3		Risk Management	After the completion of the course, the students will be able to: • Demonstrate knowledge of the range of financial and financial related risks facing organizations. • Understand the approach to risk management through risk identification, risk measurement and risk management (or mitigation) • Understand reputational risk. • Understand operational risk and how to manage it.
6.4		~~Consumer~~ Customer Relationship Management	After the completion of the course, the students will be able to: • Understand the basic concepts of customer relationship management. • To understand marketing aspects of customer relationship management. • Learn basics of analytical customer relationship management. • Understand basics of operational customer relationship management.

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Bachelor of Commerce (Hons)

Course Name: Bachelor of Commerce (Hons)

Course Duration : 4 Years

Annual Intake : 20

Eligibility : Passed 10+2 (any stream)from recognized board with minimum 50% marks. However, candidates from commerce stream will be given preference. In case of candidates belonging to SC/ ST must have obtained 45% instead 50%.

May I help you?

Admission Process : Admission is made only in 1st year and is made once in a year. The candidate, who fulfils the eligibility criteria shall get registered. The candidate is required to appear in written test on notified date. The merit list shall be prepared based on test and the admission list will be notified.

Hostel : Hostel annual charges shall be as per the category of hostel opted. However cooperative messing charges shall be payable as decided

Tuition Fee : Check Now (notice/Fees-Structure-2025-26 new.pdf), Other charges shall be extra

Examination System : semester

How to Apply : A candidate seeking admission shall contact admission cell and get registered with university on the prescribed form. All registered candidates shall appear in the written admission test on date assigned and collect information for admission test. Candidates as per admission list shall report for admission.

Program Outcomes (POs)

PO1. The curriculum planning of B.Com. (Hons.) Course provides the students thorough and inclusive knowledge of the areas related to finance, human resource management, marketing, international business, corporate and business laws, accounting and taxation etc.

PO2. The graduates of this programme will be trained to develop skills and attitudes needed for critical thinking and adopting a comprehensive problem-solving approach. They shall be exposed to the pedagogy that helps them understand real life situations through case-studies.

PO3. The teaching learning pedagogies used in the programme make the students capable enough to deliver and communicate information effectively with a mark.

PO4. The courses aim at instituting entrepreneurial skills in the students by instilling in them competencies needed to become an entrepreneur. These would lead to develop an attitude of life-long learning.

PO5. The courses also involve training the students to check unethical behaviour, falsification and manipulation of information in order to avoid debacles which can be seen rising persistently over the period of time. It would also help in making responsible citizens and facilitate character building.

PO6. This programme enables the students to be technologically updated as it has courses like computerized accounting system, computer applications etc. which not only make them work using software but also makes them independent enough in this world of digitization.

PO7. The courses of this programme give a global perspective to the students so that they will be able to integrate national values and beliefs with international culture and competence.

PO8. This programme enables the students to think of a given problem or situation from different perspectives like economic, financial, social, national, global etc. and broadens the horizon of their thought processes. It not only helps the students add dimensions to its decision making but also in reaching to inclusive conclusions.

Program Specific Outcomes (PSOs)

PSO1. Ability to effectively communicate both orally and verbally.

PSO2. Appreciate importance of working independently and in a team.

PSO3. Have exposure of complex commerce problems and find their solution.

PSO4. Process information by effective use of IT tools.

PSO5. Understand required mathematical, analytical and statistical tools for financial and accounting analysis.

PSO6. Develop an understanding of various commerce functions such as Finance, Accounting, HRM, Marketing, Financial analysis, project evaluation, cost accounting, taxation etc.

PSO7. Develop self-confidence and awareness of general issues prevailing in the society.

PSO8.B.Com (Hons.) Programme aims to equip students with the knowledge, skills and attitude to meet the challenges of the modern-day business organizations.

Apply Now (https://admissions.biuerp.com/)

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BAREILLY INTERNATIONAL UNIVERSITY

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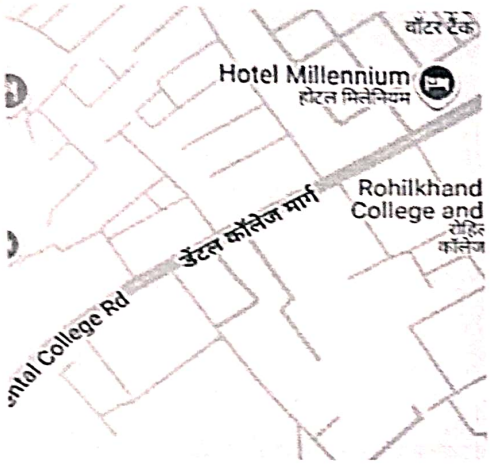
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B.I.U.

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Google Map



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B.Com. (Hons)

Program Outcomes

- The curriculum planning of B.Com. (Hons.) course provides the students thorough and inclusive knowledge of the areas related to finance, human resource management, marketing, international business, corporate and business laws, accounting and taxation etc.
- The graduates of this programme will be trained to develop skills and attitudes needed for critical thinking and adopting a comprehensive problem-solving approach. They shall be exposed to the pedagogy that helps them understand real life situations through case-studies.
- The teaching learning pedagogies used in the programme make the students capable enough to deliver and communicate information effectively with a mark.
- The courses aim at instituting entrepreneurial skills in the students by instilling in them competencies needed to become an entrepreneur. These would lead to develop an attitude of life-long learning.
- The courses also involve training the students to check unethical behaviour, falsification and manipulation of information in order to avoid debacles which can be seen rising persistently over the period of time. It would also help in making responsible citizens and facilitate character building.
- This programme enables the students to be technologically updated as it has courses like computerized accounting system, computer applications etc. which not only make them work using software but also makes them independent enough in this world of digitization.
- The courses of this programme give a global perspective to the students so that they will be able to integrate national values and beliefs with international culture and competence.
- This programme enables the students to think of a given problem or situation from different perspectives like economic, financial, social, national, global etc. and broadens the horizon of their thought processes. It not only helps the students add dimensions to its decision making but also in reaching to inclusive conclusions.

Purpose of the Programme

- The Purpose of this programme has been designed to promote understanding of the issues confronting the business world and the economy as a whole. The program will help understand various systems, policy framework, and strategies needed to administer the rapid changes in an organization's globally-oriented environment.
- This program will instill in the students the knowledge and capability of understanding the business world and its complexities. It will also develop the ability and competence to have a problem-solving approach towards the issues which accompany the dynamism attached to the business world. This degree course intends to inculcate attitudes and character that will help students evolve into sensitive and technically sound future business leaders rather than managers and aims at enhancing the employability options of the students.

Program Objectives

The programme also aims to develop the following abilities:

- Ability to effectively communicate both orally and verbally.

- Appreciate importance of working independently and in a team.
- Have exposure of complex commerce problems and find their solution.
- Process information by effective use of IT tools.
- Understand required mathematical, analytical and statistical tools for financial and accounting analysis.
- Develop an understanding of various commerce functions such as Finance, Accounting, HRM, Marketing, Financial analysis, project evaluation, cost accounting, taxation etc.
- Develop self-confidence and awareness of general issues prevailing in the society.
- B.Com (Hons.) Programme aims to equip students with the knowledge, skills and attitude to meet the challenges of the modern-day business organizations. The curriculum of B.Com. (Hons.) Degree provides a carefully selected subject combination of Accounting, Economics, Finance, Management, Tax, Marketing and Law etc. The programme aims to nurture the students in intellectual, personal, interpersonal and social skills with a focus on Holistic Education and development to make informed and ethical decisions and equips graduates with the skills required to lead management position. This programme brings out reflective and scientific thinking in the students which makes them inquisitive and curious to get deep insights of the business world and tackle the complex situations with much knowledge and wisdom.

Skills

The students after completing the program should inculcate the following skills:

- To demonstrating inclusive knowledge of the areas related to Accounting, Finance, Human Resource Management, Marketing, Business Laws, Corporate Governance, Direct and Indirect Taxation, International Business, etc.
- The attitude for critical thinking and adopting a comprehensive problem solving approach. Thinking from diverse perspectives for solutions of real life problems specially related to business.
- Development of the qualities of teamwork, cooperation and solidarity which can be seen as a vision of the current business world though full of competition.

(Abdul Basu) (Dr Ashish) (Dr Pushpendra) (Shivani)

(Monika) (Dr Ashish Sharma) (Dr Sunil Kr Singh)

S.No.	Name of the Program	Name of the Course	Course Outcome
1.1	B.Com (H)	Financial Accounting	After the completion of the course, the students will be able to: • Understand the theoretical framework of accounts and the basic principles of accounting. • Interpret the principles of accounting and record, classify and summarize financial transactions of a business. • Analyse the accounting aspects related to depreciation of fixed assets and revenue recognition in the backdrop of relevant Indian Accounting Standards. • Analyse and interpret financial statements of companies. • Understand the practical applications of computerized Accounting.
1.2		Principles of Management	After the completion of the course, the students will be able to: • Understand the principles of management and management theory. • Understand the various concepts of planning, organizing, leading and controlling in management. • Design and create a management plan, strategy, structure, and relevant processes for a given business situation. • Demonstrate various types of leadership styles and identify the motivation techniques used by leaders. • Demonstrate various types of authority, delegation and decentralization in authority.
1.3		Business Maths & Statistics	After the completion of the course, the students will be able to: • Analyse how matrices are used as mathematical tools in representing a system of equations. • Evaluate business problems involving complex linear relationships between decision variables and their determining factors. • Explain mathematical formulation and solution of problems related to average, interest calculation and profit & loss. • Understand the difference between

(Atul Bala) (Dr Ashish) (Dr Pushpendra) (Shivani)

(Monika) (Dr Sunil Kr Singh)

			permutations and combinations by solving problems. • Ability to interpret the correlation and regression technique between two or more than two variables.
1.4		Business Communication	After the completion of the course, the students will be able to: • Develop awareness regarding new trends in business communication, various media of communication and communication devices. • Outline the importance of communication and the various types and flows of communication in an organization. • Explain the process of communication, analyse the barriers to effective communication and develop the art of giving and receiving feedback. • Develop non- verbal communication skills & appropriate body language. • Demonstrate the skill of effective report writing & summarizing annual reports.
1.5		Computer Application	After the completion of the course, the students will be able to: • Describe the various concepts and terminologies used in computing, computer networks and the internet. • Examine document creation for report making and communication. • Identify and make good presentations. • Analyse various computations using various functions in the area of accounting and finance and represent the business data using suitable charts. • Identify the spread sheet knowledge acquired through this paper in solving real life problems that help in decision making.
2.1		Business Organization	After the completion of the course, the students will be able to: • Examine the dynamics of the most suitable form of business organisations in different situations. • Evaluate the various elements affecting the business environment. • Analyse business models for different organisations. • Record and report emerging issues and challenges of business organisations.

(Atul Babu) (Dr Asingh) (Dr Ashish) (Dr Pushpendra) (Shivani) (Monika) (Dr. Sunil Kashyap)

			• Defend changes in the working pattern of modern organisations.
2.2		Principles of Marketing	After the completion of the course, the students will be able to: • Develop understanding of basic concepts of marketing, marketing philosophies and environmental conditions affecting marketing decisions of a firm. • Analyse the process of value creation through marketing decisions involving product development. • Analyse the process of value creation through marketing decisions involving product pricing and its distribution. • Understand the functioning of marketing, marketing mix and marketing environment. • Understand new product development process, factors affecting price of a product, pricing policies and strategies.
2.3		Business Law	After the completion of the course, the students will be able to: • Examine basic aspects of contracts vis-a-vis agreements and subsequently enter into valid business propositions. • Describe various modes of discharge of contract and remedies available in case of breach. • Analyse the rights and obligations under the Sale of Goods Act. • To understand basic aspects of contracts for making the agreements, contracts and subsequently enter valid business propositions. • To understand the fundamentals of Negotiable Instruments and their different uses under Negotiable Instruments Act
2.4		Business Economics	After the completion of the course, the students will be able to: • To explain basic tools of economic theory and strengthen their theoretical understanding and to use the approach of 'economic model' to show the relevance of economic theory • To enable them to evaluate economic issues and events from a microeconomics perspective. • Analyse how consumers try to maximize

(Atul Babu) (Dr Asrar) (Dr Pushpendra) (Shivani)

Monika (Monika I) (Dr Sunil KV Singh)

			their satisfaction by spending on different goods. • Evaluate the relationship between inputs used in production and the resulting outputs and costs. • Analyse and interpret various facets of and pricing under different market situations.
2.5		Cost Accounting	After the completion of the course, the students will be able to: • Examine and analyse the different cost concepts and determine various components of cost of production. • Classify unit cost and total cost by preparing a cost statement. • Compare cost for different industries using job costing, process costing, contract costing and service costing. • Comprehend the different kinds of cost involved and develop methods for Cost Control. • Analyse and provide recommendations to improve the operations of organisations through the application of Cost accounting techniques. • Apply cost accounting methods for both manufacturing and service industry.
3.1		Entrepreneurial Development & Business Ethics	After the completion of the course, the students will be able to: • Understand the role of socio-economic environment in commencement of new business and the need of business ethics. • Understand the role of leadership in designing of feasible business model for new business. • To develop understanding of different macro and micro environmental forces and marketing strategies. • To understand different options to generate fund for new business along with its legal and social obligations. • To understand role of entrepreneur in economic growth and generation of employment opportunities.
3.2		Management Information System	After the completion of the course, the students will be able to: • Relate the basic concepts and technologies used in the field of management information

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Monika (Monika) Ms. ASHISH SHARMA
(Dr Sunil Kr Singh)

			systems. • Compare the processes of developing and implementing information systems. • Outline the role of the ethical, social, and security issues of information systems. • Translate the role of information systems in organizations, the strategic management processes, with the implications for the management. • Apply the understanding of how various information systems, like DBMS, work together to accomplish the information objectives of an organization.
3.3		Income Tax	After the completion of the course, the students will be able to: • Define the procedure of direct tax and indirect tax assessment. • Compute total income and define tax complicacies and structure in manual and online format. • File IT return for various assesses. • Assess and employ different provisions such as clubbing and set-off of income/loss as well as deductions applicable to individuals. • Develop the skill of computing taxable income and tax liability of an individual employing the basics of tax planning.
3.4		Marketing Management	After the completion of the course, the students will be able to: • Identify the scope and significance of marketing in domain industry. • Examine marketing concepts and phenomenon to current business events in the industry. • Coordinate the various marketing environment variables and interpret them for designing marketing strategy for business firms. • Illustrate market research skills for designing innovative marketing strategies for business firms. • Practice marketing communication skills relevant to the corporate world.
3.5		Human Resource Management	After the completion of the course, the students will be able to: • Understand how organisations manage their human resources.

(Atul Bodu) (Dr Abhishek Singh) (Dr Pushpendra) (Shivani)

(Monika) (Dr Abhishek Sharma) (Dr Sunil Kr Singh)

			capital markets, banking, insurance, mutual funds and other related services. • To enable the students to understand the role and functioning of regulatory bodies in financial sector. • To equip the students with skills required to operate in competitive environment in the service sector.
4.4		Auditing	After the completion of the course, the students will be able to: • Summarise the basic concepts of auditing and acquaint with latest developments in the area of auditing. • Describe the need of auditing and the role of auditors. • Demonstrate the principles, procedures and techniques of auditing. • Interpret the contents of audit reports. • Analyse the provisions of Companies Act, 2013 relating to auditor and auditing.
4.5		Financial Statement Analysis	After the completion of the course, the students will be able to: • Explain the meaning of financial statements as per Companies act, 2013. • Describe the tools of financial statements analysis. • Compute the financial ratios using spread sheets. • Analyse the financial performance of companies using the techniques of ratio analysis. • Examine the cash position of companies using the cash flow statements.
4.6		Environmental science	After the completion of the course, the students will be able to: • Gain knowledge about environment and ecosystem. • Students will learn about natural resource, its importance and environmental impacts of human activities on natural resource. • Gain knowledge about the conservation of biodiversity and its importance. • Aware students about problems of environmental pollution, its impact on human and ecosystem and control measures. • Learn about increase in population growth

(Atul Babu) (Dr Asingh) (Dr Pushpendra) (Shiwani)

Monika (Monika)

(Dr Sunil Kr Singh)

			and its impact on environment.
5.1		Foreign Trade	After the completion of the course, the students will be able to: • Explain the procedure for registration of exporters/importers. • Build an export costing sheet. • Analyse the role of export financing institutions. • Assess the merits and demerits of using letters of credit. • Draft an export contract. • Analyse and interpret various Export Documents.
5.2		Banking Theory & Practices	After the completion of the course, the students will be able to: • Appreciate the importance of regulation by learning important provisions of the Banking Regulation Act, 1949 • Distinguish between different types of deposit accounts, types of advances, modes of creating charges and types of securities, while understanding the importance of principles of sound lending. • Explain the special rights and duties of banker and customer, understand select provisions of the Negotiable Instruments Act and apply them in solving practical cases. • Explain financial intermediation and the role of commercial banks in credit creation, as well as in extending modern banking services. • Examine the various tools at the disposal of the Central Bank to regulate banks and to execute monetary policy.
5.3		Research Methodology	After the completion of the course, the students will be able to: • Examine research concepts, its types and steps in the research process. • Analyse research problems and assimilate various types of research design. • Examine scales, sampling techniques and design data collection tools. • Compare the various techniques of data analysis and interpretation. • Summarise a complete research report in appropriate format.

(Abdul Babu) (COV Ashish) COV Pusupendra (Shivani)

(Monika) (Dr. Sunil Kr. Singh)

5.4		Financial Management	After the completion of the course, the students will be able to: • Analyse the conceptual framework of financial management and will have an insight into the concept of time value of money and risk and return. • Analyse the capital budgeting process and demonstrate decision making abilities using different techniques of capital budgeting. • Compute the cost of capital; critically analyse and understand different capital structure theories and factors affecting capital structure decision of a firm. • Analyse and understand different theories of dividend and factors affecting dividend policy. • Examine the concept of working capital and estimate working capital requirements of a firm; critically examine and decide optimum credit policy for a firm.
5.5		Computerized Accounting	After the completion of the course, the students will be able to: • Understand manual and computerised accounting system environments. • Create a structure of a computerised accounting system for a business firm. • Record day to day business transactions in Computerised Accounting System. • Make necessary adjustments for Goods and Service Tax (GST) while recording business transactions. • Generate various accounting reports for analysis and decision making
6.1		Managerial Accounting	After completion of the course, Student will be able to: • Identify differences between various forms of accounting—Financial, Managerial and Cost and the role of a Management Accountant. • Identify cost according to their associated activities and apply costing techniques for computing cost of products or services. • Prepare income statements using variable costing and absorption costing. • Make various managerial decisions on the basis of learning about concepts and issues involved therein.

(Atul Bakshi) (Dr Agnish) (Dr Pushpendra) (Shivani)

(Monika) (Dr Sushil Kr Sethi)

			• Prepare different forms of budgetary statements, identify and control cost at a responsibility centre assigned to a manager, analyse and report performance of the assigned responsibility centre.
6.2		Company Law	After the completion of the course, the students will be able to: • Analyse the regulatory aspects and the broader procedural aspects involved in different types of companies covering the Companies Act, 2013 and Rules. • Recognize the basic legal documents and their usage essential for formation of a company. • Analyse the process and documents required for raising capital for the company. • Evaluate the process of company meetings and corporate decision making. • Know the framework of dividend distribution and develop understanding of the winding up process including Insolvency Resolution.
6.3		Theory and Practices of GST	After the completion of the course, the students will be able to: • Analyse the rationale of Goods and Services Tax (GST), constitutional amendment carried out to install GST in India and comprehend the composition and working of GST council. • Interpret the meaning of supply under GST law, differentiate between intra-state and inter-state supply, provisions related to place of supply, time of supply and compute the value of supply. • Evaluate the utilization of input tax credit and the provisions of reverse charge mechanism • Analyse various returns under GST and payment of taxes. • Evaluate the concepts of Customs Act, various custom duties and computation of the assessable value for charging customs duty.
6.4		Investment Management	After the completion of the course, the students will be able to: • Understand the investment environment and basic building blocks of risk and return • Determine a suitable asset allocation for an

			individual. • Analyse the framework for investment in fixed income securities and equities. • Apply the basic tools to evaluate the intrinsic value of different types of financial instruments. • Develop the ability to use the basic techniques of fundamental analysis and technical analysis. • Create a portfolio by applying the principles of investments to choose suitable financial instruments.
6.5		International Finance	After the completion of the course, the students will be able to: • Describe the international financial environment in the context of international fund flows, international financial markets and international financial agencies, and how they affect multinational corporations. • Demonstrate knowledge of basic theorems of exchange rate determination, interest rates and inflation and the role of arbitrage in keeping the foreign exchange market efficient. • Apply knowledge of foreign exchange hedging to identify and manage the foreign exchange risks. • Demonstrate the ability to select global financing strategies and propose solutions that will take advantage of opportunities in the global financial markets to the benefit of relevant stakeholders. • Analyse multinational capital budgeting to enable firms to make informed investment decisions.

(Atul Batra) (Dr Abhishek Singh) (Dr Parikshendra) (Dr. Sunil Kr Singh) (Shivani) (Manika) (Mr. Ashish Sharma)

Bachelor of Computer Application (IT & Multimedia)

Course Name: Bachelor of Computer Application (IT & Multimedia)

Course Duration : 3 Years

Annual Intake : 20

Eligibility : Passed 10+2 any stream from any recognized board with minimum 50% marks. In case of candidates belonging to SC/ ST must have obtained 45% instead 50%.

May I help you?

Admission Process : Admission is made only in 1st year and is made once in a year. The candidate, who fulfils the eligibility criteria shall get registered. The candidate is required to appear in written test on notified date. The merit list shall be prepared based on test and the admission list will be notified.

Hostel : Hostel annual charges shall be as per the category of hostel opted. However cooperative messing charges shall be payable as decided

Tuition Fee : Check Now (notice/Fees-Structure-2025-26 new.pdf), Other charges shall be extra

Examination System : semester

How to Apply : A candidate seeking admission shall contact admission cell and get registered with university on the prescribed form. All registered candidates shall appear in the written admission test on date assigned and collect information for admission test. Candidates as per admission list shall report for admission.

Program Outcomes (POs)

PO1: Apply mathematics and computing fundamental and domain concepts to find out the solution of defined problems and requirements. (Computational Knowledge)

PO2: Use fundamental principle of Mathematics and Computing to identify, formulate research literature for solving complex problems, reaching appropriate solutions. (Problem Analysis)

PO3: Understand to design, analyze and develop solutions and evaluate system components or processes to meet specific need for local, regional and global public health, societal, cultural, and environmental systems. (Design/Development of Solutions)

PO4: Use expertise research-based knowledge and methods including skills for analysis and development of information to reach valid conclusions. (Conduct Investigations of Complex Computing Problems)

PO5: Use expertise research-based knowledge and methods including skills for analysis and development of information to reach valid conclusions. (Conduct Investigations of Complex Computing Problems)

PO6: Exhibiting ethics for regulations, responsibilities and norms in professional computing practices. (Professional Ethics)

PO7: Enlighten knowledge to enhance understanding and building research, strategies in independent learning for continual development as computer applications professional. (Lifelong Learning)

PO8: Establishing strategies in developing and implementing ideas in multi- disciplinary environments using computing and management skills as a member or leader in a team. (Project Management and Finance)

PO9: Contribute to progressive community and society in comprehending computing activities by writing effective reports, designing documentation, making effective presentation, and understand instructions. (Communication Efficacy)

PO10: Gain confidence for self and continuous learning to improve knowledge and competence as a member or leader of a team. (Individual and Teamwork)

PO11: Gain confidence for self and continuous learning to improve knowledge and competence as a member or leader of a team. (Individual and Teamwork)

Program Specific Outcomes (PSOs)

PSO1. Students will able to understand, analyze and develop computer programs in the areas related to algorithm, web design and networking for efficient design of computer based system.

PSO2. Apply standard software engineering practices and strategies in software project development using open source programming environment to deliver a quality of product for business success.

PSO3. Student will able to know various issues, latest trends in technology development and thereby innovate new ideas and solutions to existing problems.

Apply Now (https://admissions.biuerp.com/)

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BAREILLY INTERNATIONAL UNIVERSITY

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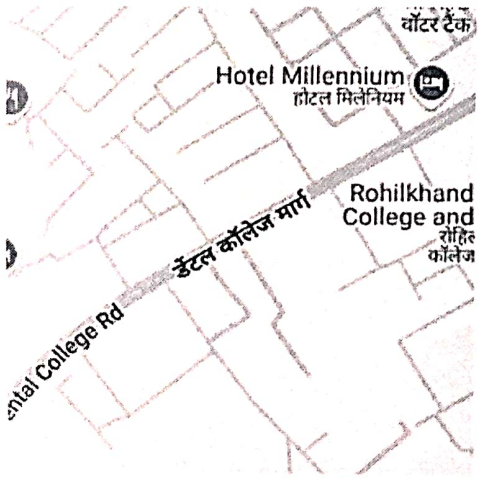
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B.I.U.

Bareilly International University, Bareilly is established in accordance to UGC Act 1956 by the Uttar Pradesh Govt. Act No. 26 of 2016 dated 16th Sept 2016. The University has commenced academic activities from session 2016-17 with various courses.

Read more (history.php)

Google Map



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Program Outcomes for BCA(IT & Multimedia)

PO 1: Apply mathematics and computing fundamental and domain concepts to find out the solution of defined problems and requirements. (Computational Knowledge)

PO 2: Use fundamental principle of Mathematics and Computing to identify, formulate research literature for solving complex problems, reaching appropriate solutions. (Problem Analysis)

PO 3: Understand to design, analyze and develop solutions and evaluate system components or processes to meet specific need for local, regional and global public health, societal, cultural, and environmental systems. (Design/Development of Solutions)

PO 4: Use expertise research-based knowledge and methods including skills for analysis and development of information to reach valid conclusions. (Conduct Investigations of Complex Computing Problems)

PO 5: Use expertise research-based knowledge and methods including skills for analysis and development of information to reach valid conclusions. (Conduct Investigations of Complex Computing Problems)

PO 6: Exhibiting ethics for regulations, responsibilities and norms in professional computing practices. (Professional Ethics)

PO 7: Enlighten knowledge to enhance understanding and building research, strategies in independent learning for continual development as computer applications professional. (Lifelong Learning)

PO 8: Establishing strategies in developing and implementing ideas in multi-disciplinary environments using computing and management skills as a member or leader in a team. (Project Management and Finance)

PO 9: Contribute to progressive community and society in comprehending computing activities by writing effective reports, designing documentation, making effective presentation, and understand instructions. (Communication Efficacy)

PO 10: Gain confidence for self and continuous learning to improve knowledge and competence as a member or leader of a team. (Individual and Teamwork)

PO 11: Gain confidence for self and continuous learning to improve knowledge and competence as a member or leader of a team. (Individual and Teamwork)

Program Specific Outcomes (PSO):

1) Students will able to understand, analyze and develop computer programs in the areas related to algorithm, web design and networking for efficient design of computer based system.

2) Apply standard software engineering practices and strategies in software project development using open source programming environment to deliver a quality of product for business success.

3) Student will able to know various issues, latest trends in technology development and thereby innovate new ideas and solutions to existing problems.

BCA(IT & Multimedia)

Course Outcomes

1st Semester

1. Computer Fundamental & PC Software

CO 1:	The objective of this course is to familiarize students with complete computer's Fundamentals.
CO 2:	Enhance skill of the packages commonly used in computing software.
CO 3:	Understanding of different Operating systems.
CO4:	Apply Word Processing Tools including Document Formatting, Using Graphics, Working with Macro and Mail Merge etc

2. Programming in 'C'

CO 1:	Use the fundamentals of C programming in trivial problem solving.
CO 2:	Illustrate the flowchart and design algorithm for a given problem and to develop C programs using operators
CO 3:	Identify solution to a problem and apply control structures and user defined functions for solving the problem.
CO4:	Apply skill of identifying appropriate programming constructs for problem solving.

3. Principles of Management

CO 1:	Understanding Management Fundamentals:
CO 2:	Mastering the Art of Planning and Decision-Making:
CO 3:	Efficient Organizing and Staffing. Effective Leadership and Control.
CO4:	Managing People and Organizational Behavior.Leveraging Computer Applications in Management

4. Basic Mathematics

CO 1:	Perform basic computations in higher mathematics.
CO 2:	Solve problems in Integral calculus, limits and Continuity, Coordinate Geometry, Matrices and Differential Equations.

CO 3: Develop and maintain problem-solving skills

5. Communicative English

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LAB:

1) PC Software
2) 'C' Programming

2nd Semester

1. Data Structure using 'C'

CO 1: Understand concepts such as Data Organizations, Need of Data Structures, Types of Data Structure, Algorithm Complexity, and Time-Space trade-off.
CO 2: Study linear data structures such as stacks and queues and understand their difference
CO 3: Study different techniques for solving problems like sorting and searching

2. Introduction to Database System

CO 1: Understand terms related to database design and management.
CO 2: Assess various database models.
CO 3: Evaluate the normality of a logical data model, and correct any anomalies
CO4: Implement relational databases using MySQL.

3. Business Organisation & Management

CO 1: Foundations of Business and Management
CO 2: Gain knowledge of various forms of business organizations
CO 3: Comprehend the concept of organizational structure
CO4: Understand the concept of coordination

4. Human Values & Ethics
5. **Elective:**
   - **1 - Digital Electronics**

CO 1: Understand Digital Computer and Digital Systems.

CO 2: Understand the logic and applications of Boolean algebra and logic gates.

CO 3: Understand the concept of Combinational circuits, Sequential circuits and memory

- **2 – Foundations of Information Technology**
- **3 – Introduction to E- Governance**

CO 1: Grasp the basics of E-Governance, its importance, and its impact on personal and professional life.

CO 2: Understand terminologies related to National e-Governance Plan and its framework.

CO 3: Analyze and the development process of E-Governance Projects

CO4: Understanding the Reengineering of E-Governance process

LAB:

1) *Data Structure*
2) *RDBMS*

3rd Semester

1. Object Oriented Programming using 'JAVA'

CO 1: Use the syntax and semantics of java programming language and basic concepts of OOP.

CO 2: Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.

CO 3: Apply the concepts of Multi-threading and Exception handling to develop efficient and error free codes.

2. Operating System

CO 1: Understand fundamental operating system abstractions such as processes, threads, files, semaphores, IPC abstractions, shared memory regions, etc.,

CO 2: Analyze important algorithms e.g. Process scheduling and memory management algorithms

CO 3: Categorize the operating system's resource management techniques, dead lock management techniques, memory management techniques

3. Computer Graphics, Multimedia & Animation

CO 1:	Understand the basics of computer graphics, different graphics systems and applications of computer graphics.
CO 2:	Understand the role played by various contents management. Learn to add text, image, audio, video, animation contents management.
CO 3:	Understand various algorithms for scan conversion and filling of basic objects and their comparative analysis. Extract scene with different clipping methods and its transformation to graphics display device.
CO4:	Understanding animation and its principles. Understand common application of multimedia contents and its security technique

4. IT Enabled Services & Application

CO 1:	Define and explain the concept of IT-enabled services
CO 2:	Evaluate business processes to identify potential areas for outsourcing
CO 3:	Utilize information technology tools and platforms in the delivery of services
CO 4:	Implement and demonstrate the use of ITES applications in various industries (e.g., healthcare, finance, e-commerce)

5. Elective:

➢ 1 – Computer Organisation & Architecture

CO 1:	Remember and Understand the basics of computer architecture, organization and Design.
CO 2:	Understand the operations of CPU, I/O and Memory
CO 3:	Understand the concept of parallel processing and pipelining

➢ 2 – Discrete Mathematics

CO 1:	Understand sets and perform operations and algebra on sets.
CO 2:	Analyze logical propositions via truth tables. Understand and construct correct mathematical arguments.
CO 3:	Determine properties of relations, identify equivalence and partial order relations, sketch relations
CO4:	Understand algebraic structures, graph theory.

➢ 3 – Personality and Soft Skill Development

CO 1:	Grasp the basics of personality development, its importance, and its impact on personal and professional life.
CO 2:	Learn motivational techniques to boost self-confidence and personal development.
CO 3:	Effective Written Communication
CO 4:	Oral Communication and Public Speaking

LAB:

1) *JAVA Programming*
2) *CGMA Creation*

4th Semester

1. Programming in Python

CO 1:	Remember the basic principles of Python programming language
CO 2:	Implement object oriented concepts in Python.
CO 3:	Analyze Functional Programming Paradigm with Python.
CO4:	Create tools for web scrapping.

2. Computer Networks

CO 1:	To identify the components required to build different types of networks.
CO 2:	Understand the division of network functionalities into layers.
CO 3:	Be familiar with the components required to build different types of networks.
CO4:	Be exposed to the required functionality at each layer.

3. Web Technology

CO 1:	Understand best technologies for solving web client/server problems
CO 2:	CO 2: Analyze and design real time web applications
CO 3:	Use Java script for dynamic effects and to validate form input.
CO4:	Analyze to Use appropriate client-side and Server-side application technology

4. Environmental Science

5. Elective:

- **1 – Software Engineering**

CO 1:	Familiarize Software and Software Engineering.
CO 2:	Evaluate the Software Requirement Analysis.
CO 3:	Design about the Structured Analysis.
CO4:	Identify the Software Design. Appropriate about the Software Testing methods

➢ **2 - Accounting & Financial Management**

CO 1:	Identify and apply accounting principles, concepts, and conventions in practical scenarios.
CO 2:	Understand the purpose and preparation of a trial balance.
CO 3:	Explore standard costing, its objectives, advantages, and limitations.
CO4:	Learn to prepare cost sheets and tender price statements.

➢ **2 – Information System for Business**

CO 1:	Remember the role of Information System in an organization.
CO 2:	Understand terminologies related to Information System.
CO 3:	Analyze the development process of an Information System.
CO4:	Understand ethics and responsibilities of a person and organization in a Digital Age.

➢ **3 – E-Commerce**

CO 1:	Understanding E-commerce Fundamentals
CO 2:	Develop strategies for marketing, sales, promotions, purchasing etc.
CO 3:	Identify the requirements and impacts of e-business and develop strategic positioning
CO4:	Recognize security risks on the internet, networks, and websites

LAB:

1) *Python Programming*
2) *Web Designing*

5th Semester

1. GUI Programming using .NET Framework

CO 1:	Understanding of the .NET Framework
CO 2:	Proficiency in Visual Basic programming
CO 3:	Understanding of OOP concepts

CO4: Proficiency in creating data-driven web forms

2. Artificial Intelligence & Virtual Reality (AIVR)

CO 1: Understand the basics of Artificial Intelligence and gain knowledge of the learning process and its models.
CO 2: Understand different types of search techniques.
CO 3: Understand Virtual Reality Concepts
CO4: Understanding of Machine Learning & Generative Pre-Trained Transformers.

3. Indian Knowledge System

4. Industrial Training:

CO 1: Identify the complex Programming problems for software project and applying technical knowledge to solve the problems.
CO 2: Understanding the systematic process & sound technical knowledge about the project
CO 3: Demonstrate different methodologies for making projects and documentation/report writing.
CO4: Design software solutions to various problems used for societal benefits.

5. Elective:

➢ 1 – Introduction to Cloud Computing

CO 1: Understand the key dimensions of the challenges and benefits of Cloud Computing.
CO 2: Describe the principles of Parallel and Distributed Computing and evolution of cloud computing from existing technologies
CO 3: Implement different types of Virtualization technologies and Service Oriented Architecture systems
CO4: Choose among various cloud technologies for implementing applications.

➢ 2 – Operation Research

CO 1: Define and formulate linear programming problems and appreciate their limitations
CO 2: Solve linear programming problems using appropriate techniques and optimization solvers, interpret the results obtained and translate solutions into directives for action.
CO 3: Determine the optimal solution for Transportation problems and Assignment problems.
CO4: Decide an optimal replacement period/policy for a given item/equipment/machine.

CO5:	Explain the concepts of dynamic optimization and its application in real-world problems and define the solution concepts and optimality conditions
CO6:	Simulate different real life probabilistic situations using Monte Carlo simulation technique and Plan, Schedule and Control the given project.

➢ **3 – Blockchain Foundation**

CO 1:	To articulate the fundamentals of Blockchain
CO 2:	Able to understand cryptographic concepts underlying Blockchain technology.
CO 3:	To examine various types of Blockchain networks and consensus algorithms.
CO4:	To make use of wallet transactions, crypto tokens, analyze the block details and Blockchain network.

LAB:

1) .NET Programming

6th Semester

1. Introduction to Data Science

CO 1:	Understand the basic principles and concepts of data science and its relevance to management.
CO 2:	Collect, pre-process, and explore datasets to extract meaningful insights.
CO 3:	Apply statistical techniques and models to analyse data and draw conclusions.
CO4:	Develop predictive models to forecast future trends and outcomes.

2. Internet of Things (IoT)

CO 1:	Comprehensive Understanding of IoT Fundamentals
CO 2:	Proficiency in IoT Network Engineering
CO 3:	Data and Analytics Expertise for IoT
CO4:	Application of IoT Across Industries

3. IT Act & Cyber Awareness

CO 1:	Understanding Cyber Law Fundamentals.
CO 2:	Recognize the evolution of cyber-crime and its various manifestations

CO 3:	Understand the concept Cyber Security and Solutions
CO4:	Explore organizational and management issues related to cyber law, including jurisdictional challenges

4. Major Project:

CO 1:	Identify the complex Programming problems for software project and applying technical knowledge to solve the problems.
CO 2:	Understanding the systematic process & sound technical knowledge about the project
CO 3:	Demonstrate different methodologies for making projects and documentation/report writing.
CO4:	Design software solutions to various problems used for societal benefits.

5. Elective:

➢ 1 – Software Testing

CO 1:	Understanding Software Testing Fundamentals.
CO 2:	Exploring Testing Approaches and Techniques.
CO 3:	Specialized Testing for Diverse Environments.
CO4:	Software Testing Strategies and Metrics. Exploring Specialized Testing Tools

➢ 2 – Digital Marketing

CO 1:	Understand the fundamental components and strategies of Digital Marketing
CO 2:	Develop and implement effective SEO and SEM strategies
CO 3:	Apply the various types of email marketing and automation techniques
CO4:	Utilize social media platforms to create engaging content and successful campaigns

➢ 3 – Mobile Application Development

CO 1:	Understanding of Mobile Development Concepts
CO 2:	Proficiency in Mobile App Design and Development
CO 3:	Skill in Data Storage and Retrieval
CO4:	Ability to Build and Deploy Mobile Apps

LAB:

1) Data Science

MHA (Masters of Hospital Administration)

Course Name: MHA (Masters of Hospital Administration)

Course Duration : 2 Years

Annual Intake : 10

Eligibility : Completed Graduation from any recognized University with minimum 50% marks in case of candidates belonging to SC/ ST must have obtained 45% instead 50%.

May I help you?

Admission Process : Admission is made only in 1st year and is made once in a year. The candidate, who fulfils the eligibility criteria shall get registered. The candidate is required to appear in written test on notified date. The merit list shall be prepared based on test and the admission list will be notified.

Hostel : Hostel annual charges shall be as per the category of hostel opted. However cooperative messing charges shall be payable as decided

Tuition Fee : Check Now (notice/Fees-Structure-2025-26 new.pdf), Other charges shall be extra

Examination System : semester

How to Apply : A candidate seeking admission shall contact admission cell and get registered with university on the prescribed form. All registered candidates shall appear in the written admission test on date assigned and collect information for admission test. Candidates as per admission list shall report for admission.

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BAREILLY INTERNATIONAL UNIVERSITY

BIU College of Management

Program Outcomes:

The learning and abilities or skills that a student would havedeveloped by the end of two-year MHA program are:

The overall aim is to develop a deeper understanding of the interdisciplinary nature of Master of Hospital Administration & administration, provide basic insights into functions of various departments and develop skills and competencies for effective Master of Hospital Administration. At the end of the MHA Programme the students willbe able to –

Programme Specific Outcomes (PSOs)	
PSO – 1	Understanding management concepts, techniques & tools related to the health care operations/functions.
PSO – 2	Understanding the need and importance of cost effective sustainable healthcare throughdemand generation and enhanced quality care.
PSO – 3	Understanding planning techniques & developing future plans in the different functionalareas of Master of Hospital Administration and execute the plan.
PSO – 4	Applying inter-linkages among functional areas of a hospital and develop cross-functionalskills.
PSO – 5	Analyzing& promoting patient centered care with a continuous quality improvement ensuring smooth functioning of core process by forecasting, streamlining patient flow, staffscheduling, planning space/ facilities/ supplies, maintenance, etc.
PSO – 6	Assessing the modern planning techniques for better Master of Hospital Administration.
PSO – 7	Implementing National Health Policies & Missions and developing and executing community health programs associated with hospitals.
PSO – 8	Formulating & executing strategy at functional (Marketing, Human resource, Finance and International Business) &hospital business level.

S.No.	NAME OF THE PROGRAM	NAME OF THE COURSE	COURSE OUTCOMES
1.1	MHA	Healthcare and Hospital Environment	Understanding the role of a manager and its relations to the organization's mission.
			Understanding key 'management' concepts, theories, philosophies, its evolution, basic functions and managerial skills.
			Analyzing the influence of historical management thoughts on the current practice of management.
			Applying various management concepts, theories, philosophies functions for an effective management of business organization.
			Evaluating social responsibility and ethical issues involved in business situations and logically articulate company's position on such issues.
1.2	MHA	PRINCIPLES OF MANAGEMENT	Understanding the role of a manager and its relations to the organization's mission.
			Understanding key 'management' concepts, theories, philosophies, its evolution, basic functions and managerial skills.
			Analyzing the influence of historical management thoughts on the current practice of management.
			Applying various management concepts, theories, philosophies functions for an effective management of business organization.
			Evaluating social responsibility and ethical issues involved in business situations and logically articulate company's position on such issues.
1.3	MHA	Organizational Behavior	Understanding and describing the concepts anchored to OB and its evolution.
			Understanding and analyzing the behavioural concepts related to

			Individuals like Perception, Attitude, Personality, and Learning.
			Understanding and applying the theories of Motivation, Leadership, Group Dynamics for effective - team and organizational management.
			Assessing and analyzing Group Dynamics and develop sound Interpersonal Relationships for effective group Behaviour.
			Analyzing and evaluating Stress and Conflict situations and developing strategies for their resolution.
1.4	MHA	COMMUNICATION AND REPORT WRITING IN HOSPITAL	Understanding the basics of business communication process, types and networks of communication.
			Understanding the barriers of communication, importance of listening skills and effective presentation skills.
			Applying techniques of effective communication- both verbal and non-verbal at the workplace.
			Creating an effective presentation using slides and other visual aids.
			Understanding and analyzing the various types of interview and GroupDiscussion techniques and applying them during real life situations.
1.5	MHA	Healthcare economics	Understanding the fundamental concepts and theories of economics relevant to business organizations.
			Understanding the concepts and theories of cost, production and revenue in relationship to Business operations.
			Applying the demand and supply laws and assessing the economic position of a company.

			Applying the marginal analysis to assess different market conditions.
			Evaluating price and output decisions for different market structures.
1.6		**Human Values and Professional Ethics**	Understanding concepts of human values and professional ethics.
			Applying Sanyam & Swasthya practices in life.
			Applying human values and developing harmony among self, family and society.
			Evaluating self and professional requirements to become good citizen and ethical person.
			Developing self into a professional individual and an ethical personality.
1.7		**Computer Fundamentals and Information Systems**	Understanding and describing the various Input and output devices and components of a computer system
			Understanding the functions of MS Word, MS Excel, MS Power point and their application
			Applying MS Office tools at workplace for effective functioning.
			Understanding concepts and requirements of MIS in business organizations.
			Analyzing MIS requirements in business organization.
			Evaluating various tools, techniques and systems of MIS to suit the Organizational requirement.
			Developing MIS architecture for the organization.
2.1	**MHA**	**Human Resource Management**	Understanding concepts related to manpower need, acquisition, compensation, assessing performance, training & developing, discipline and separation.
			Analyzing and assessing manpower requirement, training needs, performance of people and compensation

			systems.
			Understanding various concepts of job analysis and use those in developing a job design.
			Developing and executing plans and systems for recruitment, training, performance appraisal and compensation.
			Analyzing and developing grievance handling systems, promotions, transfers and separation plans.
2.2	MHA	HOSPITAL SERVICES MARKETING	Understanding the role and functions of marketing in an organizations.
			Understanding 'marketing' concepts, theories and techniques of marketing.
			Analyzing the dynamic marketing environment & about marketing strategy decisions are taken for overcoming competition.
			Applying various marketing conceptual frameworks, theories and techniques to various marketing contexts.
			Developing a comprehensive marketing plan for an organization and taking operational decisions for marketing plan implementation.
2.3	MHA	Strategic Management	Understanding the various perspectives, concepts and process in the field ofStrategic Management.
			Understanding tools and techniques used in strategic management, and levels,strategic alternatives and types of strategies.
			Formulating corporate and business strategies based on strategic analysis.
			Implementing/executing strategy and Applying evaluation and control

			techniques.
			Analyzing the competitive situation, business environment and strategicdilemma to adapt to the dynamic global and local business environment.
2.4	MHA	**Management of Intellectual Property Rights**	Understanding the basics of patent and copyright and other acts of IPR.
			Understanding the information in patent documents which provide useful insights onnovelty of their idea from state-of-theart search.
			Understanding the documentation process of applying the patent.
			Analyzing the information in patent document which provide useful insights on thenovelty of their idea from state-of-theart search.
			Developing new ideas or innovations which can be registered for patent.
2.5	MHA	**Financial Management**	Understanding the objectives, role, functions and process of financial management; structure and functions of financial markets; various financial instruments and financial intermediaries.
			Understanding the Indian Financial System and recognizing the need of financial planning.
			Understanding and analyzing the structure and functions of financial markets, various financial instruments and financial intermediaries.
			Analyzing and estimating the requirement of fund and cost of capital for various sources of funds.
			Analyzing the impact of short term and long term financial decisions of an organization and the various tools used for such decisions.
			Making various capital budgeting decisions through various techniques of project appraisal.
2.6	MHA	**Bio statistics**	At the end of the course the students should be able to:

			Explain the concepts and statistical techniques used to analyze business data.
			Use the essential tools of applied statistics, including data analysis, basic probability, probability models (distributions), sampling theory, confidence interval estimation, hypothesis testing, analysis of variance, regression and correlation. Apply statistical methodology properly.
			Use statistical analysis as decision support in business.
			Understand the complex, dynamic, and multidimensional issues and perspectives involved in statistical analyses of business situations
			Employ critical thinking and independent problem solving skills to business problems. Communicate clearly the results of a statistical analysis.
2.7	**MHA**	**Entrepreneurship Development**	Understanding the concepts, theories, tools & techniques & methods related to entrepreneurship.
			Analyzing business situations including enabling & restricting issues & available resources for setting up an entrepreneurial organization.
			Appling concept, techniques & methods for success of enterprise.
			Evaluate business opportunities and making decision about product, finance and function of business.
			Developing a business plan and executing the business plan
2.8	**MHA**	**Managerial Economics**	Understanding the fundamental concepts and theories of economics relevant to business organizations.
			Understanding the concepts and theories of cost, production and revenue in relationship to Business operations.
			Applying the demand and supply

			laws and assessing the economic position of a company.
			Applying the marginal analysis to assess different market conditions.
			Evaluating price and output decisions for different market structures.
2.9		**Quantitative Techniques for Managers**	Understanding the concepts & techniques of business decision optimization.
			Analyzing various optimization techniques used in making business decisions.
			Applying various optimization and statistical tools and techniques for optimizeddecision making.
			Evaluating various optimization tools and techniques to solve business problems.
			Developing the model based on analytics decision making of business problems.
2.10		**Operations Research**	Identifying and developing operational research models from the verbal description ofthe real system.
			Understanding the mathematical tools that are needed to solve optimization problems.
			Understating the usage of mathematical software to solve the proposed models.
			Analyzing the results and proposing recommendations in language understandable tothe decision-making processes in Management Engineering
			Developing a report that describes the model and the solving technique.
2.11	**MHA**	**Legal Aspects of Business**	Understanding and describing important provisions and elements of IndianContract act 1872 and their practical applicability in business.
			Understanding and analyzing different types of agreements and contracts inbusiness life.
			Understanding and analyzing special contracts like Indemnity and

			Guarantee,Bailment and Pledge.
			Understanding key provisions of Sale of Goods Act 1930, Indian ContractAct 1872 and negotiable instrument act.
			Developing a hypothetical contract between two parties and sale agreementmaking.
3.1		**Hospital planning and engineering**	Understanding the classification of hospitals and factors influencing hospital utilization.
			Understand master facility plan of a hospital and developing engineering plans for thinfm.
			Analyzing the working of different departments of hospitals in order to improve them
			Analyzing the administration of hospitals and enhance their working.
			Applying the knowledge of Master of Hospital Administration in the hospital operations.
3.2		**Organization & Management clinical of services**	Understanding the dimensions of hospital services
			Understanding the administrative structure of a hospital.
			apply learning to manage medical record department.
			Developing the medical audit procedures.
			Assessing and conduction medical audit.
3.3	**MHA**	**RESEARCH METHODOLOGY**	Understanding terms, concept, research process (methodology) & Methods related to hypothesis, research design, sampling tools, data collecting and data analysis.
			Analyzing research questions, literature, research situation and data using statistical tools.
			Deciding research objective, hypothesis, sample size & type of data collection and analysis techniques.
			Developing a research plan based on scientific methods & logic.

			Writing a research report and research paper
3.4	MHA	Health Policy and Healthcare Management in India	Applying various principles of planning and management in implementing health projects and programmes.
			Applying health care statistics to support government in implementing their various health care policies
			Understanding the various types and health care systems of India.
			Applying concept of control and prevention at different levels of healthcare.
3.5	MHA	Hospital Planning and Designing	Understanding the classification of hospitals and factors influencing hospital utilization.
			Understand master facility plan of a hospital and developing engineering plans for thinfm.
			Analyzing the working ofdifferent departments of hospitals in order to improve them.
			Analyzing the administration of hospitals and enhance their working.
			Applying the knowledge of hospital management in the hospital operations.
			Understanding the classification of hospitals and factors influencing hospital utilization.
3.6	MHA	Medical Terminology and Procedures	Understanding the fundamentals of medical terminologies.
			Understanding the Medical terminologies to communicate with all medical professionals.
			Understanding common diseases associated with human being
			Developing conceptual Understanding common diseases associated with human being understanding of procedures required for treatment of diseases associated with human beings
			Developing understanding of equipment and machines used for procedures.
			Understanding the fundamentals of

			medical terminologies.
3.7	MHA	Hospital Support Services and Management of Hazards	Understanding the functioning of hospitals.
			Understanding the dietary services and ensuring hygiene and cleanliness in its delivery.
			Developing plans for hazardous and biomedical waste management.
			Assessing the working of hospital during emergency services.
			Implementing and monitoring plans for controlling hospital related infections.
			Understanding the functioning of hospitals.
3.8	MHA	Hospital Inventory Control	Understanding the concepts of logistics management.
			Applying various purchasing methods and inventory controlling techniques into practice and minimize inventory management costs.
			Analyzing recent practices in store management and developing new plans and policies for store management.
			Analyzing the materials in storage, handling, packaging, shipping distributing and standardizing.
			Understanding the concepts of logistics management.
			Applying various purchasing methods and inventory controlling techniques into practice and minimize inventory management costs.
3.9	MHA	Hospital & Health Economics	Understanding the fundamental concepts of health economics.
			Applying the management tools and techniques used to design and manage successful organization.
			Applying the laws of healthcare in maintaining market equilibrium.
			Developing plans for risk, uncertainty and insurance in health care management.
			Developing decision making skills for different healthcare markets.
			Understanding the fundamental

			concepts of health economics.
3.10	MHA	Public Relation Management in Hospital	Understanding the concept of PR in health care.
			Understanding recent trends in Public relations in relation to health careservices.
			Developing new 'PR' programmes.
			Developing strategies and activities to promote hospital management and itsservices.
			Implementing plans for maintaining better media relations.
			Understanding the concept of PR in health care.
3.11	MHA	Hospital Cost Accounting	Understanding the conceptual framework of Cost Accounting in hospitals.
			Understanding the processes in determination of cost of products and services.
			Applying the marginal costing in decision making.
			Applying the concepts of responsibility accounting in a hospital.
			Understanding the conceptual framework of Cost Accounting in hospitals.
3.12	MHA	Hospital Operations Management	Understanding the concept of operations management in hospitals.
			Understanding the role of operations manager in hospitals.
			Applying the techniques and policies of maintenance management for smooth maintenance of hospitals.
			Assessing the operational issues between a customer and supplier.
			Evaluating existing frameworks in the design and delivery of products andservices in hospitals.
3.13	MHA	Accounting for Managers	Understanding Double entry system and GAAP principles.
			Understanding the elements of the financial statements, and the related key accounting assumptions and principles.
			Preparing the journal, ledger, trial balance, cash flow, fund flow

			financial statements, and company's final accounts.
			Applying financial tools to analyze and interpret the financial statements of a company.
			Evaluating the business position through analysis of financial statement.
3.14	**MHA**	**Marketing Management**	Understanding the role and functions of marketing in an organizations.
			Understanding 'marketing' concepts, theories and techniques of marketing.
			Analyzing the dynamic marketing environment & about marketing strategy decisions are taken for overcoming competition.
			Applying various marketing conceptual frameworks, theories and techniques to various marketing contexts.
			Developing a comprehensive marketing plan for an organization and taking operational decisions for marketing plan implementation.
3.15	**MHA**	**Production & operation management**	Understanding the concepts
			Applying concepts and tools of quality management for enhancing customer satisfaction.
			Applying the various techniques of quality management in production process.
			Understanding and applying various models of inventory control in production process.
			Analyzing production requirement and applying various tools and techniques to enhance customer satisfaction.
4.1	**MHA**	**Management of Hospital support and utility services**	Understanding the functioning of hospitals.
			Understanding the dietary services and ensuring hygiene and cleanliness in its delivery.
			Developing plans for hazardous and biomedical waste

			financial statements, and company's final accounts.
			Applying financial tools to analyze and interpret the financial statements of a company.
			Evaluating the business position through analysis of financial statement.
3.14	MHA	Marketing Management	Understanding the role and functions of marketing in an organizations.
			Understanding 'marketing' concepts, theories and techniques of marketing.
			Analyzing the dynamic marketing environment & about marketing strategy decisions are taken for overcoming competition.
			Applying various marketing conceptual frameworks, theories and techniques to various marketing contexts.
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			Applying the various techniques of quality management in production process.
			Understanding and applying various models of inventory control in production process.
			Analyzing production requirement and applying various tools and techniques to enhance customer satisfaction.
4.1	MHA	Management of Hospital support and utility services	Understanding the functioning of hospitals.
			Understanding the dietary services and ensuring hygiene and cleanliness in its delivery.
			Developing plans for hazardous and biomedical waste

			management.
			Assessing the working of hospital during emergency services.
			Implementing and monitoring plans for controlling hospital relatedinfections.
4.2		**Risk and Disaster management**	Understanding the functioning of hospitals.
			Understanding the dietary services and ensuring hygiene and cleanliness in its delivery.
			Developing plans for hazardous and biomedical waste management.
			Assessing the working of hospital during emergency services.
			Implementing and monitoring plans for controlling hospital related infections.
4.3		**Patient Care Services**	Understanding the dimensions of hospital services
			Understanding the administrative structure of a hospital.
			apply learning to manage medical record department.
			Developing the medical audit procedures.
			Assessing and conduction medical audit.
4.4		**Hospital Laws**	Understanding the fundamentals of laws related with Hospital.
			Understanding the Hospital Laws to deal with such situations and circumstances.
			Understanding working of a Hospital according to the Laws governing it.
			Understanding legal problems in relation to health administration.
			Understanding the medical insurance.
			Understanding the liabilities of hospital as well as staff.
4.5	**MHA**	**Healthcare Quality Management**	Understanding the concept, techniques and models of Health CareQuality Management.
			Understanding the fundamentals
			Analyzing the procedures and standards of assessing quality

			healthcare and formulating explicit criteria and standards in health care.
			Applying total quality management concepts to different processes of health care services so as to get the accreditation of bodies like NABH, NABL, JCI, Australian System etc.
			Understanding, analyzing and applying the world wide quality organisation in Healthcare to be updated with the world wide standards.
4.6	**MHA**	**Public Health System and Outreach Programs**	Understanding the basic concepts of human health and disease, research, ethical considerations grounded in the history, philosophy, and practice ofpublic health.
			Applying principles of social justice, through the lens of cultural humility, to achieve and sustain health equity.
			Understanding national health programmes related to communicable diseases.
			Analyzing the effects of multiple levels of policy and health systems on population and individual health outcomes and **employ** strategies toparticipate in the policy practice.
			Understanding the inter section of environmental, social, economic, behavioural, biological and political factors influencing human health and identify opportunities for change to prevent hazards related to them.
4.7	**MHA**	**Health Insurance and Managed Care**	Understanding the concept, origin, evolution, models and importance ofhealth insurance, market failure and risks.
			Analyzing and comparing theories and practices of ethics and professionalism in the healthcare setting.
			Understanding and applying

			contemporary developments in healthcare to assess alternative management solutions in healthcare related problems andchallenges.
			Understanding of healthcare financial management for designing and developing benefit packages for multiple applications.
			Understanding health care origin, growth and policies of managed care system.
4.8	MHA	Hospital Informatics & Systems	Understanding the concept, types, strategic roles of management information systems.
			Analyzing and designing and developing information systems that enhance operational efficiencies and strategic goals of organisation.
			Analysing and understanding the applications of world wide web and making use of it to improve the overall informatics systems of hospitals.
			Analyzing the current information systems and software's for upgrading the existing policies and procedures in hospitals thereby improving theefficiencies..
			Developing the management information systems for better decision making while considering professional and ethical challenges.
4.9	MHA	Management Concepts & Practices	Understanding the role of a manager and its relations to the organization's mission.
			Understanding key 'management' concepts, theories, philosophies, its evolution, basic functions and managerial skills.
			Analyzing the influence of historical management thoughts on the current practice of management.
			Applying various management concepts, theories, philosophies functions for an effective management of business organization.
			Evaluating social responsibility and ethical issues involved in business situations and logically articulate company's position on such issues.
4.10	MHA	Business Environment	Understanding relationship between environment and business; various

			techniques and tools used for environment analysis and forecasting of the domestic and global environment.
			Understanding internal and external environment and Responsibility of business at the domestic and global level.
			Appraising and analyzing the external and internal business environment for better management of an organization.
			Applying the environmental analysis techniques to understand and adapt to business dynamics.
			Applying and implementing the concepts of Social Responsibility in an organization.

MPH (Master in Public Health)

Course Name: Master in Public Health

Course Duration : 2 Years

Annual Intake : 10

Eligibility : Completed Graduation from any recognized University with minimum 50% marks in case of candidates belonging to SC/ ST must have obtained 45% instead 50%.

May I help you?

Admission Process : Admission is made only in 1st year and is made once in a year. The candidate, who fulfils the eligibility criteria shall get registered. The candidate is required to appear in written test on notified date. The merit list shall be prepared based on test and the admission list will be notified.

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B.I.U.

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Read more (history.php)

Google Map



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MPH (Master in Public Health)

Program Outcomes

After completion of the course, the Master of Public Health graduates will be able to:

- Discuss the public health conceptual foundations.
- Identify current public health challenges in global, indigenous Indian and non-Indigenous Indian communities.
- Describe the ways in which biology, the environment, indigenous status, society and culture interact and determine health.
- Identify the key population based public health strategies.
- Explain the principles of indigenous and non-Indigenous people's culture in public health practice.
- Comprehend the requirements in engaging respectfully with people from diverse backgrounds.

Program Objectives

- Offer a curriculum that supports the development of core and cross-cutting competencies for public health.
- Allow for elective courses to enhance and expand the learning experiences in relation to student interests in public health.
- Provide students with opportunities for integration and practical application of the learned competencies through a field experience, project, and other educational, research and service activities.
- Endorse cultural competence and promote diversity of thought, culture, gender and ethnicity.

Program Specific Outcome

The students will acquire the necessary skills to work as Epidemiologists, Public Health Consultants, Public Health Administrator, Public Health Researcher, and NGO manager at local, national and international level. They can also contribute to the process of policy making by disseminating their research findings to policy makers.

Skill Development

After completion of the course, the Master of Public Health graduates will be able to:

- Apply theories of leadership and management in public health practice.
- Demonstrate a capacity to work collaboratively within an inter-disciplinary team.
- Analyze, appraise and synthesize public health research evidence to inform public health decision making
- Critically reflect on the influences on decision making in public health practice, including personal attitudes and beliefs.

- Plan, implement, monitor and evaluate a public health program.
- Assess the health needs of a community in the context of the determinants of health and apply the findings to the development of public health strategies.
- Use tools and techniques for planning and managing a public health project.
- Communicate public health evidence for advocacy, and engagement using diverse media.

Application of Knowledge and Skills

After completion of the course, the Master of Public Health graduates will be able to:

- Design and manage a detailed investigation of a public health issue in a substantial project, with a high level of personal autonomy and accountability;
- Apply a comprehensive knowledge of a public health specialization or area to develop solutions to complex public health problems.
- Reflect on individual performance or processes undertaken in the management of a substantial public health project.

Course Outcomes

Sr. No.	Name of Programme	Name of the Course	Course Outcomes
1.1	MPH (Master in Public Health)	Principles and Praetices of Public Health	After the completion of the course, the students will be able to: • Analyze and implement principles of public health to practice and its impact on population health, equalities and quality of healthcare. • Critically evaluate the concept of empowerment, and understand the value of public involvement. • Critically analyze the concepts of health, health education and public health.
1.2		Introduction to Health System and Policy	After the completion of the course, the students will be able to: • Understand the policy process and policy environment within and outside the countries. • Appreciate the influence of health determinants. • Understand the framework of health policy formulation. • Learn major types of health policies, and discuss the importance of studying health policy.
1.3		Principles and Practices in Health Management	After the completion of the course, the students will be able to: • Understand the administration, oversight of health systems, public health systems and entire hospitals and other medical facilities. • Learn ethical principles and principles of

			priorities. • Know the management tools and techniques used to design and manage successful organizations.
1.4		Basic Epidemiology	After the completion of the course, the students will be able to: • Understand the determinants of disease and causes which influence disease occurrence. • Demonstrate an understanding of routine sources of data used in descriptive epidemiology, and appreciate their strengths and limitations accordingly. • Recognize potential threats to correctly interpreting results from epidemiological studies, and identify those most relevant to each study design.
1.5		Socio-behavioral Science and Communication in Health Care	After the completion of the course, the students will be able to: • Understand the details of the information on how interventions in public health can be used to improve health behavior in the population. • Critically respond to multiple points of view on cultural issues as expressed in different historical, social, and cultural contexts. • Learn critical thinking and reasoning skills, such as- making inferences, evaluating assumptions, and assessing limitations of knowledge claims.
1.6		Field Training with PSM- I (Practical)	After the completion of it, especially in the area of health care services, the students will be able to: • Define structure and functions of different health related institutions. • Understand the health care delivery system in urban and rural areas. • Understand the principles of primary health care and role of Primary Health Center (PHC) in delivering primary health care. • Get acquainted with the functions of RHTC/UHTC, staffing pattern and roles and responsibilities of each staff. • They get knowledge about all departments in RHTC/UHTC. • They get knowledge about work flow of the patient. • Proficiency in diagnosis and treatment of common illness. • Acquire skill of carrying out basic laboratory

			tests of common diseases in RHTC/UHTC. • Get oriented about implementation of various national health programs/services. • Apply the knowledge and skill attained during course work to practical health-related settings and issues. • Observe staff behavior towards the patient. • Identify the communicable and non-communicable disease spread in area. • Maintain own record of the patient. • Develop skills in diagnosis, treatment and prevention of common illness prevailing in the community.
2.1		Health Economics	After the completion of the course, the students will be able to: • Learn information on efficient use of available resources for maximum health Benefits. • Understand analytical reasoning and tools of health economics and their normative foundations and ethical implications • Learn health-related behavioral determinants and overview of some recent policies aimed at improving the populations' lifestyles.
2.2		Health Promotion Approaches and Methods	After the completion of the course, the students will be able to: • Understand political and ethical issues relating to health education, health promotion, and public health. • Engage the individuals and communities as well as empower them to choose healthy behavior. • Learn critical understanding, knowledge and ability to conduct a health needs assessment in developing evidence-based health promotion and / or public health.
2.3		Financial Management and Budgeting	After the completion of the course, the students will be able to: • Develop understanding on proper management of resources in health organizations to improve patient care and minimize risk. • Analyze financial opportunities and threats. • Identify the forces behind the demand for and supply of financial assets. • Identify the relationship between risk and

			return, and methods used, to evaluate and measure the relationship.
2.4		Basic Biostatistics	After the completion of the course, the students will be able to: • Understand the traditional techniques of statistics applied to subject of public health. • Understand and interpret commonly reported statistical measures published in healthcare research. • Analyze the different type of data using appropriate statistical software. • Demonstrate a good understanding of descriptive statistics and graphical tools.
2.5		Demography	After the completion of the course, the students will be able to: • Understand the size, structure and movement of population over time and its relation to health. • Differentiate between contrasting positions over reproductive health. • Discuss the relationship, between population and economic welfare. • Identify the effects of aging and overpopulation.
2.6		Field Training with PSM- II (Practical)	After the completion of it, especially in the area of field epidemiology, the students will be able to: • Make community diagnosis in general and during epidemics in particular, with effective use of tools of epidemiology, and draw prevention and control plan. • Learn and measure various epidemiological parameters and interpret them. • Conduct epidemiological investigation and present situational analysis of communicable, non-communicable, nutritional and other diseases of public health importance and suggest appropriate solutions. • Able to independently conduct survey and utilize its findings towards arriving at a community diagnosis. • Understand about various determinants of community health viz. socio-economic, cultural-behavioral, psychological and physical environment, and develop social angle for occurrence, transmission and treatment-prevention of the diseases. • Know about the utilization of national health

			programs/services through direct interaction with beneficiaries; e.g. applied aspect of nutritional care of mother and child, health or other problems of school going children etc. • Survey and educate the community and fill the logbooks of reproductive, sexual health and family welfare; maternal and child health; adolescent health; geriatric health; mental health; prevention and control of locally endemic diseases (including non-communicable); water, hygiene and sanitation (WASH); health education and behavior change communication; maternal health (ANC /PNC); Immunization (child + adult); family wellness (reproductive, sexual health and family welfare).
2.7		Summer Internship (Practical)	After the completion of it, the students will be able to: • Learn how to develop leadership skill and ability to effectively interact with public health professionals, leaders and community members from diverse communities. • Assist in identifying and analyzing public health problems. • Have a firsthand experience in the nature of public health work in their area of training. • Recognize and describe issues of cultural diversity in public health, including health disparities, risk factors and social determinants of health. • Learn the art of interaction with public health professionals and becoming knowledgeable about the skills and responsibilities. • Demonstrate firsthand knowledge of community agencies, organization or other workplace in which public health interventions and/or health risk assessments are carried out, including their mission, organizational structure, primary methods used to prevent illness and injury any specific population targeted and their unique health risk.

3.1		Reproductive, Maternal Health, Child Health and Adolescent	After the completion of the course, the students will be able to: • Understand measures taken to improve maternal and child health and to strengthen families and communities. • Develop comprehensive knowledge on reproductive health, sexual health and the factors associated with sexual and reproductive health. • Learn gender and socio-economic status/ poverty impact upon sexual reproductive and child health. • Demonstrate understanding of theoretical perspectives of child and adolescent development.
3.2		Introduction to Health Programs and evaluation	After the completion of the course, the students will be able to: • Understand how comprehensive health programs are used to achieve the health of the population. • Apply the principles of project implementation, including planning, assessment, and evaluation in organizational and community initiatives. • Identify the socio-economic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities.
3.3		Principles of Social Research Methods	After the completion of the course, the students will be able to: • Demonstrate the ability to choose methods appropriate to the aims and objectives research. • Understand the limitations of particular research methods. • Develop skills in qualitative and quantitative data analysis and presentation. • Develop the skills advanced critical thinking.
3.4		Environment and Occupational Health	After the completion of the course, the students will be able to: • Understand how physical, social and work environment has a bearing on health of the individuals and population. • Recognize the basic principles of toxicology as applied to chemical contaminants in humans and animals. • Describe the principles of industrial hygiene integrated air sampling for collection of chemical particulates, gases and vapors.
3.5		Law and Ethics in Public	After the completion of the course, the students

		Health	will be able to: • Understand the best legal practices available for the benefits of the patients. • Discuss and critique principles of legal reasoning and their relevance in areas of health law and population health. • Learn the features of legal system and their influence on the healthcare practices.
3.6		Field Training with PSM- III (Practical)	After the completion of it, especially in the area of health system and management, the students will be able to: • Monitor and assure quality in health program implementation. • Critically review the records, registers and reports for correctness and timeliness. • Get oriented about different registers and record system used at PHC/UHC. • Develop skills to compile, analyze and make meaningful interpretations on the health status of the community based on records/registers and other health related data (HMIS). • Develop organizational and communication skills for health education, social behavioral change communication as well as to extract vital information from families. • Develop skills in managerial dimensions– supportive supervision, monitoring and evaluation, management of human resource, logistics and finance, to be used in RHTC/UHTC. • Identify health problems of the community in context of the socio-cultural milieu. • Identify specific groups, which require special attention in the community.
	Elective Subjects		
4.A		**Epidemiology**	It helps the students to understand the distribution of diseases with more advanced applications.
4.1		Advanced Bio-statistics	After the completion of the course, the students will be able to: • Compare and analyze prior and posterior expectations of the process under the investigation. • Perform the analysis of variance. • Make the non-trivial regression for the experimental data. • Apply the randomization to simulate the

			biological process together with randomization-based analysis.
4.2		Advanced Epidemiology	After the completion of the course, the students will be able to: • Critically understand how quantitative methods can be used to apply effective measures to target populations, as well as the assumptions required for such approaches. • Critique and design epidemiological research informed by an understanding of counterfactual thinking and causal diagrams, including a critical understanding of the limits of these approaches. • Understand major methodological issues in natural experimental studies, administrative data analyses and life-course epidemiology and relate these to major theories across the wider fields.
4.3		Survey Design and Methods	After the completion of the course, the students will be able to: • Distinguish between survey as a research design and questionnaires used to measure concepts. • Identify the strengths and weaknesses of surveys. • Describe the considerations involved in constructing a well-designed questionnaire.
4.4		Communicable Disease Epidemiology	After the completion of the course, the students will be able to: • Demonstrate an understanding of the interaction between agent, host and environment and the factors impacting the ability to control infectious diseases. • Demonstrate knowledge of methods and principles of infectious disease surveillance and capacity to evaluate surveillance systems. • Apply epidemiological principles and methods to the investigation, management and control of infectious diseases.
4.5		NCD Epidemiology	After the completion of the course, the students will be able to: • Explain the translation of epidemiological evidence into strategies for the prevention and control of NCD across different income settings. • Discuss the application of advanced epidemiological techniques and emerging technologies to identify and evaluate traditional and novel risk factors for NCD.

			• Appraise current understanding of risk factors for NCD, including an evaluation of key knowledge gaps.
4.B		**Health Program, Policy & Planning**	It helps the students to understand health program, policy and planning.
4.1		Health Policy, Process and Planning	After the completion of the course, the students will be able to: • Understand the policy process and policy environment within and outside the countries. • Appreciate the influence of health determinants and understand the framework of health policy formulation. • Describe the major types of health policies, and discuss the importance of studying health policy.
4.2		Programme Planning and Evaluation of Public Health Programmes (including current NHPs)	After the completion of the course, the students will be able to: • Learn how comprehensive health programs are used to achieve the health of the population. • Apply the principles of project implementation, including planning, assessment, and evaluation in organizational and community initiatives. • Identify the socio-economic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities.
4.3		Translating Research into Policy and Health Advocacy	After the completion of the course, the students will be able to: • Learn about the process of evaluating the real-world outcomes of health research. • Understand important terminology and concepts as you explore how the outcomes of health research can influence health policy and practice. • Learn how to conduct or plan a career in translational research. • Know communication skills for advocacy, dissemination and evaluation of public health data and information.
4.4		Current Issues in Health Policy: National and Global Perspective	After the completion of the course, the students will be able to: • Understand analytical and assessment skills for collecting and interpreting information regarding current issues in health policy. • Understand financial planning and management skills for running public health programs in the country and outside the country.

			will be able to: • Demonstrate understanding of theoretical perspectives of maternal, newborn and child health. • Identify developmental histories and family lifestyles to determine their impact on mother, newborn and child in families. • Apply research to the understanding of maternal, newborn and child health learning and behavioral challenges of mother, newborn and child.
4.3		Adolescent Health	After the completion of the course, the students will be able to: • Demonstrate understanding of theoretical perspectives of child and adolescent development. • Identify developmental histories and family lifestyles to determine their impact on the functioning of children and adolescents in families. • Synthesize understanding or diversity, multiculturalism and cultural differences as they relate to the development of children and adolescents in families.
4.4		Gender and Health	After the completion of the course, the students will be able to: • Apply the theories of gender to health problems and understand the social construction of sex/gender. • Apply the theories of gender to health promotion and public and social policy. • Use a historical perspective to understand the ways that gender and health are inter-connected.
4.5		Public Health Nutrition	After the completion of the course, the students will be able to: • Apply critical reading skills to enhance their ability to effectively communicate and translate nutrition information to the public, in the workplace, and in the media. • Complete a unique practicum experience to apply knowledge and skills obtained in the course to create a project that has real-world application. • Understand a variety of concepts prevalent in the field of public health nutrition tailored to help in achieving their career goals.
4.6		**Dissertation**	Upon successful completion, students will have the knowledge and skills to: • Plan, and engage in, an independent and

			organization. • Identify and evaluate the exposure of a company to financial risk and the techniques required to manage this risk. • Analyze the key strategic financial issues that must be considered in an acquisition or merger, including valuation of the target company.
4.4		Organizational Management and Services	After the completion of the course, the students will be able to: • Understand how to communicate clearly and effectively to an intended audience using strategies and methods appropriate to health sector expectations. • Learn why organizational management and services are required, and how the people get benefits from such services. • Analyze an organization's performance and make appropriate recommendations.
4.5		Effective Advocacy and Communication in Public Health	After the completion of the course, the students will be able to: • Understand the scope and importance of communication and produce different types of reports with appropriate format, organization and language. • Enhance their oral and written communication skills and use different forms of written communication techniques to make effective internal and external correspondence in public health. • Use of technology for improving the communication process.
4.D		**RMNCH+A**	It helps the students to learn the fundamentals of reproductive health and nutrition for mother and child.
4.1		Reproductive and Sexual Health	After the completion of the course, the students will be able to: • Develop comprehensive knowledge on reproductive health, sexual health and the factors associated with sexual and reproductive health. • Learn the impact of gender and socio-economic status/poverty upon sexual reproductive and child health. • Develop competence to plan, design, implement and manage successfully public health programs, specifically focusing sexual and reproductive health of men, women and adolescents.
4.2		Maternal, Newborn and Child Health	After the completion of the course, the students

			• Learn policy, planning and development skills to address public health challenges at international level.
4.5		Role of Non-Government Organizations in Health Care	After the completion of the course, the students will be able to: • Understand how NGOs can assist national policy formation in the areas of health care and integrated human development. • Address the issues of effectiveness and quality of NGOs' activity. • Learn the mechanisms to assess quality and efficiency, such as registration, as a part of a legal system, self-regulatory activities (card rules, codes of ethics), certification, participation in networks, monitoring and audit.
4.C		**Health System Management**	It provides the students leadership and direction for the organizations that deliver health services in a detailed manner.
4.1		Strategic Management in Health Care and Health Entrepreneurship	After the completion of the course, the students will be able to: • Understand how to prepare for the challenges faced by the organization with the learning of the environment and the internal factors that regulatethe organization. • Understand the mechanism of various resources in the organization and how to improve the resource allocation towards the necessary activities • Identify various critical components for better programming of the services in the organizations.
4.2		Advanced Operational Research	After the completion of the course, the students will be able to: • Learn the skills to build their own formulations, to expand existing formulations, to critically evaluate the impact of model assumptions and to choose an appropriate solution technique for a given formulation. • Know why organizational research is undertaken, and the audiences that profit from research studies. • Identify the overall process of designing a research study from its inception to its report.
4.3		Advanced Financial Management and Budgeting	After the completion of the course, the students will be able to: • Critically evaluate the impact of financial decisions on the strategic direction of the

			sustained critical investigation and evaluation of a chosen research topic relevant to public health and society. • Systematically identify relevant theory and concepts, relate these to appropriate methodologies and evidence, apply appropriate techniques and draw appropriate conclusions. • Engage in systematic discovery and critical review of appropriate and relevant information sources. • Appropriately apply qualitative and/or quantitative evaluation processes to original data. • Understand and apply ethical standards of conduct in the collection and evaluation of data and other resources. • Communicate research concepts and contexts clearly and effectively both in writing and orally.

BIU COLLEGE OF MANAGEMENT
BAREILLY INTERNATIONAL UNIVERSITY

Program Name : BBA (F. & T.)

Program Outcomes (POs)

PO1. Upon the completion of the BBA (Finance & Taxation) program, the individual must demonstrate maturity, professionalism and team working skills.

PO2. Upon the completion of the BBA (Finance & Taxation) program, the students will have general idea of operations in business, finance and taxation.

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Program Specific Objectives (PSOs)

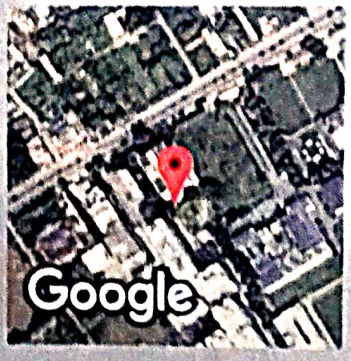
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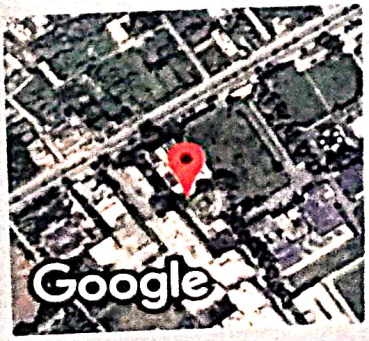
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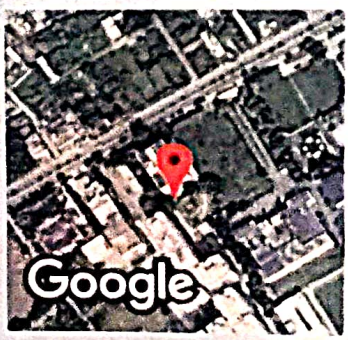
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BIU COLLEGE OF MANAGEMENT
BAREILLY INTERNATIONAL UNIVERSITY

Program Name : B.Com (Hons.)

Program Outcomes (POs)

PO1 The curriculum planning of B.Com. (Hons.) Course provides the students thorough and inclusive knowledge of the areas related to finance, human resource management, marketing, international business, corporate and business laws, accounting and taxation etc.

PO2 The graduates of this programme will be trained to develop skills and attitudes needed for critical thinking and adopting a comprehensive problem-solving approach. They shall be exposed to the pedagogy that helps them understand real life situations through case-studies.

PO3 The teaching learning pedagogies used in the programme make the students capable enough to deliver and communicate information effectively with a mark.

PO4 The courses aim at instituting entrepreneurial skills in the students by instilling in them competencies needed to become an entrepreneur. These would lead to develop an attitude of life-long learning.

PO5 The courses also involve training the students to check unethical behaviour, falsification and manipulation of information in order to avoid debacles which can be seen rising persistently over the period of time. It would also help in making responsible citizens and facilitate character building.

PO6 This programme enables the students to be technologically updated as it has courses like computerized accounting system, computer applications etc. which not only make them work using software but also makes them independent enough in this world of digitization.

PO7 The courses of this programme give a global perspective to the students so that they will be able to integrate national values and beliefs with international culture and competence.

PO8 This programme enables the students to think of a given problem or situation from different perspectives like economic, financial, social, national, global etc. and broadens the horizon of their thought processes. It not only helps the students add dimensions to its decision making but also in reaching to inclusive conclusions.

Program Specific Objectives (PSOs)

The programme also aims to develop the following abilities:

PSO1 Ability to effectively communicate both orally and verbally.

PSO2 Appreciate importance of working independently and in a team.

PSO3 Have exposure of complex commerce problems and find their solution.

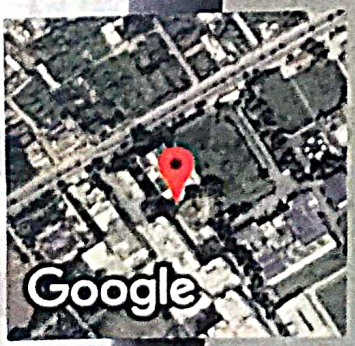
PSO4 Process information by effective use of IT tools.

PSO5 Understand required mathematical, analytical and statistical tools for financial and accounting analysis.

PSO6 Develop an understanding of various commerce functions such as Finance, Accounting, HRM, Marketing, Financial analysis, project evaluation, cost accounting, taxation etc.

PSO7 Develop self-confidence and awareness of general issues prevailing in the society.

PSO8 B.Com (Hons.) Programme aims to equip students with the knowledge, skills and attitude to meet the challenges of the modern-day business organizations.



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Program Specific Objectives (PSOs)

The programme also aims to develop the following abilities:

PSO1 Ability to effectively communicate both orally and verbally.

PSO2 Appreciate importance of working independently and in a team.

PSO3 Have exposure of complex commerce problems and find their solution.

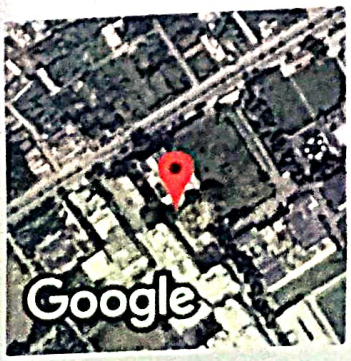
PSO4 Process information by effective use of IT tools.

PSO5 Understand required mathematical, analytical and statistical tools for financial and accounting analysis.

PSO6 Develop an understanding of various commerce functions such as Finance, Accounting, HRM, Marketing, Financial analysis, project evaluation, cost accounting, taxation etc.

PSO7 Develop self-confidence and awareness of general issues prevailing in the society.

PSO8 B.Com (Hons.) Programme aims to equip students with the knowledge, skills and attitude to meet the challenges of the modern-day business organizations.



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BIU COLLEGE OF MANAGEMENT
BAREILLY INTERNATIONAL UNIVERSITY

Program Name : B.Com (Hons.)

Program Outcomes (POs)

PO1 The curriculum planning of B.Com. (Hons.) Course provides the students thorough and inclusive knowledge of the areas related to finance, human resource management, marketing, international business, corporate and business laws, accounting and taxation etc.

PO2 The graduates of this programme will be trained to develop skills and attitudes needed for critical thinking and adopting a comprehensive problem-solving approach. They shall be exposed to the pedagogy that helps them understand real life situations through case-studies.

PO3 The teaching learning pedagogies used in the programme make the students capable enough to deliver and communicate information effectively with a mark.

PO4 The courses aim at instituting entrepreneurial skills in the students by instilling in them competencies needed to become an entrepreneur. These would lead to develop an attitude of life-long learning.

PO5 The courses also involve training the students to check unethical behaviour, falsification and manipulation of information in order to avoid debacles which can be seen rising persistently over the period of time. It would also help in making responsible citizens and facilitate character building.

PO6 This programme enables the students to be technologically updated as it has courses like computerized accounting system, computer applications etc. which not only make them work using software but also makes them independent enough in this world of digitization.

PO7 The courses of this programme give a global perspective to the students so that they will be able to integrate national values and beliefs with international culture and competence.

PO8 This programme enables the students to think of a given problem or situation from different perspectives like economic, financial, social, national, global etc. and broadens the horizon of their thought processes. It not only helps the students add dimensions to its decision making but also in reaching to inclusive conclusions.

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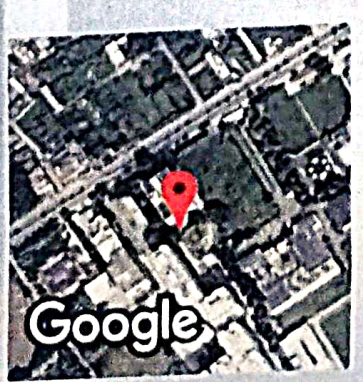
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BIU COLLEGE OF MANAGEMENT
BAREILLY INTERNATIONAL UNIVERSITY

Program Name : BCA (IT & Multi.)

Program Outcomes (POs)

PO 1: Apply mathematics and computing fundamental and domain concepts to find out the solution of defined problems and requirements. (Computational Knowledge)

PO 2: Use fundamental principle of Mathematics and Computing to identify, formulate research literature for solving complex problems, reaching appropriate solutions. (Problem Analysis)

PO 3: Understand to design, analyze and develop solutions and evaluate system components or processes to meet specific need for local, regional and global public health, societal, cultural, and environmental systems. (Design/Development of Solutions)

PO 4: Use expertise research-based knowledge and methods including skills for analysis and development of information to reach valid conclusions. (Conduct Investigations of Complex Computing Problems)

PO 5: Use expertise research-based knowledge and methods including skills for analysis and development of information to reach valid conclusions. (Conduct Investigations of Complex Computing Problems)

PO 6: Exhibiting ethics for regulations, responsibilities and norms in professional computing practices. (Professional Ethics)

PO 7: Enlighten knowledge to enhance understanding and building research, [illegible] independent learning for continual development as computer applications professional. (Lifelong Learning)

PO 8: Establishing strategies in developing and implementing ideas in multi- disciplinary environments using computing and management skills as a member or leader in a team. (Project Management and Finance)

PO 9: Contribute to progressive community and society in comprehending computing activities by writing effective reports, designing documentation, making effective presentation, and understand instructions. (Communication Efficacy)

PO 10: Gain confidence for self and continuous learning to improve knowledge and competence as a member or leader of a team. (Individual and Teamwork)

PO 11: Gain confidence for self and continuous learning to improve knowledge and competence as a member or leader of a team. (Individual and Teamwork)

Program Specific Objectives (PSOs)

PSO1: Students will able to understand, analyze and develop computer programs in the areas related to algorithm, web design and networking for efficient design of computer based system.

PSO2: Apply standard software engineering practices and strategies in software project development using open source programming environment to deliver a quality of product for business success.

PSO3: Student will able to know various issues, latest trends in technology development and thereby innovate new ideas and solutions to existing problems.

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BIU COLLEGE OF MANAGEMENT
BAREILLY INTERNATIONAL UNIVERSITY

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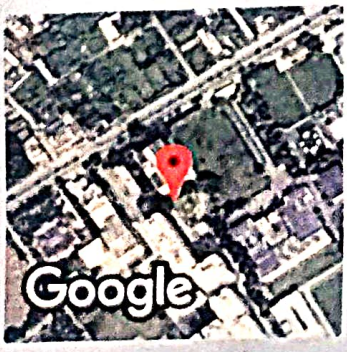
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BIU COLLEGE OF MANAGEMENT
BAREILLY INTERNATIONAL UNIVERSITY

Program Name : BCA (IT & Multi.)

Program Outcomes (POs)

PO 1: Apply mathematics and computing fundamental and domain concepts to find out the solution of defined problems and requirements. (Computational Knowledge)

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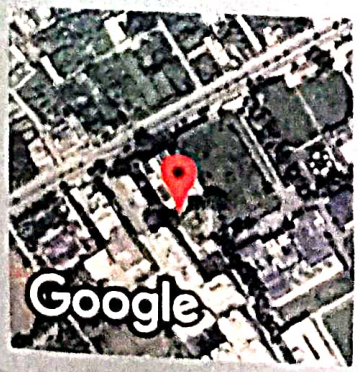
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Quality Manual Outcome Based Education

BIU COLLEGE OF MANAGEMENT BAREILLY	**BIU COLLEGE OF MANAGEMENT**	**OBE MANUAL**

CONTENT

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PREFACE

Outcome Based Education is a student-centric instruction model that focuses on measuring student performance through outcomes. Outcomes include knowledge, skills and attitudes. Its focus remains on evaluation of outcomes of the program by stating the knowledge, skill and behavior a graduate is expected to attain upon completion of a programme. OBE is a performance-based approach, offers a powerful and appealing way of reforming and managing education. The emphasis is on the product, what sort of graduates would be produced, rather than on the educational process. In OBE, the educational outcomes are clearly and definitely specified. It determines the curriculum content and its organization, courses offered, teaching methods and strategies and the assessment processes.

Outcome based education should have a broader perspective of grooming students as good citizens and strengthening democracy. And, this would come only with the cooperation of all teachers when they played an active role. OBE is moving from teacher centric learning tolearnercentriclearning.Theteacherandlearnerbothneedtobeengaged.The teacher has to be an active agency of teaching, which has to deeply engage the learner by allowing space for questions, arguments and making the teaching - learning process lively. Our college graduate should have the combination of different kinds of knowledge, skills and attitudes.

PREFACE

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1. COLLEGEVISION

To instill Character in the minds of the students by providing value Based Education to manifest the perfection already in them and to enable them to excel by providing Quality Higher Education and Research opportunities on par with International Standards.

2. COLLEGEMISSION

To provide Quality Education, Training and Research facilities to the students of our nation and the world. To inculcate ethical, moral and social values in the minds of educators and students and also to motivate and nurtureco-operation, tolerance and mutual respectinour nation of diversity.

3. OBE PROCESS AND FRAMEWORK

There are four levels of outcomes are considered in OBE Processes such as Course Outcomes (CO), Program Outcomes (PO), Program Specific Outcomes (PSO) and Program Educational Objectives (PEO).

PROGRAMME EDUCATIONAL OBJECTIVES(PEOs)

PEO refers to specific goals consistent with the institutions mission and vision that are responsive to the expressed interest of programmes take holders, in particular the requirements of professional bodies. PEOs describe the expected achievements of graduates in their career and professional life a few years after graduation.

PROGRAMME OUTCOMES(POs)

PO refers to the statements that describe what students are expected to know and be able to perform or attain by the time of graduation. These relate to the skills, knowledge, and behavior that students acquire through the programe. It is vital for lecturers and students to visualize the relevance of POs in achieving the overarching PEOs of their programme.

PROGRAM SPECIFIC OUTCOMES(PSOs)

Program Specific Outcomes are the statements that assert what the grandaunts of a specific programme should do what they can able to do.

COURSE OUT COMES(COs)

Course Outcome is a statement that describes what students are expected to know and be able to perform or attain upon completion of a course. Each CO contributes to the achievement of PO via curriculum design, course delivery and assessment tasks that are most appropriate to attain that CO.

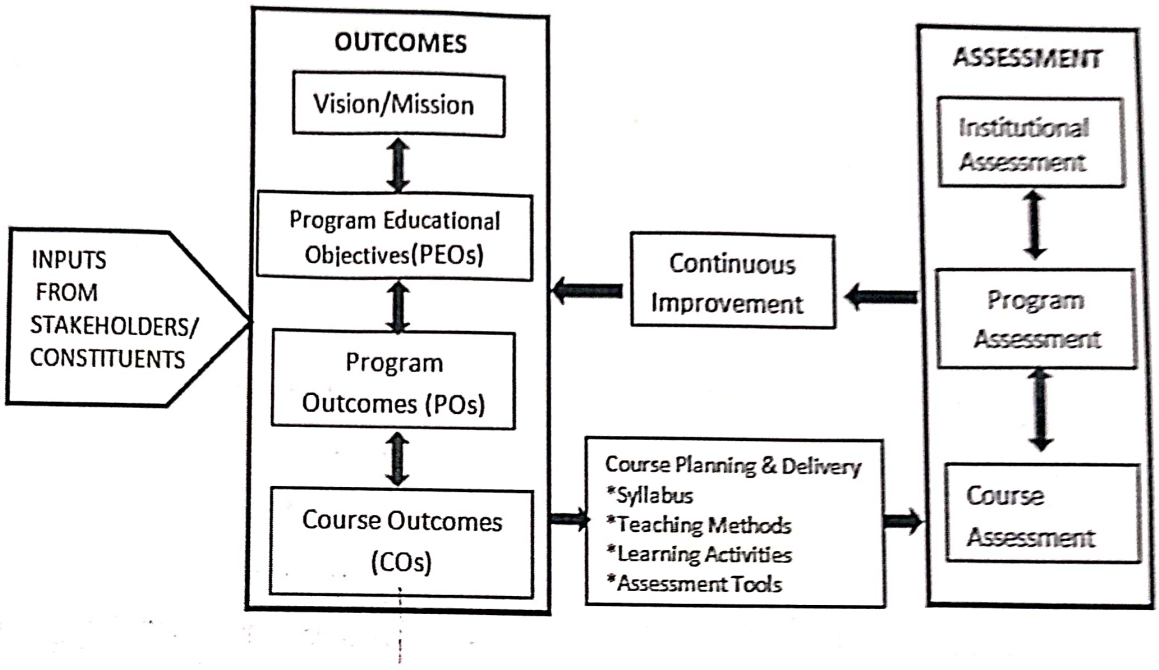


Figure1: OBE Framework

OBE ADDRESSES THE FOLLOWING

- What the students should be able to do?–**OBE(Education)**
- How to align out comes with the syllabus?–**OBC(Curriculum)**
- How to make the students to achieve the outcomes?–**OBLT(Learning and Teaching)**
- How to measure the students' success?–**OBA(Assessment)**

OUTCOMEBASEDCURRICULUM

Outcome-based education approaches the curriculum decision making based on the competencies students should demonstrate at the end of their educational program, thus the outcomes or competencies dictate the curriculum content and organization, the teaching methods and strategies, the course offered, the educational environment and the assessment strategies. All curriculum and teaching decisions are made based on how best to facilitate the desired final outcome.

Steps for planning and implementing outcome based curriculum:

1. **Deciding on the outcomes:**

   The educational outcomes are clearly identified and unambiguously specified regarding the content, context and competence.

2. **Demonstrating outcomes:**

   The expected outcome should be defined by setting benchmarks for each level of the program. Each benchmark is a skill that must be demonstrated by the student. Benchmarks should tackle and define specifically the goals of the curriculum and verify ways to assess whether students have reached these goals at that level of study.

3. **Deciding on contents and teaching strategies:**

   OBE can be implemented as a whole class models which aim to bring all learners in a classroom up to high levels of learning before proceeding further or by the Flexible models which use flexible grouping, continuous progress, technological approaches and instructional management.

4. **Assessments in OBE:**

OBE is driven by assessments that focus on well-defined learning outcomes and not by other factors such as what is taught, the duration taken by the 10 students to achieve the outcomes or which path the students take to achieve their targets.

The outcome-based curriculum is based on following levels,

1. **Institution Level**
   - Vision and Mission of the Institution and Department
   - Framework of curriculum
2. **Programme Level**
   - PEOs ,POs, PSOs
3. **Course Level**
   - Course Design(COs)
   - Content Delivery (Theory, Practical, Project, Assignment, Tutorial etc....)

OUTCOME BASED LEARNING AND TEACHING

Outcome-based Teaching and Learning(OBTL) is a student-centered education approach where the programmes intended learning outcomes are explicitly defined for students to achieve. Teaching and learning activities are then carefully designed to facilitate students to achieve these outcomes. The success of OBTL is based on evidences from the assessment results and student learning experience. Periodic reviews of these evidences will lead to continuous improvement of programme quality.

The Outcome based Teaching and learning approach focuses on:

- The alignment of the desired graduate attributes, programme intended learning outcomes and module intended learning outcomes.
- The development of teaching and learning activities in enhancing student learning experiences.
- The design of assessment processes to monitor students' learning progress and the achievement of the desired outcomes and attributes.

- The collection of stake holders' feedback for continuous

improvement. Delivery of an Outcome Based Curriculum to the students by providing the,

- Syllabus
- Course Plan
- Lecture Notes
- Learning Styles

OUTCOME BASED ASSESSMENT

Assessmentisoneormoreprocesseswhichiscarriedoutbytheinstitution,thatidentify,collect and prepare data to evaluate the achievement of course outcomes and program outcomes.

Attainment is the action of achieving a standard result towards accomplishment of desired goals. Primarily attainment is the standard of academic attainment as observed by test and examination result.

Two types of CO assessment methods are employed in Outcome Based Assessment,

1. Direct Assessment

2. Indirect Assessment

The direct methods **(Mark based Assessments)** display the student's knowledge and skills from their performance in the continuous internal assessment tests, semester examinations and supporting activities such as seminars, assignments, case study, group discussion, online quiz, mini project etc., These methods provide a sampling of what students know and can do and provide strong evidence of student learning.

The indirect method **(Survey based Assessments)** done through surveys and interviews, it asksthestakeholderstoreflecttheirviewsonstudent'slearning.Theinstituteassessesopinions or thoughts about graduate's knowledge or skills by different stakeholders

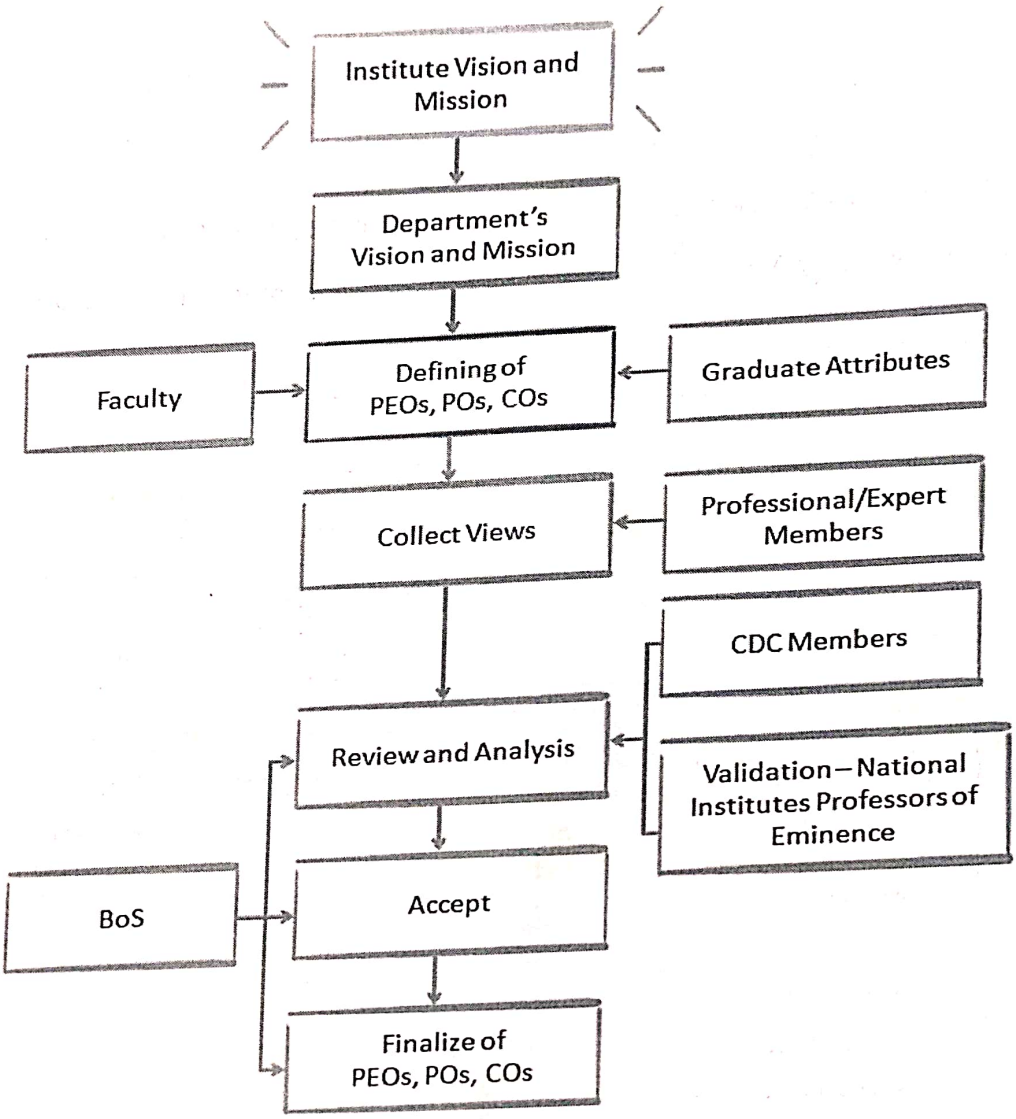
4. GRADUATEATTRIBUTES (GAs)

On the successful completion of the programme, the following are the Graduate Attributes.

1. **Domain Knowledge:** Apply the knowledge in the relevant areas of arts, science and Management fields.
2. **Problem Analysis:** Identify and analyze the complex problems using the knowledge acquired in various domains.
3. **Design/Development of solutions:** Define solutions for complex problems with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Develop competency to carry out the research with their ability to design and execute the experiment.
5. **Society and ethics:** Apply contextual knowledge for societal welfare and commit to professional ethics.
6. **Environment and sustainability:** Understand the Environmental factors and focus towards sustainable development.
7. **Project management and team work:** Demonstrate knowledge and understanding the principles of Project management in various domains to lead effectively and work a steam
8. **Communication:** Demonstrate the effective communication skills for interaction with personnel as well as presentation in appropriate forums.
9. **Inculcate innovative thinking:** To identify the sources of business opportunity and develop entrepreneurial skills for entrepreneurship development.
10. **Lifelong learning:** Recognize the needs to engage in lifelong learning with moral values.

5. PROCESS TO DEPICTPEOs, Pos AND Cos OF THE DEPARTMENT

The process steps followed for establishing the Vision, Mission, PEOs, Pos and Cos for programmes are illustrated in the flow chart



6. BLOOM'S KNOWLEDGE LEVELS & ACTION VERBS

Action Verbs to be used for different knowledge level while framing the question paper

Knowledge level		Action Verbs
K1	Remembering	Choose • Define • Find • How • Label • List • Match • Name • Omit • Recall • Relate • Select • Show • Tell • What • When • Where • Which • Who • Why
K2	Understanding	Classify • Compare • Contrast • Demonstrate • Explain • Extend • Illustrate • Infer • Interpret • Outline • Relate • Rephrase • Show • Summarize • Translate • Journalize
K3	Applying	Apply • Build • Choose • Construct • Develop • Experiment with • Identify • Make use of • Model • Organize • Plan • Select • Solve • Utilize • Prepare
K4	Analyzing	Analyze •Assume • Categorize • Classify • Compare • Conclusion • Contrast • Discover • Dissect • Distinguish • Divide •Examine • Function • Inference • Inspect • List • Motive • Relationships • Simplify • Survey • Take partin • Test for • Theme • Journalize
K5	Evaluating	Agree • Appraise • Assess • Award • Choose • Compare • Conclude • Criteria • Criticize • Decide • Deduct • Defend • Determine • Disprove • Estimate • Evaluate • Explain •Importance • Influence • Interpret • Judge • Justify •Mark • Measure • Opinion • Perceive • Prioritize • Prove • Rate • Recommend • Rule on • Select • Support • Solve •Value •Journalize • Prepare • Solve
K6	Creating	Adapt • Build • Change • Choose • Combine • Compile • Compose • Construct • Create •Delete • Design • Develop • Discuss • Elaborate • Estimate • Formulate • Happen • Imagine •Improve • Invent • Make up • Maximize • Minimize • Modify • Original • Originate • Plan • Predict • Propose • Solution • Solve • Suppose • Test • Theory

BIU COLLEGE OF MANAGEMENT

(2024-2025)

CO-PO ATTAINMENT

Attainment of Course Outcomes

1. Describe the assessment processes used together the data upon which the Evaluation of Course Outcome is based

Assessment process includes tutorial questions, assignments, seminars, internally developed assessment exams, project presentations and external exams for theory and laboratory.

ASSESSMENTPROCESSFORDATACOLLECTION

- Outcome Based Education (OBE): Assessment is done through various processes carried out by the institution to identify, analyze and evaluate data towards the achievement of Course Outcomes (COs).
- As an important exercise of Outcome-Based Education (OBE) the assessment of course outcomes is done. Initially, Course Outcomes (CO's) for each course are defined based on the Program Outcomes (PO's) and other requirements. At the end of each course, the COs are assessed and evaluated to check whether they have been attained or not.
- Assessment is carried out by the department through identification, collection, and consolidation ofdata and achievement of program Outcomes evaluated.
- Attainment is the action of achieving a standard result towards accomplishment of desired goals. Primarily attainment is the standard of academic attainment as observed from test or examinationresult.
- Examination and test results are meticulously reviewed to attain a standard result facilitating accomplishment of desired goals.
- Attainments of the Cos are measured both directly an din directly.
- Direct attainment is determined by evaluating the student's knowledge and skills from their performanceinalltherelevantassessmentmethodssuchasinternalassessments,assignments,quizand external university examination. These methods provided comprehensive summary of student learning.
- Through indirect methods like surveys and interviews, our graduate's opinions and thoughts have been analyzed.
- CO attainment for the Laboratory is continuously assessed through observation notes, record marks, viva performance and experiment marks. Assessment Process for theory courses, practical courses and project works is shown in Table 1, Table 2 and Table 3.

Table1AssessmentProcessforTheorycourses

Assessment Tool	Assessment period	Assessed by	Reviewed by
Assignment I	Once after every Three units	Subject incharge	Internal Examination committee
Assignment II			
University Exam	Once per semester	BIUCM\BIU	

Table2AssessmentProcessforPracticalCourses

AssessmentTool	Assessment period	Assessedby	Reviewed by
UniversityExam	Oncepersemester	BIUCM\BIU	

Table3AssessmentProcessforProjectWork

AssessmentTool	Assessment period	Assessedby	Reviewed by
1st Review	4 weeks after commencementof class work	Review committee BIUCM/BIU	Internal Examination committee
2nd Review	4weeksafterthe first review		
3rd Review	4weeksafterthe Second review		

2. RecordtheattainmentofCourseOutcomesofallcourseswithrespecttosetAttainmentlevels

(Examples of data collection processes may include, but are not limited to, specific exam/ tutorial questions, assignments, laboratory tests, project evaluation, student portfolios(A portfolio is a collection of artifacts that demonstrate skills, personal characteristics and accomplishments created by the student during study period), internally developed assessment exams, project presentations, oral exams etc.)

Assessment of the student's learning is carried out not only by conventional methods like assignments, tutorial questions, laboratory tests, project evaluations, but also real time working models prepared by students are duly acknowledged, appreciated and demonstrated in the classroom and marks are awarded as a part of the internal assessment. An improved pedagogy strategy has been adopted through VEDIC (Vishnu Educational Development and Innovation Center) workshops and faculty development programs. This exercise has significantly strengthened our faculty, student's knowledge, skill portfolios , augmented the attainment of our Course Outcomes.

Thefollowingthreetoolsareusedtoassessthe Courseoutcomes

1. InternalTestsand Assignments
2. UniversityExamination
3. CourseOutcomeFeedback

COsAssessmentProcess-TheoryCourses:

The attainment process of COs is taken from three assessment Tools-Internal Tests and Assignments, University Examination, and Course Outcome Feedback. Here Internal Tests, and Assignments, University Examinationare considered for direct attainment and Course Outcome Feedbackfor indirect attainment.

AssessmentTool-InternalTestsandAssignments:

As per the Curriculum of BIUCM, the student has to write two internal examinations each semester in a particular course. Each midterm exam is conducted for 30 Marks.The marks obtained for each question and corresponding COs to which these COs are mapped are collected for each subject and then CO attainment is calculated. Assignments given for each course are two, where each assignment carries 10 marks. The CO assessment is calculated by measuring the percentage of students crossing a predefined bench mark.

A correlation is established between COs and POs in the scale of 1 to 3, where 1 indicates slight correlation(low), 2 indicates moderate correlation(medium) and 3 indicate substantial correlation(high). A mapping matrix is prepared in this regard for every course in the program.

CO attainment levels can be measured based on the results of the internal assessment and external examination conducted bythe university. This is a formof direct measurement of attainment.As per university regulations, two internal assessment tests are conducted for each course in a semester. In each test, the percentageofstudentscrossingasettargetlevelineachquestioniscalculatedandthatvaluedecidesthelevelof attainment of COs which are correlated to that question.

Attainment Level 1: If percentage of students crossing the set target level is upto 60%

AttainmentLevel2: Ifpercentageofstudentscrossingthe settargetlevelisbetween60% to 80%

Attainment Level 3: If percentage of students crossing the set target level is above 80%

Assessment Tool-University Examination:

At the end of the Semester, University conducts examination for 70 marks for every course. The grade points obtained for each student is calculated to measure the attainment. After the declaration of the university results i.e. grade points are as shown in Table 4, the percentage of students crossing a set target level is measured. Here, it is ensured that the questions answered by a student covers all the course outcomes definedfor that course.

Attainment Level 1: If percentage of students crossing the set target level is upto 60%

AttainmentLevel2: Ifpercentageofstudentscrossingthe settargetlevelisbetween60%to80%

Attainment Level 3: If percentage of students crossing the set target level is above 80%

Table4UniversityExaminationGradePoints

Lettergrade	GradePoints
O	10
A+	9
A	8
B+	7
B	6
C	5
D	4
F\RA	0
AB	0
DT	0

CO Feedback methodology

At the end of the course, CO feedback forms are collected from students to get feedback on COs. For each CO a question is prepared and that questionnaire is shared withstudents. For example, if a course has six COs, then six questions are asked. The student is expected to grade Excellent, Very Good, Good, Satisfactory and Poor. These feedback forms are collected and the data is consolidated.

Course Outcome Attainment:

The attainment process is explained through an example

Direct attainment

AttainmentlevelthroughUniversityExaminationconsideredasModeratei.e.2 Attainment level through Internal Examination considered as Moderate i.e. 2 Attainment level through Assignment considered as Substantial i.e. 3

Indirect attainment

It is measured from thecourseoutcomefeedbackgivenbystudentsforacourse,letsassumethatitisat Substantial level i.e, 3

COs

Attainment of Program Outcomes and Program Specific Outcomes

1. Describetheassessment toolsandprocessesusedformeasuringtheattainmentofeachoftheProgram Outcomes and Program Specific Outcomes

POassessmentisdoneusingbothdirectassessmenttoolsandindirectassessmenttools Direct assessment Tools:

Someofthedirectassessment toolsusedfordirectattainmentaredescribedasfollows.
InternalExamTest-IandII:AsperUniversityschedule,InternalExamTest–IandIIare conducted.

Project presentation: Projectpresentationis conductedthrice in the final semester,reviewed and assessed by Project Review Committee.

University Exam: The University Exam is conducted once per semester. The University Lab Exam is assessedby Internal and External Examiners appointed by University.

The University Theory exams are evaluated externally. The attainment of POs and PSOs is evaluated based on the semester result. Assessment process for POs and PSOs attainment is shown Table 3.6.

IndirectassessmentTools

Iindirectassessmenttoolsusedforindirectattainmentaredescribedasfollows.

Student's exit level Feedback: The attainment of POs and PSOs is evaluated on the basis of feedback collected from final year (8th Semester) students.

Alumni survey: A feedback is collected from alumni students to track the growth of our students.
Assessmentprocess for measuring the attainment of POs and PSOs for outcome-based education as shown in Figure 1

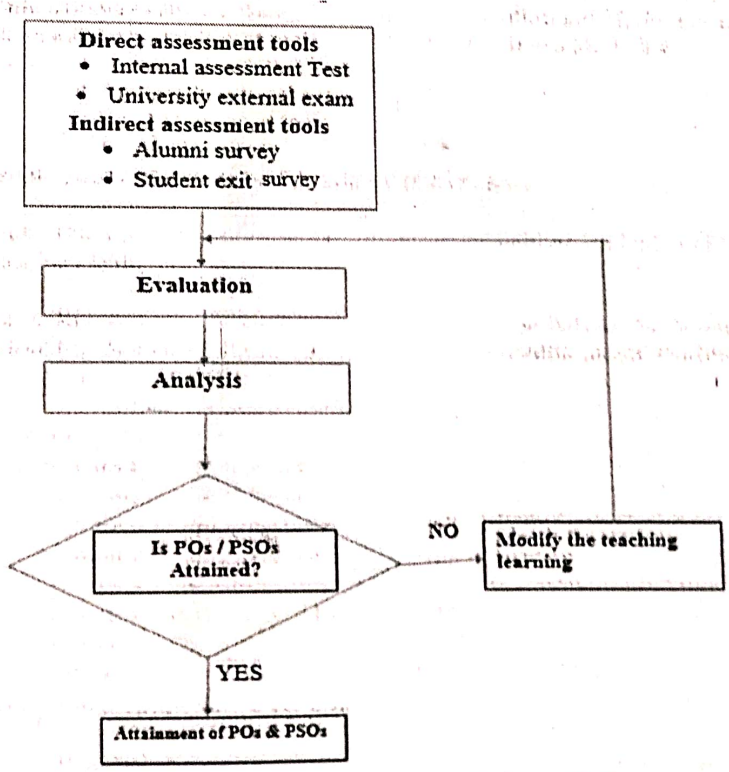


Figure1Assessmentprocessformeasuringtheattainmentof POsandPSOs.

Table6AssessmenttoolsforPOsandPSOsattainment

AssessmentType	Assessmentmethod	Assessmentperiod	AssessedandReviewed by
	Assignment I and II	Once after every Three units	SubjectIn-charge&InternalExamination committee
	University Exam	Onceper semester	ExternalAssessmentand Valuation.ResultsareExternallyreviewed by BIUCM.
Indirect assesment	Student Exit survey	Onceper year	Facultycoordinator
	Alumni Survey	Onceperyear	Facultycoordinator

Indirect Assessment

Surveys,Analysis,customizedtoanaveragevalueasperlevels1,2&3.Assumedlevel-2

PO Attainment

Note: Similar table is to be prepared for PSOs

Pos,PSOs

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Principles of Management

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	1	3	2	2	2	2
CO2	3	2	3	2	3	1	2	3	1
CO3	3	2	3	1	3	1	2	2	1
Co4	3	2	3	1	3	1	2	2	1
Avg.	2.7	2	2.7	1.2	3	1.2	2	2.2	1.2

MAPPING OF COs, POs andPSOs

Programme Name-BBA (F&T)

Course Name-Basic Accountancy

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	2	2	2	3
CO2	1	3	1	3	2	2	3	3	3
CO3	1	2	1	3	2	2	1	2	3
CO4	1	2	1	3	2	2	1	2	3
Avg.	2.6	2	2.3	2	2.6	1.6	2	1.3	3

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Business Mathematics & Statistics

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	3	3	1	3	1	3
CO2	2	2	2	3	3	2	1	1	3
CO3	2	3	2	3	3	3	3	1	3
CO4	1	3	2	3	2	3	3	2	3
Avg.	1.2	2.5	2	3	2.7	2.25	2.5	1.2	3

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Business Communication

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	2	3	1	3	3	1	2	1
CO2	3	2	3	1	3	3	2	1	2
CO3	2	2	3	2	2	2	1	2	3
CO4	3	2	3	1	3	3	2	1	2
Avg.	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Basics of computer Application

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	2	3	1	3	3	1	2	1
CO2	3	2	3	1	3	3	2	1	2
CO3	2	2	3	2	2	2	1	2	3
CO4	3	2	3	1	3	3	2	1	2
Avg.	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Management Information System

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	1	3	2	2	2	2
CO2	3	2	3	2	3	1	2	3	1
CO3	3	2	3	1	3	2	2	2	1
CO4	3	2	3	1	3	1	2	2	1
Avg.	2.7	2	2.7	1.2	3	1.5	2	2.2	1.2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Human Resource Management

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	1	2	1	2	2
CO2	2	1	2	1	3	2	2	1	1
CO3	2	1	3	1	1	1	1	2	1
CO4	2	1	2	2	1	2	1	2	2
Avg.	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Operation Research

Semester - 2nd

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	2	3	1	1	3	2
CO2	2	2	3	2	3	1	2	3	2
CO3	1	2	3	1	3	2	1	3	1
CO4	1	2	2	3	3	3	3	3	2
Avg.	1.5	2	2.7	2	3	1.7	1.7	3	1.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Computer Application in Business

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	2	3	1	3	3	1	2	1
CO2	3	2	3	1	3	3	2	1	2
CO3	2	2	3	2	2	2	1	2	3
CO4	3	2	3	1	3	3	2	1	2
Avg.	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Human Values and Professional Ethics

Semester - 2nd

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	1	1	1	2	3
CO2	1	2	2	1	1	1	1	2	2
CO3	1	2	1	2	2	2	1	2	2
CO4	1	3	1	2	2	1	1	2	1
Avg.	1	2.2	1.2	1.5	1.5	1.2	1	2	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(Finance And Taxation)

Course Name-Fundamentals of Financial Management

Semester – III

COs	PO1	PO2	PO3	PO4	PO5	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	3	1	2
CO2	2	1	2	2	3	3	1	3
CO3	2	2	1	3	3	1	2	2
CO4	2	2	1	3	3	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	1	1.4	2.2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (Finance and Taxation)

Course Name-Company Corporate Law

Semester-III

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	1	3	1	3
CO2	1	2	1	1	3	1	3	1	3
CO3	2	3	1	1	2	3	1	2	1
CO4	1	2	2	2	3	1	3	2	1
Avg	1.2	2.2	1.2	1.2	2.7	1.4	2.5	1.4	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(Finance and Taxation)

Course Name-Principles of Marketing

Semester – III

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	2	3	1	2	3	3
CO2	1	2	1	3	3	2	3	2	3
CO3	2	1	3	1	3	3	2	3	2
CO4	1	2	2	3	3	2	3	2	3
Avg.	1.4	1.7	2.2	2.2	3	2	2.5	2.5	2.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA (Finance and Taxation)

Course Name-Cost and Account Management

Semester – III

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	2	3	1	2
CO2	2	1	2	2	3	1	3	1	3
CO3	2	2	1	3	3	1	1	2	2
CO4	2	2	1	3	3	1	1	2	2
Avg.	1.7	1.7	1.4	2.5	2.5	1.2	2	1.4	2.2

MAPPING OF COs, POs and PSOs

Programme Name- BBA (Finance and Taxation)

Course Name-Business Economics & Indian Economy

Semester – III

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	2	1	3	3	2	3	1	3
CO2	2	3	2	2	3	2	2	2	3
CO3	1	3	2	3	3	2	3	1	3
CO4	1	3	2	3	3	3	3	2	3
Avg.	1.7	2.2	1.75	2.75	3	2.5	2.7	1.5	3

MAPPING OF COs, POs and PSOs

Programme Name-BBA (Finance and Taxation)

Course Name-Financial Services

Semester - IV

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	2	3	1	2
CO2	2	1	2	2	3	1	3	1	3
CO3	2	2	1	3	3	1	1	2	2
CO4	2	2	1	3	3	1	1	2	2
Avg.	1.75	1.75	1.5	2.5	2.5	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (Finance and Taxation)

Course Name-Supply Chain Management

Semester – IV

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	1	2	1	2	2
CO2	2	1	2	1	3	2	2	1	1
CO3	2	1	3	1	1	1	1	2	1
CO4	2	1	2	2	1	2	1	2	2
Avg.	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5

MAPPING OF COs, POs and PSOs

Programme Name-BBA (Finance and Taxation)

Course Name-Corporate Management

Semester – IV

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	1	3	1	3
CO2	1	2	2	1	3	1	3	1	3
CO3	2	3	1	2	2	3	1	2	1
CO4	1	2	2	2	3	1	3	2	1
Avg.	1.2	2.2	1.5	1.5	2.7	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F &T)

Course Name –FinancialReports & Auditing

Semester – IV

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	1	2	3	1	3	2
CO2	2	2	3	3	3	2	1	3	2
CO3	2	2	3	3	3	2	1	3	2
CO4	3	3	2	3	3	3	2	1	2
Avg.	2.2	2.5	2.7	2.5	2.7	2.5	1.2	2.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F & T)

Course Name - Environmental Science

Semester – IV

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	-	-	2	1	1	2
CO2	1	2	2	1	1	2	2	1	2
CO3	2	2	2	1	1	2	1	1	2
CO4	2	1	1	2	2	3	3	1	1
Avg.	1.5	1.7	1.7	1	1	2.2	1.7	1	1.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Goods & Services Tax

Semester – 5th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	1	3	1	3
CO2	1	2	1	1	3	1	3	1	3
CO3	2	3	1	1	2	3	1	2	1
Co4	1	2	2	2	3	1	3	2	1
Avg.	1.2	2.2	1.2	1.2	2.7	1.5	2.5	1.5	2.5

MAPPING OF COs, POs andPSOs

Programme Name-BBA (F&T)

Course Name-Banking and Insurance

Semester – 5th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	1	1	3	3	1	3	1	3
CO2	1	1	1	3	3	1	3	1	3
CO3	1	2	2	3	3	2	3	2	3
CO4	2	2	1	3	2	2	2	1	2
Avg.	1.2	1.5	1.2	3	2.7	1.5	2.7	1.2	2.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Labour & Industrial law

Semester – 5th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	1	3	1	3
CO2	1	2	1	1	3	1	3	1	3
CO3	2	3	1	1	2	3	1	2	1
CO4	1	2	2	2	3	1	3	2	1
Avg.	1.2	2.2	1.25	1.2	2.7	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name- Customer Relationship Management

Semester -- 5th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	1	2	1	2	2
CO2	2	1	2	1	3	2	2	1	1
CO3	2	1	3	1	1	1	1	2	1
CO4	2	1	2	2	1	2	1	2	2
Avg.	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Indian Knowledge System

Semester -- 5th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	1	-	2	3	3	2	2	2
CO2	3	3	3	2	3	3	2	1	2
CO3	2	2	2	1	2	2	1	2	1
CO4	3	1	1	2	1	3	2	1	2
Avg.	2.7	1.7	1.5	1.7	2.2	2.7	1.7	1.5	1.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Risk Management

Semester -- 6th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	1	1	2	1	3	2
CO2	3	2	2	2	3	2	2	3	2
CO3	3	2	2	2	3	2	2	3	2
CO4	2	3	2	3	2	3	2	2	2
Avg.	2.5	2.2	2.2	2	2.2	2.2	1.7	2.7	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Consumer Behaviour

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	1	2	2	1	2	1
CO2	2	2	2	1	2	2	2	2	2
CO3	2	1	2	2	1	2	2	2	1
CO4	2	2	2	2	1	2	1	2	2
Avg.	2	1.7	2	1.5	1.5	2	1.7	2	1.5

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Research Methodology

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	2	3	1	1	3	2
CO2	2	2	3	2	3	1	2	3	2
CO3	1	2	3	1	3	2	1	3	1
CO4	1	2	2	3	3	3	3	3	2
Avg.	1.5	2	2.7	2	3	1.7	1.7	3	1.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Internship

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	3	3	3	1
CO2	2	3	3	2	3	3	3	3	3
CO3	2	2	2	3	3	2	2	3	2
CO4	1	2	3	3	2	1	2	2	3
Avg.	2	2.5	2.7	2.7	2.7	2.2	2.5	2	2.2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Project

Semester -- 6th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	1	2	1	2	2
CO2	2	1	2	1	3	2	2	1	1
CO3	2	1	3	1	1	1	1	2	1
CO4	2	1	2	2	1	2	1	2	2
Avg.	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5

02. Once entered for Cos, Pos& PSOs, calculate the average. The score ofEach course average would require during the mapping of the Cos, Pos, andPSOs of the Program. As depicted below:

Sem.	Course Code	Course Title	Credit	PO1	PO2	PO3	PO4	PO5	PSO 1	PSO 2	PSO 3	PSO 4
I	1641101	Principles of Management	4	2.7	2	2.7	1.2	3	1.2	2	2.2	1.2
	1641102	Basics Accountancy	4	1	2.2	1.2	2.7	1.7	2	1.7	2.2	3
	1641103	Business Mathematics and Statistics	4	1.5	2.5	2	3	2.7	2.2	2.5	1.2	3
	1641104	Business Communication	4	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2
	1641105	Basics of Computer Application	4	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2
II	1641201	Management Information System	4	2.7	2	2.7	1.2	3	1.5	2	2.2	1.2
	1641202	Human Resource Management	4	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5
	1641203	Operation Research	4	1.5	2	2.7	2	3	1.7	1.7	3	1.7
	1641204	Computer Application in Business	4	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2
	1641205	Human Values and Professional Ethics	4	1	2.2	1.2	1.5	1.5	1.2	1	2	2
III	1641301	Fundamentals of Financial Management	4	1.7	1.7	1.5	2.5	2.5	1.2	2	1.5	2.2
	1641302	Company and Corporate law	4	1.2	2.2	1.2	1.2	2.7	1.5	2.5	1.5	2
	1641303	Principles of Marketing	4	1.5	1.7	2.2	2.2	3	2	2.5	2.5	2.7
	1641304	Business Economics and Indian Economy	4	1.7	2.2	1.7	2.7	3	2.2	2.7	1.5	3
	1641305	Cost and Account	4	1.7	1.7	1.5	2.5	2.5	1.2	2	1.5	2.2

		Management										
	1641401	Financial Services	4	1.7	1.7	1.5	2.5	2.5	1.2	2	1.5	2.2
	1641402	Supply Chain Management	4	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.2	1.5
	1641403	Corporate Management	4	1.2	2.2	1.5	1.5	2.7	1.5	2.5	1.5	2
IV	1641404	Environmental Science	4	1.5	1.7	1.7	1	1	2.2	1.7	1	1.7
	1641405	Financial Reports and Auditing	4	2.2	2.5	2.5	2.5	2.7	2.5	1.2	2.5	2
	1641501	Goods and Services Tax	4	1.2	2.2	1.2	1.2	2.7	1.5	2.5	1.5	2
	1641502	Banking And Insurance	4	1.2	1.5	1.2	3	2.7	1.5	2.7	1.2	2.7
V	1641504	Customer Relationship Management	4	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5
	1641506	Labour and Industrial Laws	4	1.2	2.2	1.2	1.2	2.7	1.5	2.5	1.5	2
	1641507	Indian Knowledge System	4	2.7	1.7	1.5	1.7	2.2	2.7	1.7	1.5	1.7
	1641601	Risk Management	4	2.5	2.2	2.2	2	2.2	2.2	1.7	2.7	2
	1641602	Consumer Behavior	4	2	1.7	2	1.5	1.5	2	1.5	2	1.5
VI	1641606	Research Methodology	4	1.5	2	2.7	2	3	1.7	1.7	3	1.7
	1641607	Internship	4	2	2.5	2.7	2.7	2.7	2.2	2.5	2.7	2.2
	1641608	Project	4	2.2	2.5	2.7	2.7	2.7	2.5	2.5	2.7	2.5
Avg.				1.9	2	2	1.9	2.4	1.9	1.9	1.9	2

Note: C– Credits, Program Outcome, PSO - Outcome

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Financial Accounting

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	1	2	2	2	3	1	2
CO2	2	1	2	2	3	2	2	1	1	3	1	3
CO3	2	2	1	3	3	2	2	2	1	1	2	2
CO4	2	2	1	3	3	2	1	3	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	1.7	1.7	2	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Principles of Management

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	1	2	1	2	2	2	3	2	1	2	1
CO2	1	2	2	2	2	2	2	3	1	2	1
CO3	1	3	2	2	3	3	3	2	1	2	2
CO4	2	2	1	2	3	2	2	2	2	2	3
Avg.	1.2	2.2	1.5	2	2.5	2.2	2.5	2.2	1.2	2	1.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Business Mathematics & Statistics

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	3	3	1	1	2	2	2	1	2
CO2	2	3	1	2	2	1	1	1	2	1	2	2
CO3	2	3	3	3	3	1	2	1	3	2	1	1
CO4	1	3	1	2	2	2	1	2	1	1	2	1
Avg.	1.7	3	1.7	2.5	2.5	1.2	1.2	1.5	2	1.5	1.5	1.5

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Communicative English

Semester – I[st]

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	1	2	1	1	3	3	2	1	2	2	2
CO2	1	2	1	1	2	3	3	3	1	1	2	1
CO3	1	2	1	2	2	3	2	2	1	2	2	2
CO4	2	1	2	2	3	1	1	2	2	1	1	2
Avg.	1.2	1.5	1.5	1.5	2	2.5	2.2	2.2	1.2	1.5	1.7	1.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Computer Application

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	2	1	3	3	1	3	1	2	3	3	3
CO2	3	2	3	3	3	1	1	3	2	3	2	1
CO3	2	1	2	1	1	1	2	1	2	1	1	2
CO4	3	1	1	1	1	2	1	2	2	2	3	1
Avg.	2.7	1.5	1.7	2	2	1.2	1.7	1.7	2	2.2	2.2	1.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- E-Commerce

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	2	2	3	3	2	1	2	3	2
CO2	1	1	2	1	2	3	2	3	1	1	3	2
CO3	1	2	2	1	3	3	2	2	2	3	3	3
CO4	1	1	2	2	1	1	2	2	1	3	2	1
Avg.	1.2	1.5	1.7	1.5	2	2.5	2.2	2.2	1.2	2.2	2.7	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Micro Economics

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	1	2	1	3	2	2	1	3	1	3
CO2	2	1	1	1	1	1	1	3	1	3	3	3
CO3	3	2	1	1	1	1	3	3	2	2	2	3
CO4	3	2	2	2	2	2	1	1	2	3	2	2
Avg.	2.5	2	1.2	1.5	1.2	1.7	1.7	2.2	1.5	2.7	2	2.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Indian Constitution, Politics & Economy

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	1	2	3	2	3	2	1	1	3
CO2	2	1	1	1	2	3	1	2	2	2	1	3
CO3	1	2	2	1	2	3	2	2	2	2	2	3
CO4	2	1	2	1	3	2	2	1	1	3	2	2
Avg.	1.5	1.5	1.7	1	2.2	2.7	1.7	2	1.7	2	1.5	2.7

MAPPING OF COs, POs and PSOs

Programme Name-B.Com (Honours)

Course Name- Computerized Accounting

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	2	2	3	3	2	1	2	3	2
CO2	1	1	2	1	2	3	2	3	1	1	3	2
CO3	1	2	2	1	3	3	2	2	2	3	3	3
CO4	1	1	2	2	1	1	2	3	1	3	2	1
Avg.	1.2	1.5	1.7	1.5	2	2.5	2.2	2.5	1.2	2.2	2.7	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Human Values & Professional Ethics

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	1	1	3	3	1	1	1	2	1
CO2	1	2	1	1	1	3	3	1	1	1	2	2
CO3	1	2	2	2	2	3	3	1	2	1	2	2
CO4	1	3	2	2	2	3	3	1	1	1	2	1
Avg.	1	2.2	1.7	1.5	1.5	3	3	1	1.2	1	2	1.5

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Cost Accounting

Semester- 3rd

COs	PO1	PO2	PO3	PO4	PO5	PO6	Po7	Po8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	3	3	1	2	3	1	2
CO2	2	1	2	2	3	2	1	2	1	3	1	3
CO3	2	2	1	2	3	3	1	2	1	1	2	2
CO4	2	2	1	3	3	1	2	1	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	2.2	1.7	1.5	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name-Business Law

Semester – 3RD

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	2	2	1	1	3	1	3
CO2	1	2	1	1	3	3	1	2	1	3	1	3
CO3	2	3	1	1	2	1	2	1	3	1	2	1
CO4	1	2	2	2	3	2	1	2	1	3	2	1
Avg.	1.2	2.2	1.2	1.2	2.7	2	1.5	1.5	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Macro Economics

Semester – 3RD

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	1	2	1	3	2	2	1	3	1	3
CO2	2	1	1	1	1	1	1	3	1	3	3	3
CO3	3	2	1	1	1	1	3	3	2	2	2	3
CO4	3	2	2	2	2	2	1	1	2	3	2	2
Avg.	2.5	2	1.2	1.5	1.2	1.7	1.7	2.2	1.2	2.7	2	2.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Fundamentals Of Information System

Semester – 3rd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	1	3	1	2	3	2	2	2	2
CO2	3	2	3	2	3	2	3	1	1	2	3	1
CO3	3	2	3	1	3	2	1	3	2	2	2	1
CO4	3	2	3	1	3	1	3	2	1	2	2	1
Avg.	2.7	2	2.7	1.2	3	1.5	2.2	2.2	1.5	2	2.2	1.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name-Innovation

Semester- 3rd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	2	2	2	3	2	2	3	1	2	1	3
CO2	2	1	1	3	2	2	1	2	2	3	2	3
CO3	2	2	1	3	3	3	1	2	1	2	3	3
CO4	3	1	1	2	1	2	1	2	1	2	2	2
Avg.	2	1.5	1.2	2.5	2.2	2.2	1.2	2.2	1.2	2.2	2	2.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Management Accounting

Semester 4th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	2	1	1	1	3	1	3

CO2	1	2	2	1	3	1	2	2	1	3	1	3
CO3	2	3	1	2	3	2	1	3	3	1	2	1
CO4	1	2	2	2	3	2	2	1	1	3	2	1
Avg.	1.2	2.2	1.5	1.2	3	1.7	1.5	1.7	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Company & Corporate Law

Semester – 4th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	2	1	1	3	2	3	2	1	3	1	3
CO2	1	2	1	1	3	1	1	1	1	3	1	3
CO3	2	3	1	1	2	2	2	2	3	1	2	1
CO4	1	2	2	2	3	1	2	2	1	3	2	1
Avg.	1.2	2.2	1.2	1.2	2.7	1.5	2	1.7	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Human Resource Management

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	3	3		2	1	2	1	2	2	1	2	2
CO2	2	1		1	3	3	2	1	2	2	1	1
CO3	2	1		1	3	3	2	1	2	2	1	1
CO4	2	1		2	1	2	3	1	2	1	2	2
Avg.	2.2	1.5	2.2	1.5	1.5	2	2	1.7	1.7	1.2	1.7	1.5

Semester – 4th

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Environmental Science

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	1	2	1	1	3	3	1	1	1	2	3
CO2	1	2	1	2	1	3	2	1	2	1	2	2
CO3	1	1	2	1	1	2	3	1	1	2	2	1
CO4	2	1	2	3	2	1	1	2	2	3	2	1
Avg.	1.2	1.2	1.7	1.7	1.2	2.2	2.2	1.2	1.5	1.7	2	1.7

Semester – 4th

MAPPING OF COs, POs and PSOs

Programme Name- B Com(H)

Course Name- Digital Marketing

Semester – 4th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	3	2	3	2	2	3	2	2	3	2	3	2
CO2	2	3	2	2	2	3	1	2	3	2	3	2
CO3	3	2	2	2	3	2	1	3	3	3	2	2
CO4	2	2	3	2	3	3	1	2	2	2	3	3
Avg.	2.5	2.2	2.2	2	2.5	2.7	1.2	2.2	2.7	2.2	2.7	2.2

MAPPING OF COs, POs and PSOs

Programme Name-B.Com (Honours)

Course Name- Financial Market and Services

Semester – 5th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	2	1	3	2	3	1	2
CO2	2	1	2	2	3	1	1	2	1	3	1	3
CO3	2	2	1	3	3	3	2	1	1	1	2	2
CO4	2	2	1	3	3	2	1	3	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	2	1.2	2.2	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Corporate Accounting

Semester – 5th

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	1	1	2	2	3	1	2
CO2	2	1	2	2	3	2	2	1	1	3	1	3
CO3	2	2	1	3	3	3	2	1	1	1	2	2
CO4	2	2	1	3	3	2	1	3	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2

MAPPING OF COs. POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Financial Management

Semester – 5th

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	2	2	2	1	3	1	3	2	3	1	2
CO2	2	1	2	2	3	2	2	1	1	3	1	3
CO3	2	2	1	3	3	1	1	2	1	1	2	2
CO4	2	2	1	3	3	2	2	1	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Investment Management

CO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	2	2	2	1	3	1	3	2	3	1	2
CO2	2	1	2	2	3	2	2	1	1	3	1	3
CO3	2	2	1	3	3	1	1	2	1	1	2	2
CO4	2	2	1	3	3	2	2	1	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2

Semester – 5th

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Indian Knowledge System

Semester – 5th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	2	1	1	1	3	3	1	1	1	2	1
CO2	1	2	2	1	1	3	3	2	1	1	2	2
CO3	1	2	1	2	2	3	3	1	2	1	2	1
CO4	1	3	1	2	2	3	3	1	2	1	2	2
Avg	1	2.2	1.2	1.5	1.5	3	3	1.2	1.5	1	2	1.5

MAPPING OF COs, POs and PSOs

Programme Name- B Com (Honours)

Course Name- Organizational Behaviour

Semester - 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	1	2	1	2	3	2	1	2	1
CO2	2	2	2	1	2	3	2	1	2	2	2	2

CO4	3	3	2	3	3	1	2	3	3	2	1	2
Avg.	2.2	2.5	2.5	2.5	2.7	2	2	2	2.5	1.2	2.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B Com (Honours)

Course Name- Banking and other Financial Institutions

Semester - 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	2	2	3	2	2	1	2	2	3
CO2	2	3	2	2	1	2	2	3	2	3	2	2
CO3	1	2	1	3	3	2	1	2	2	2	2	3
Avg	1.6	2.3	1.3	2.5	2	2.3	1.6	2.3	1.6	2.3	2	2.6

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Entrepreneurial Development & Business Ethics

Semester- 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	1	2	3	1	3	1	3
CO2	1	2	1	1	3	3	2	1	1	3	1	3
CO3	2	3	1	1	2	2	2	1	3	1	2	1
CO4	1	2	2	2	3	3	3	1	1	3	2	1
Avg.	1.2	2.2	1.2	1.2	2.7	2.2	2.2	1.5	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Internship

Semester - 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	1	2	1	3	3	3	1
CO2	2	3	3	2	3	1	2	3	3	3	3	3
CO3	2	2	2	3	3	2	3	2	2	2	3	2
CO4	1	2	3	3	2	3	1	2	1	2	2	3
Avg.	2	2.5	2.7	2.7	2.7	1.7	2	2	2.2	2.5	2.7	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Audit and Assurance

Semester – 7th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	1	2	2	3	1	3	1	3	2
CO2	2	2	3	3	3	2	1	3	2	1	3	2
CO3	3	2	3	3	3	3	2	1	2	1	3	2
CO4	3	3	2	3	3	1	2	3	3	2	1	2
Avg.	2.5	2.5	2.5	2.5	2.7	2	2	2	2.5	1.2	2.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Security Analysis & Portfolio Management

Semester – 7th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	2	1	1	1	3	1	3
CO2	1	2	2	1	3	1	2	2	1	3	1	3
CO3	2	3	1	2	3	2	1	3	3	1	2	1
CO4	1	2	2	2	3	2	2	1	1	3	2	1
Avg.	1.2	2.2	1.5	1.5	3	1.7	1.5	1.7	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Goods and Services Tax

CO1	2	2		2	3	2	3	1	1	1	3	2
CO2	2	2		2	3	1	2	3	1	2	3	2
CO3	1	2		1	3	3	2	1	2	1	3	1
CO4	1	2		3	3	2	2	1	3	3	3	2
Avg.	1.5	2	2.7	2	3	2	2.2	1.5	1.7	1.7	3	1.7

Semester – 7th

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Text Management and Practice

Semester – 7th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO3	2	3	3	3	2	1	2	3	3	1	3	2
CO2	1	3	1	3	3	3	2	1	2	1	3	2
CO3	2	3	1	3	3	1	3	1	2	1	3	2
CO4	3	3	2	3	3	1	2	3	3	2	1	2
AVG	2.2	2.5	2.5	2.5	2.7	1.7	2.2	2	2.2	1.2	2.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Principles Of Marketing

Semester - 3rd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	2	3	1	2	3	1	2	3	3
CO2	1	2	1	3	3	3	2	1	2	3	2	3
CO3	2	1	3	1	3	1	3	3	3	2	3	2
CO4	1	2	2	3	3	2	2	1	2	3	2	3
Avg.	1.5	1.7	2.2	2.2	3	1.7	2.2	2	2	2.5	2.5	2.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Strategic Financial Management

Semester – 8th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	1	2	1	2	3	3	1	3	2
CO2	2	2	3	3	3	3	2	1	2	1	3	2
CO3	2	2	3	3	3	2	3	1	2	1	3	2
CO4	3	3	2	3	3	1	2	3	3	2	1	2
Avg.	2.2	2.5	2.5	2.5	2.7	1.7	2.2	2	2.5	1.2	2.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Strategic Cost Management

Semester –8th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	2	2	1	2	3	1	2
CO2	2	1	2	2	3	3	2	1	1	3	1	3
CO3	2	2	1	3	3	1	2	3	1	1	2	2
CO4	2	2	1	3	3	1	1	2	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	1.7	1.7	1.7	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Operation Research

Semester – 8th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	2	3	2	1	3	1	1	3	2
CO2	2	2	3	2	3	1	2	3	1	2	3	2
CO3	1	2	3	1	3	2	3	1	2	1	3	1
CO4	1	2	2	3	3	1	2	3	3	3	3	2
Avg.	1.5	2	2.7	2	3	1.5	2	2.5	1.7	1.7	3	1.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Project

Semester - 8th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	3	2	3	3	3	3	2
CO2	2	3	3	2	3	3	3	3	3	3	3	2
CO3	2	2	2	3	3	2	2	3	2	2	3	3
CO4	2	2	3	3	2	2	3	2	2	2	2	2
Avg.	2.2	2.5	2.7	2.7	2.7	2.5	2.5	2.7	2.5	2.2	2.7	2.2

02. Once entered for Cos, Pos & PSOs, calculate the average. The score of Each course average would require during the mapping of the Cos, Pos, and PSOs of the Program. As depicted below:

Sem	Course Code	Course Title	Credit	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3	PSO 4
	1642101	Financial Accounting	4	1.7	1.7	1.5	2.5	2.5	1.7	1.7	2	1.2	2	1.5	2.2
	1642102	Principles of Management	4	1.2	2.7	1.5	2	2.5	2.2	2.5	2.2	1.2	2	1.7	-
	1642103	Business Mathematics & Statistics	4	1.7	3	1.7	2.5	2.5	1.2	1.2	1.5	2	1.5	1.5	1.5
	1642104	Communicative English	4	1.2	1.5	1.5	1.5	2	2.5	2.2	2.2	1.2	1.5	1.7	1.7
	1642105	Computer Application	4	2.7	1.5	1.7	2	2	1.2	1.7	1.7	2	2.2	2.2	1.7
	1642201	E - Commerce	4	1.2	1.5	1.7	1.5	2	2.5	2.2	2.2	1.2	2.2	2.7	2
	1642202	Micro Economics	4	2.5	2	1.2	1.5	1.2	1.7	1.7	2.2	1.5	2.7	2	2.7
II	1642203	Indian Constitution, Politics & Economy	4	1.5	1.5	1.7	1	2.2	2.7	1.7	2	1.7	2	1.5	2.7
	1642204	Computerized Accounting	4	1.2	1.5	1.7	1.5	2	2.5	2.2	2.5	1.2	2.2	2.7	2
	1642205	Human Values and Professional Ethics	4	1	2.2	1.7	1.5	1.5	3	3	1	1.2	1	2	1.5
	1643201	Cost Accounting	4	1.7	1.7	1.5	2.5	2.5	2.2	1.7	1.5	1.2	2	1.5	2.2
	1643202	Business Law	4	1.2	2.2	1.2	1.2	2.7	2	1.5	1.5	1.5	2.5	1.5	2
III	1643203	Macro Economics	4	2.5	2	1.2	1.5	1.2	1.7	1.7	2.2	1.5	2.7	2	2.7
	1643204	Fundamentals of Information System	4	2.7	2	2.7	1.2	3	1.5	2.2	2.2	1.5	2	2.2	1.2
	1643205	Innovation	4	2	1.5	1.2	2.5	2.2	2.2	1.2	2.2	1.2	2.2	2	2.7
	1642401	Management Accounting	4	1.2	2.2	1.5	1.5	3	1.7	1.5	1.7	1.5	2.5	1.5	2
IV	1642402	Company & Corporate Law	4	1.2	2.2	1.2	1.2	2.7	1.5	2	1.7	1.5	2.5	1.5	2
	1642403	Human Resource Management	4	2.2	1.5	2.2	1.5	1.5	2	2	1.7	1.7	1.2	1.7	1.5
	1642404	Environmental Science	4	1.2	1.2	1.7	1.7	1.2	2.2	2.2	1.2	1.5	1.7	2	1.7
	1642405	Digital Marketing	4	2.5	2.2	2.5	2	2.5	2.7	1.2	2.2	2.7	2.2	2.7	2.2
	1642501	Financial Market & Services	4	1.7	1.7	1.5	2.5	2.5	2	1.2	2.2	1.2	2	1.5	2.2
V	1642502	Corporate Accounting	4	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2
	1642503	Financial Management	4	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2
	1642504	Investment Management	4	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2

	1642505	Indian Knowledge System	4	1	2.2	1.2	1.5	1.5	3	3	1.2	1.5	1	2	1.5
VI	1642601	Organizational Behavior	4	2	1.7	2	1.5	1.5	2	2.2	1.5	2	1.5	2	1.5
	1642602	Financial Statement Analysis & Reporting	4	2.2	2.5	2.5	2.5	2.7	2	2	2	2.5	1.2	2.5	2
	1642603	Banking and Other Financial Institution	4	1.6	2.3	1.3	2.3	2	2.3	1.6	2.3	1.6	2.3	2	2.6
	1642604	Entrepreneurial Development & Business Ethics	4	1.2	2.2	1.2	1.2	2.7	2.2	2.2	1.5	1.5	2.5	1.5	2
	1642605	Internship	4	2	2.5	2.7	2.7	2.7	1.7	2	2	2.2	2.5	2.7	2.2
VII	1642701	Audit & Assurance	4	2.5	2.5	2.5	2.5	2.7	2	2	2	2.5	1.2	2.5	2
	1642702	Security Analysis & Portfolio Management	4	1.2	2.2	1.5	1.5	3	1.7	1.5	1.7	1.5	2.5	1.5	2
	1642703	Goods & Services Tax	4	1.2	2.2	1.2	1.2	2.7	2	1.5	2.2	1.5	2.5	1.5	2
	1642704	Business Research Methods	4	1.5	2	2.7	2	3	2	2.2	1.5	1.7	1.7	3	1.7
	1642705	Tax Management & Practice	4	2.2	2.5	2.5	2.5	2.7	1.7	2.2	2	2.5	1.2	2.5	2
VIII	1642801	Principles of Marketing	4	1.5	1.7	2.2	2.2	3	1.7	2.2	2	2	2.5	2.5	2.7
	1642802	Strategic Financial Management	4	2.2	2.5	2.5	2.5	2.7	1.7	2.2	2	2.5	1.2	2.5	2
	1642803	Strategic Cost Management	4	1.7	1.7	1.5	2.5	2.5	1.7	1.7	1.7	1.2	2	1.5	2.2
	1642804	Operation Research	4	1.5	2	2.7	2	3	1.5	2	2.5	1.7	1.7	3	1.7
	1642805	Project	4	2.2	2.5	2.7	2.7	2.7	2.5	2.5	2.7	2.5	2.5	2.7	2.2
Avg.				1.9	1.7	1.8	1.9	2.3	2	1.9	1.9	1.6	1.9	2	1.9

Note: C – Credits, Program Outcome, PSO - Outcome

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Computer Fundamental & PC Software

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	1	3	3	1	3	1	2	3	3
CO2	3	2	3	3	3	1	1	3	2	3	2
CO3	2	1	2	1	1	1	2	1	2	1	1
CO4	3	1	1	1	1	2	1	2	2	2	3
Avg.	2.7	1.5	1.7	2	2	1.2	1.7	1.7	2	2.2	2.2

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Programming in 'C'

Semester -- 1st

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	2	3	3	2	2	1	1	3	3	3	2
CO2	2	3	3	2	2	1	1	3	3	2	3
CO3	1	3	2	3	3	1	2	3	3	2	3
CO4	1	3	3	3	3	1	2	3	2	3	3
Avg.	1.5	3	2.7	2.5	2.5	1	1.5	3	2.7	2.5	2.7

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Principles of Management

Semester - 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	1	2	1	2	2	2	3	2	1	2	1
CO2	1	2	2	2	2	2	2	3	1	2	1
CO3	1	3	2	2	3	3	3	2	1	2	2
CO4	2	2	1	2	3	2	2	2	2	2	3
Avg.	1.2	2.2	1.5	2	2.5	2.2	2.5	2.2	1.2	2	1.7

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-BasicMathematics& Statistics

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	2	3	2	3	3	1	1	2	2	2	1
CO2	2	3	1	2	2	1	1	1	2	1	2
CO3	2	3	3	3	3	1	2	1	3	2	1
Avg.	2	3	2	2.6	2.6	1	1.3	1.3	2.3	1.6	1.3

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-BasicMathematics& Statistics

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	2	3	2	3	3	1	1	2	2	2	1
CO2	2	3	1	2	2	1	1	1	2	1	2
CO3	2	3	3	3	3	1	2	1	3	2	1
Avg.	2	3	2	2.6	2.6	1	1.3	1.3	2.3	1.6	1.3

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name- Communicative English

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	1	1	2	1	1	3	3	2	1	2	2
CO2	1	2	1	1	2	2	3	3	1	1	2
CO3	1	2	1	2	2	3	2	2	1	2	2
Avg.	1	1.6	1.3	1.3	1.6	2.6	2.6	2.3	1	1.6	2

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT &Multimedia)

Course Name-Data Structure using 'C'

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	2	2	1	2	2	1	1	2	2	2	1
CO2	2	2	1	2	2	1	1	2	2	2	1
CO3	1	3	2	3	3	1	1	3	3	2	1
Avg.	1.6	2.3	1.3	2.3	2.3	1	1	2.3	2.3	2	1

MAPPING OF COs, POs and PSOs

Programme Name- BCA (IT & Multimedia)

Course Name-Introduction to Database System

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	1	2	3	2	2	1	2	3	2	2	1
CO2	1	2	3	2	2	1	1	3	3	2	2
CO3	1	3	2	3	3	1	1	3	3	2	2
CO4	2	2	3	3	3	2	2	3	2	2	2
Avg.	1.2	2.2	2.7	2.5	2.5	1.2	1.5	3	2.5	2	1.7

MAPPING OF COs, POs and PSOs

Programme Name-BCA(IT & Multimedia)

Course Name-Business Organisation& Management

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	1	2	2	3	3	1	2	2	1	2	2
CO2	1	2	1	2	2	1	1	2	1	2	2
CO3	1	2	1	2	3	1	2	2	2	1	2
CO4	1	2	1	2	2	2	2	2	1	2	2
Avg.	1	2	1.2	2.2	2.5	1.2	1.7	2	1.2	1.7	2

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Foundations of Information Technology

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	1	2	2	2	1	1	3	3	3	2
CO2	3	1	2	2	2	1	1	3	3	3	2
CO3	1	3	3	2	3	1	2	2	2	2	1
Avg.	2.3	1.6	2.3	2	2.3	1	1.3	2.6	2.6	2.6	1.6

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Object-oriented Programming using 'JAVA'

Semester – 3rd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	1	1	2	3	3	2
CO2	2	3	3	2	3	1	1	2	3	3	2
CO3	2	2	3	3	3	2	1	3	2	3	2
Avg.	2	2.6	3	2.3	3	1.3	1	2.3	2.6	3	2

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Operating System

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3

CO1	2	2	1	2	2	1	1	2	2	2	1
CO2	2	2	1	2	2	1	2	1	2	2	1
CO3	2	3	2	3	3	1	2	2	2	3	2
Avg.	2	2.3	1.3	2.3	2.3	1	1.6	1.6	2	2.3	1.3

Sem ester – 3rd

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Computer Graphics, Multimedia and Animation

Semester – 3rd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	1	2	3	2	2	1	2	3	3	2	2
CO2	2	2	3	2	2	1	1	2	2	2	3

CO3	1	3	3	3	3	2	2	2	3	2	2
CO4	1	3	3	3	3	2	2	2	3	2	2
Avg.	1.2	2.5	3	2.5	2.5	1.5	1.7	2.2	2.7	2	2.2

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-IT-Enabled Services & Applications

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	1	2	2	2	1	1	3	3	3	2
CO2	3	1	2	2	2	1	1	3	3	3	2
CO3	1	3	3	2	3	1	2	2	2	2	1
CO4	1	2	3	3	3	3	3	3	2	2	2

Avg.	2	1.7	2.5	2.2	2.5	1.5	1.7	2.7	2.5	2.5	1.7

Semester – 3rd

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Computer Organisation& Architecture

Semester – 3rd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	2	2	3	1	1	2	3	2	2
CO2	3	2	3	2	2	1	2	3	3	2	1
CO3	2	2	3	2	3	2	1	3	3	2	2

Avg.	2.6	2.3	2.6	2	2.6	1.3	1.3	2.6	3	2	1.6

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Programming in Python

Semester – 4th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	2	3	3	2	3	1	1	2	3	3	2
CO2	2	3	3	2	3	1	2	2	3	3	2
CO3	2	2	3	3	3	2	1	3	2	3	2

CO4	2	3	3	2	3	2	1	2	3	2	1
Avg.	2	2.7	3	2.2	3	1.5	1.2	2.2	2.7	2.7	1.7

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Computer Networks

Semester – 4th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	2	2	2	2	2	1	2	2	2	2	1
CO2	2	2	2	2	2	1	2	2	2	2	1
CO3	2	2	1	2	2	2	1	2	1	2	2
CO4	2	3	3	3	3	2	2	2	3	3	2

Avg.	2	2.2	2	2.2	2.2	1.5	1.7	2	2	2.2	1.5

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Web Technology

Semester – 4th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	2	2	2	2	2	1	2	2	2	2	1
CO2	2	2	1	2	2	2	1	2	2	2	1
CO3	2	2	1	2	1	2	2	2	2	1	2
CO4	2	3	3	3	3	2	2	3	3	2	2
Avg.	2	2.2	1.7	2.2	2	1.7	1.7	2.2	2.2	1.7	1.5

MAPPING OF COs, POs and PSOs

Programme Name-BCA (IT & Multimedia)

Course Name-Environmental Science

Semester – 4th

C3Os	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	1	1	2	1	1	3	3	1	1	1	2
CO2	1	2	1	2	1	3	2	1	2	1	2
CO3	1	1	2	1	1	2	3	1	1	2	2
Avg.	1	1.3	1.6	1.3	1	2.6	2.6	1	1.3	1.3	2

MAPPING OF COs, POs and PSOs

Programme Name -BCA (IT & Multimedia)

Course Name-Software Engineering

Semester – 4th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	1	3	3	1	3	1	2	3	3
CO2	3	2	3	3	3	1	1	1	3	2	2
CO3	2	1	2	1	1	1	2	1	2	1	1
CO4	3	1	1	1	1	2	1	2	2	2	3
Avg.	2.7	1.5	1.7	2	2	1.2	1.7	1.2	2.2	2	2.2

MAPPING OF COs, POs and PSOs

Programme Name-BCA(IT & Multimedia)

Course Name-GUI Programming using .NET Framework

Semester -- 5th

COs	PO1	PO2	PO3	PO4	PO5	PO6	P07	P08	PSO1	PS02	PSO3
CO1	2	3	3	2	3	1	1	2	3	3	2
CO2	2	3	3	2	3	1	1	2	3	3	2
CO3	2	2	3	3	3	2	1	3	2	3	2
CO4	2	3	3	2	3	2	1	2	3	2	1
Avg.	2	2.7	3	2.2	3	1.5	1	2.2	2.7	2.7	1.7

MAPPING OF COs, POs and PSOs

Programme Name--BCA(IT & Multimedia)

Course Name-Artificial Intelligence & Virtual Reality(AIVR)

Semester – 5TH

COs	PO1	PO2	PO3	PO4	PO5	PO6	P07	P0S	PSO1	PS02	PSO3
CO1	3	2	1	3	3	1	3	1	2	3	3
CO2	3	2	3	3	3	1	1	1	3	2	2
CO3	2	1	2	1	1	1	2	1	2	1	1
CO4	3	1	1	1	2	2	1	2	2	2	3
Avg.	2.7	1.5	1.7	2	2.2	1.2	1.7	1.2	2.2	2	2.2

MAPPING OF COs, POs and PSOs

Programme Name-BCA(IT & MULTIMEDIA)

Course Name-Indian Knowledge System

Semester – 5TH

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	P08	PSO1	PSO2	PS03
CO1	1	2	1	1	1	3	3	1	1	1	2
CO2	1	2	2	1	1	3	3	2	1	1	2
CO3	1	2	1	2	2	3	3	1	2	1	2
CO4	1	3	1	2	2	3	3	1	2	1	2
Avg.	1	2.2	1.2	1.5	1.5	3	3	1.2	1.5	1	2

MAPPING OF COs, POs and PSOs

Programme Name-BCA(IT & Multimedia)

Course Name-Introduction to Cloud Computing

Semester – 5th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	P08	PSO1	PSO1	PSO3
CO1	2	1	2	3	2	1	1	1	2	2	2
CO2	2	1	2	3	2	1	2	1	2	2	2
CO3	1	2	3	3	2	2	2	2	3	2	2
CO4	2	1	3	2	2	1	2	2	3	2	2
Avg.	1.7	1.2	2.5	2.7	2	1.2	1.7	1.5	2.5	2	2

MAPPING OF COs, POs and PSOs

Programme Name-BCA(IT & Multimedia)

Course Name-Industrial Training

Semester – 5TH

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PS02	PSO3
CO1	3	3	3	3	3	2	2	3	3	3	3
CO2	2	3	3	2	3	2	2	3	3	3	3
CO3	2	2	2	3	3	2	2	3	2	2	3
CO4	1	2	3	3	2	2	3	2	1	2	2
Avg.	2	2.5	2.7	2.7	2.7	2	2.2	2.7	2.2	2.5	2.7

MAPPING OF COs, POs and PSOs

Programme Name-BCA(IT & Multimedia)

Course Name-Introduction to Data Science

Semester – 6TH

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	2	2	2	3	2	2	2	2	2	2	2
CO2	2	1	2	3	2	2	3	2	2	2	2
CO3	1	2	3	3	2	3	2	2	3	2	2
CO4	2	2	3	2	2	2	2	2	3	2	2
Avg.	1.7	1.7	2.5	2.7	2	2.2	2.2	2	2.5	2	2

MAPPING OF COs, POs and PSOs

Programme Name-BCA(It & Multimedia)

Course Name-Internet of Things

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	2	2	2	2	2	3	3	3	2
CO2	3	2	2	2	2	2	2	3	3	3	2
CO3	2	3	3	2	3	2	2	2	2	2	2
CO4	2	3	2	2	2	2	2	3	2	3	3
Avg.	2.5	2.5	2.2	2	2.2	2	2	2.7	2.5	2.7	2.2

MAPPING OF COs, POs and PSOs

Programme NameBCA(It & Multimedia)

Course Name-IT Act&Cyber Awareness

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	2	2	2	2	3	2	2	3	3	3	2
CO2	1	2	3	2	2	3	2	2	2	2	3
CO3	2	2	2	3	3	2	2	3	3	3	2
CO4	1	2	3	2	2	3	2	2	2	2	3
Avg.	1.5	2	2.5	2.2	2.5	2.5	2	2.5	2.5	2.5	2.5

MAPPING OF COs, POs and PSOs

Programme Name -BCA(IT & Multimedia)

Course Name-Software Testing

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	1	3	3	1	3	1	2	3	3
CO2	3	2	3	3	3	2	2	2	3	2	2
CO3	2	2	2	2	2	2	2	2	2	1	2
CO4	3	2	1	2	1	2	2	2	3	2	3
Avg.	2.7	2	1.7	2.5	2.2	1.7	2.2	1.7	2.5	2	2.5

MAPPING OF COs, POs and PSOs

Programme Name- B A (Mass Communication)

Course Name- Major Project

Semester - 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	2	2	3	3	3	3
CO2	2	3	3	2	3	3	3	3	3	3	3
CO3	2	2	2	3	3	2	2	3	2	2	3
CO4	2	2	3	3	2	2	3	2	2	2	2
Avg.	2.2	2.5	2.7	2.7	2.7	2.2	2.5	2.7	2.2	2.5	2.7

02. Once entered for Cos, Pos& PSOs, calculate the average. The score ofEach course average would require during the mapping of the Cos, Pos, andPSOs of the Program. As depicted below:

Sem.	Course Code	Course Title	Credit	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO 1	PSO 2	PSO 3
I	1602101	Computer Fundamental & PC Software	4	2.7	1.5	1.7	2	2	1.2	1.7	1.7	2	2.2	2.2
	1602102	Programming in 'C'	4	1.5	3	2.7	2.5	2.5	1	1.5	3	2.7	2.5	2.7
	1602103	Principles of Management	4	1.2	2.2	1.5	2	2.5	2.2	2.5	2.2	1.2	2	1.7
	1602104	Basic Mathematics & Statistics	4	2	3	2	2.6	2.6	1	1.3	1.3	2.3	1.6	1.3
	1602105	Communicativ e English	4	1	1.6	1.3	1.3	1.6	2.6	2.6	2.3	1	1.6	2
II	1602201	Data Structure using 'C'	4	1.6	2.3	1.3	2.3	2.3	1	1	2.3	2.3	2	1
	1602202	Introduction to Database System	4	1.2	2.2	2.7	2.5	2.5	1.2	1.5	3	2.5	2	1.7
	1602203	Business Organisation& Management	4	1	2	1.2	2.2	2.5	1.2	1.7	2	1.2	1.7	2
	1602204	Human Values & Ethics	4	1	2.2	1.2	1.5	1.5	3	3	1	1.2	1	2
	1602205	Foundations of Information Technology	4	2.3	1.6	2.3	2	2,3	1	1.3	2.6	2.6	2.6	1.6
III	1602301	Object-oriented Programming using 'JAVA'	4	2	2.6	3	2.3	3	1.3	1	2.3	2.6	3	2
	1602302	Operating System	4	2	2.3	1.3	2.3	2.3	1	1.6	1.6	2	2.3	1.3
	1602303	Computer Graphics, Multimedia &	4	1.2	2.5	3	2.5	2.5	1.5	1.7	2.2	2.7	2	2.2

		Animation												
	1602304	IT Enabled Services & Application	4	2	1.7	2.5	2.2	2.5	1.5	1.7	2.7	2.5	2.5	1.7
	1602305	Computer Organisation& Architecture	4	2.6	2.3	2.6	2	2.6	1.3	1.3	2.6	3	2	1.6
IV	1602401	Programming in Python	4	2	2.7	3	2.2	3	1.5	1.2	2.2	2.7	2.7	1.7
	1602402	Computer Networks	4	2	2.2	2	2.2	2.2	1.5	1.7	2	2	2.2	1.5
	1602403	Web Technology	4	2	2.2	1.7	2.2	2	1.7	1.7	2.2	2.2	1.7	1.5
	1602404	Environmental Science	4	1	1.3	1.6	1.3	1	2.6	2.6	1	1.3	1.3	2
	1602405	Software Engineering	4	2.7	1.5	1.7	2	2	1.7	1.7	1.2	2.2	2	2.2
V	1602501	GUI Programming using .NET Framework	4	2	2.7	3	2.2	3	1.5	1	2.2	2.7	2.7	1.7
	1602502	Artificial Intelligence & Virtual Reality (AIVR)	4	2.7	1.5	1.7	2	2.2	1.2	1.7	1.2	2.2	2	2.2
	1602503	Indian Knowledge System	4	1	2.2	1.2	1.5	1.5	3	3	1.2	1.5	1	2
	1602505	Introduction to Cloud Computing	4	1.7	1.2	2.5	2.7	2	1.2	1.7	1.5	2.5	2	2
	1602504	Industrial Training	4	2	2.5	2.7	2.7	2.7	2	2.2	2.7	2.2	2.5	2.7
VI	1602601	Introduction to Data Science	4	1.7	1.7	2.5	2.7	2	2.2	2.2	2	2.5	2	2
	1602602	Internet of Things (IoT)	4	2.5	2.5	2.2	2	2.2	2	2	2.7	2.5	2.7	2.2
	1602603	IT Act & Cyber	4	1.5	2	2.5	2.2	2.5	2.5	2	2.5	2.5	2.5	2.5

		Awareness												
	1602605	Software Testing	4	2.7	2	1.7	2.5	2.2	1.7	2.2	1.7	2.5	2	2.5
	1602604	Major Project	4	2.2	2.5	2.7	2.7	2.7	2.2	2.5	2.7	2.5	2.5	2.7
Avg.				1.8	2.1	2.1	2.1	2.2	1.6	1.8	2.1	2.2	2.1	1.9

Note: C – Credits, Program Outcome, PSO - Outcome

Course Articulation Matrix: (Mapping of COs with POs)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Human Resource Management(16201)	CO1	undestanding concept related to manpower need,accessing performance compensation	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	analyzing and accessing manpower	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	understanmding concepts of job analysis and	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	developmig and executing plans and system for	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	2	2.5	1.5	2	2	2	2	2	1.8	2	2	2	1	2	2	1.3

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Service Marketing(16202)	CO1	understanding the role annd function of marketing in an organisation	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	understanding marketing concepts,theories and techniques of marketing.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	applying various marketing concept framework theories and techniques to varous marketing content.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Developing a comprehensive marketing plan for an organisaton and taking operational decision for marketiong plan implemnentation	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	2	1.8	1.8	2	1.3	2	2	1	1.8	2	2	1	2	2	2	1.3

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Strategic Management(16203)	CO1	Understanding the various concepts and	3	2	2	2	3	2	2	3	3	3	3	3	2	3	3	3
	CO2	understanding tools and techniques used in strategic management and levels strategic	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
	CO3	Formatng corporate and business strategies based on strategic analysis	1	1	2	2	2	2	2	2	1	1	1	1	2	1	1	1
	CO4	Implementing strategy and applying evolution and control techniques	2	2	3	3	3	3	3	3	3	2	3	2	2	3	2	3
		Average	2	1.5	2	2	2.3	2	2	2	2	2	2	2	2	2	2	2

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8

Financial Management(16204)	CO1	process of financial management structure and function of financial market.	3	2	2	3	2	2	3	2	3	3	2	3	2	2	3	2
	CO2	Understanding the indian financial system and recognising the need of financial planning	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CO3	Understandng and analaysing the structure and functions of financial instrument.	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1
	CO4	Analysing and estimating the requiremnt of fund and cost of capital for various sourcrs of funds	1	3	3	1	2	3	1	2	2	2	3	1	2	3	1	2
		Average	2	2	2	2	1.5	2	2	2	1.8	2	2	2	2	2	2	1.5

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Biostatistics(16205)	CO1	explainthe concepts and staiscal techniques and used to analyze business data.	3	2	2	3	1	2	3	1	3	3	2	3	2	2	3	2
	CO2	Use the essential tools of applied statistics,including data analysis basic probability models sampling.	3	2	2	2	2	2	2	2	1	2	1	2	2	1	2	2
	CO3	Use statiscal analysing as decision support in business.	3	3	1	1	1	1	1	1	2	1	2	1	1	2	1	1
	CO4	understand the complex and dynamic and multidimensional issues and involved in statiscal of business.	3	2	1	1	2	1	1	2	1	2	1	1	1	1	1	1
		Average	3	2.3	1.5	2	1.5	2	2	2	1.8	2	2	2	2	2	2	1.5

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Management of Intellectual Property Rights(16206)	CO1	Understanding the basics of patient and copywright and other acts of IPR	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding the documentation process of applying the patient	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	Understaning the information in pateint documents which provides useful insights.	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	developing new ideas which can be registerd for patient	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	2	1.5	2	2	2.3	2	2	2	1.3	2	2	2	2	2	2	2

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8

Entrepreneurship Development(16207)	CO1	understanding the concept,theories,tools and technique and methods and related to entreprenuership	3	2	2	3	1	2	3	1	3	3	2	3	3	3	2	3
	CO2	analysing business situation including enable and restricted issues and available resources.	1	2	1	2	2	1	2	2	2	2	2	1	2	2	2	1
	CO3	Applying concept,techniues nd methods for success of enterprise	2	1	2	1	2	2	1	2	2	1	1	1	2	1	1	1
	CO4	decision about product finance and function of	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Average	2	1.5	1.5	2	1.5	2	2	2	2	2	2	2	2	2	2	1.5
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																			

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Manegerial Economics(16211)	CO1	economics.	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	Understanding the concept and theories of cost and production and revenue	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	apply the demeand laws and accessing the economic position of a company	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	Apply the marginal analysis to acess different market conditions	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	2	1.5	2	2	2.3	2	2	2	1.3	2	2	2	2	2	2	2
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Legal Aspects Of Business(16212)	CO1	Understanding ana analysing different types of agreement and contract in business life.	3	2	2	3	1	2	3	1	3	3	2	3	3	3	2	3
		Average	3	2	2	3	1	2	3	1	3	3	2	3	3	3	2	3

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Operation Research	CO1	Identifyi ng and Developing operational	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	Understanding the matematical tools that are	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	understanding the uses of mathematical software to solve.	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	Developing a report that describes the models	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1.8	2.5	1.5	1.5	2	2	2	2	1.75	2	2	2	1.3	2	2	1.25
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8

Quantative techniques for managers	CO1	Understanding the concepts of business decisions	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	Analyzing various techniques used in making business	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	Applying various optimization and tools making	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	Evaluating various tools and techniques to solve business problems	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1.8	2.5	1.5	1.5	2	2	2	2	1.75	2	2	2	1.3	2	2	1.25
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		

Course Articulation Matrix: (Mapping of COs with POs)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Principal of Management (16132)	CO1	understanding the role of a manager and its relation to the organizations mission.	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	understanding key management concepts, queries, philosophies,its evaluation , basic functions and skills.	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	analysing the enfluence of historical msanagment thoughts on the current practice of management	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	applying various managment concepts , theories for an effective mangement of business organization	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1.75	2.5	1.5	1.5	2	2	1.75	2	1.75	2	1.75	2	1.25	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Organizational Behavior (16133)	CO1	understanding the concepts anchored to oby and its evoletion	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	understanding and analysing the behavioural concepts related to individuals like perception , attitude , personality and learnin g.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	understanding and applying the theory of motivation , leadership for effective teamand organizational management.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	accessing and analysing the group dynamics and develop sound interpersonal relationship for effective group behaviour	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital & Healthcare Environment (16131)	CO1	understanding the role of a manager and its relations to the organization mission.	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	u nderstanding key " management " concepts , theories, philosophies, its evolution, basic functions and managial skills.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	applying various managment concepts , theories for an effective mangement of business organization	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Evaluating social responsibility and ethical issues involved in business situations and logically articulate company's position on such issues.	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Communication & Report writing in Hospital(16134)	CO1	understanding the basics of business communication , process and types.	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	understanding the barriers of communication , importance of listening skills.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	applyin g technics of effective communication- both verbal and non verbal.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	creating and effective presentation using slides and other visual aids.	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Human Values & Professional Ethics (16136)	CO1	understanding concepts of human values and professional ethics.	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	Applying sanyam and swasthya practices in life.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	Applying human values and developing harmony amongself - family and society.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Evaluating self and professional requirements to become good citizen and ethical persons.	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Computer Fundamental &Information System (16137)	CO1	understanding and describing the various input and output devices and com ponents of a computer system	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	Understanding the functions of MS Word, MS Excel, MS Powerpoint and their application.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	Understanding concepts and requirements of MIS in business organizations.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Evaluating toools , techniques and systems of MIS to suit the organizational requirements.	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Healthcare Economics (16135)	CO1	understanding the fundamental concepts and theories of economics relevant to basic organizations.	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	Understanding the concepts and theories of cost, production and revenue in relationship to business operations .	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	Applying the demand and supply laws and the economic position of a company.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Applying the marginal analysis to access different market structures.	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course Articulation Matrix: (Mapping of COs with POs)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Planning and Engineering	CO1	understanding the classification of hospitals and factors influencing utilization	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	understand the master facility plan of hospital	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	analysing the working of different deparments of hospital	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	Analysing he administraton of hospitals	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1.75	2.5	1.5	1.5	2	2.25	1.75	2	1.75	2	1.75	2	1.25	1.75	2	1.25

(~ No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Organizationh and Management of Clinical Services	CO1	understanding the dimension of hospital services	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	understanding he administrative structure of hospital	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	apply learning to manage medical record deparment	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Developing the medical the audit procedures	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.75	1.75	2	1.25	1.75	2	1.25	1.75	2	1.75	1.25	1.5	1.75	2	1.25

(~ No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Research Methadology	CO1	understanding terms concept research process and methods and related to hypothesis,research design sapling techniques,data collection	3	2	2	2	3	2	2	3	3	3	3	3	2	3	3	3
	CO2	analysing rearch question,literature,research situtation using statistical tools	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
	CO3	deciding research objectives sample size and type of data collection and analysing techniques	1	1	2	2	2	2	2	2	1	1	1	1	2	1	1	1
	CO4	developing a research plan based on scientific method in	2	2	3	3	3	3	3	3	3	2	3	2	2	3	2	3
		Average	2	1.5	2	2	2.25	2	2	2.25	2	1.75	2	1.75	2	2	1.75	2

(~ No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Healthy Policy and Healthcare Management in India	CO1	unnderstanding the various types and healthcare system of	3	2	2	3	2	2	3	2	3	3	2	3	2	2	3	2
	CO2	Apply concept of control and prevention	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CO3	developing implementing and managing various public healthcare programs	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1
	CO4	applying various principles of planning and managing in implementing health project and program	1	3	3	1	2	3	1	2	2	2	3	1	2	3	1	2
		Average	1.75	2	2	1.75	1.5	2	1.75	1.5	1.75	1.75	1.75	1.5	1.5	1.75	1.5	1.5

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital planning and designing	CO1	Understanding the classification of hospitals and factors influencing hospitals utilizion	3	2	2	3	1	2	3	1	3	3	2	3	2	2	3	2
	CO2	understand master bfacility plan of hospital and developing engineering plans	3	2	2	2	2	2	2	2	1	2	1	2	2	1	2	2
	CO3	analysing the working of different deparments of hospital	3	3	1	1	1	1	1	1	2	1	2	1	1	2	1	1
	CO4	analysing the administration of hospitals	3	2	1	1	2	1	1	2	1	2	1	1	1	1	1	1
		Average	3	2.25	1.5	1.75	1.5	1.5	1.75	1.5	1.75	2	1.5	1.75	1.5	1.5	1.75	1.5

(~ No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Medical Terminologies and procedures	CO1	Understanding the fundamental of medical terminologies	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	with all medical professionals	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	understanding common deseases associated with human being	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	developing understanding of equipment and machines used for provoedures	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

(~ No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Support services and m anagment of hazards	CO1	understand the functioning of hospital	3	2	2	3	1	2	3	1	3	3	2	3	3	3	2	3
	CO2	understand the dietary srvices and ensuring hygiene and cleaniness	1	2	1	2	2	1	2	2	2	2	2	1	2	2	2	1
	CO3	developing plans for hazardous and bio meidcal wste managment	2	1	2	1	2	2	1	2	2	1	1	1	2	1	1	1
	CO4	accessing the working of hospital during emergency services	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Average	1.75	1.5	1.5	1.75	1.5	1.5	1.75	1.5	2	1.75	1.5	1.5	2	1.75	1.5	1.5

(~ No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Purchase Management and Inventory control in Hospitals	CO1	understanding the concept of logistics mangement	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	applying various purchasing methods and inventpory controlling techniques into practice and minimising inventory	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	analysing reset practices in store management and develop new plans and policies	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	analysing the materials in storage and handling packaging	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital and Health Economics	CO1	understanding the fundamentall concept of health economics	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	applying the management tools and techniques used to design and successful organisation	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	apply the laws of healthcare in maintaing market equilibrium	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	developing plans for risk and unertainty and insurnce in healthcare management	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Public Relation Management in Hospital	CO1	understand the concept of PR in hospital	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding recent trends in Public relations in relation to healthcare services	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	implementing plans for maintaing better media relations	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	developing new PR program	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

Course			Programme Outcomes								Programme Specific Outcomes							

Course & Code	Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Cost Accounting	CO1	understanding the conceptual frmaework of cost accouting in hospital	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding the process in determination of cost of product and services	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	apply the marginal cost in decision making	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	apply the concept of responsibility accounting in hospital	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2
			Programme Outcomes								Programme Specific Outcomes							
Course & Code	Course Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Operation Management	CO1	understanding the concept of hospital operation management	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding the role of operation manager in hospitals	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	apply the techniques and policies of maintenance mangment for smooth maintenance of hospital	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	accessing the operational issues between a cushmer and supplier	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2
			Programme Outcomes								Programme Specific Outcomes							
Course & Code	Course Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Accounting For Managers	CO1	understanding duble entry system and gap principles	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding the elements of financial statements	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	prepare the journal and leger trial balance cash flow fund flow financial statements	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	apply finacial tools to analyze and iiepret the financial state of a company	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2
			Programme Outcomes								Programme Specific Outcomes							
Course & Code	Course Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Marketing Management	CO1	understanding the role and function of marketing in management	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding maketing concepts,theories and techniques of marketing	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	analysing the dynamic marketing environment and marketing strategy decision	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	apply various marketing conceptiual framework queries and giochniques to various marketing contant	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2
			Programme Outcomes								Programme Specific Outcomes							
Course & Code	Course Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Production and Operation Management	CO1	undersating the concept and techniques of operation and quality managemtn productivity	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	apply concept and tools of quality for inhancing customer satisfaction	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	apply the varios techniques of quality management in peoduction process	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	understanding and applying various models of inventory in production process	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

Course Articulation Matrix: (Mapping of COs with POs)

Course & Code	Course Outcomes	Course Outcomes Statement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Management of Hospital Support and utility Services (16401)	CO1	Understanding thye function8ing	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	Understanding the deitary services and ensuring hygiene cleanliness in delievery	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	Assessing the Working of hospital during emergency services.	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	Implementing and monitoring plans for controlling hospital related infections.	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1.75	2.5	1.5	1.5	2	2.25	1.75	2	1.75	2	1.75	2	1.25	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Statement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Health Insurance and Managed Care	CO1	Understanding the concept , and origin , evolution models and	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	Analyzing and comparin g theories and practices of ethics and professionalism in thye healthcare settings	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	understanding and applying contemporary developments in healthcare to access alternative management solutions in healthcare related problems	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	understanding healthcare origin, growth and policies of managed care systems	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.75	1.75	2	1.25	1.75	2	1.25	1.75	2	1.75	1.25	1.5	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Statement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Risk and Disaster Management (16402)	CO1	Understanding the functioning of Hospitals.	3	2	2	2	3	2	2	3	3	3	3	3	2	3	3	3
	CO2	Understanding the Deitaring services and ensuring hygiene and cleanliness and its delievery.	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
	CO3	Developing plans for hazardous and biomedical waste management	1	1	2	2	2	2	2	2	1	1	1	1	2	1	1	1
	CO4	Assessing the Working of hospital during emergency services.	2	2	3	3	3	3	3	3	3	2	3	2	2	3	2	3
		Average	2	1.5	2	2	2.25	2	2	2.25	2	1.75	2	1.75	2	2	1.75	2

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Statement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Laws (16406)	CO1	Understanding the fundamentals of laws related with hospital.	3	2	2	3	2	2	3	2	3	3	2	3	2	2	3	2
	CO2	Understanding the hospital laws to deal with such situations and understanding working of a	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CO3	hospital accordin g t9o the laws	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1
	CO4	understanding the medical	1	3	3	1	2	3	1	2	2	2	3	1	2	3	1	2
		Average	1.75	2	2	1.75	1.5	2	1.75	1.5	1.75	1.75	1.75	1.5	1.5	1.75	1.5	1.5

o relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correl

Course & Code	Course Outcomes	Course Outcomes Statement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Public Health System and Outreach Program (16408)	CO1	understanding the basic concepts of human health and disease , research and ethical	3	2	2	3	1	2	3	1	3	3	2	3	2	2	3	2
	CO2	Applying Principles of social justice, through the lens of cultural humility to achieve and sustain	3	2	2	2	2	2	2	2	1	2	1	2	2	1	2	2
	CO3	Understanding national health programme related to	3	3	1	1	1	1	1	1	2	1	2	1	1	2	1	1
	CO4	Analysing thye effects of multiple	3	2	1	1	2	1	1	2	1	2	1	1	1	1	1	1
		Average	3	2.25	1.5	1.75	1.5	1.5	1.75	1.5	1.75	2	1.5	1.75	1.5	1.5	1.75	1.5

o relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correl

Course & Code	Course Outcomes	Course Outcomes Statement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Quality Management (16407)	CO1	Understanding the concept, origin , evolution, models and	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	Comprehend the difference and connection between Cartesian.	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	Know the meaning of 4-vectors,	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	Comprehend the different features	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

o relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correl

Course & Code	Course Outcomes	Course Outcomes Statement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Patient Care Services (16405)	CO1	Understand hardware components of computer system such as	3	2	2	3	1	2	3	1	3	3	2	3	3	3	2	3
	CO2	Develops the ability to analyze a	1	2	1	2	2	1	2	2	2	2	2	1	2	2	2	1
	CO3	Develops the use of the Python programming language to	2	1	2	1	2	2	1	2	2	1	1	1	2	1	1	1
	CO4	Introduces the more advanced	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Average	1.75	1.5	1.5	1.75	1.5	1.5	1.75	1.5	2	1.75	1.5	1.5	2	1.75	1.5	1.5

o relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correl

Course & Code	Course Outcomes	Course Outcomes Statement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1	Understanding the concept, types roles of management information systems	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2

Hospital Information and System	CO2	Analysing and designin g and developing information systems that enhance operational goals of organization	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	Analyzing and understanding the applications of world wide web and making use of it	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	Analyzing the current information systems and software for upgradi ng the existing policies and proceduresces in hospitals	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1.75	2.5	1.5	1.5	2	2.25	1.75	2	1.75	2	1.75	2	1.25	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Management Concept and Practices	CO1	Undestanding the role of manager and its relations to the	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	Understanding key management concepts, theories, philosophies , its evolution basic functions and managerial skills	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	Analyzing the Influence of Historical Management thoughts on the current practice of management	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Applyi ng various managemnt concepts , theories , philosophies , functions for an effective management of business organization	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.75	1.75	2	1.25	1.75	2	1.25	1.75	2	1.75	1.25	1.5	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Business Environment	CO1	Understanding relationship between environment and business and various techniques and tools used for environmental analysis	3	2	2	2	3	2	2	3	3	3	3	3	2	3	3	3
	CO2	Understanding internal and external environment	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
	CO3	Appraising the analysin g the external and inte4rnal business environment for better management of an organization	1	1	2	2	2	2	2	2	1	1	1	1	2	1	1	1
	CO4	Applying the environmental analysis techniques to u nderstand and adapt to business dynamics	2	2	3	3	3	3	3	3	3	2	3	2	2	3	2	3
		Average	2	1.5	2	2	2.25	2	2	2.25	2	1.75	2	1.75	2	2	1.75	2

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

BIU COLLEGE OF MANAGEMENT

(2023-2024)

CO-PO ATTAINMENT

Attainment of Course Outcomes

1. Describe the assessment processes used together the data upon which the Evaluation of Course Outcome is based

Assessment process includes tutorial questions, assignments, seminars, internally developed assessment exams, project presentations and external exams for theory and laboratory.

ASSESSMENTPROCESSFORDATACOLLECTION

- Outcome Based Education (OBE): Assessment is done through various processes carried out by the institution to identify, analyze and evaluate data towards the achievement of Course Outcomes (COs).
- As an important exercise of Outcome-Based Education (OBE) the assessment of course outcomes is done. Initially, Course Outcomes (CO's) for each course are defined based on the Program Outcomes (PO's) and other requirements. At the end of each course, the COs are assessed and evaluated to check whether they have been attained or not.
- Assessment is carried out by the department through identification, collection, and consolidation ofdata and achievement of program Outcomes evaluated.
- Attainment is the action of achieving a standard result towards accomplishment of desired goals. Primarily attainment is the standard of academic attainment as observed from test or examinationresult.
- Examination and test results are meticulously reviewed to attain a standard result facilitating accomplishment of desired goals.
- Attainments of the Cos are measured both directly an din directly.
- Direct attainment is determined by evaluating the student's knowledge and skills from their performanceinalltherelevantassessmentmethodssuchasinternalassessments,assignments,quizand external university examination. These methods provided comprehensive summary of student learning.
- Through indirect methods like surveys and interviews, our graduate's opinions and thoughts have been analyzed.
- CO attainment for the Laboratory is continuously assessed through observation notes, record marks, viva performance and experiment marks. Assessment Process for theory courses, practical courses and project works is shown in Table 1, Table 2 and Table 3.

Table1AssessmentProcessforTheorycourses

Assessment Tool	Assessment period	Assessed by	Reviewed by
Assignment I	Once after every Three units	Subject incharge	Internal Examination committee
Assignment II			
University Exam	Once per semester	BIUCM\BIU	

Table2AssessmentProcessforPracticalCourses

Assessment Tool	Assessment period	Assessed by	Reviewed by
University Exam	Once per semester	BIUCM/BIU	

Table 3 Assessment Process for Project Work

Assessment Tool	Assessment period	Assessed by	Reviewed by
1st Review	4 weeks after commencement of class work	Review committee BIUCM/BIU	Internal Examination committee
2nd Review	4 weeks after the first review		
3rd Review	4 weeks after the Second review		

2. Record the attainment of Course Outcomes of all courses with respect to set Attainment levels

(Examples of data collection processes may include, but are not limited to, specific exam/ tutorial questions, assignments, laboratory tests, project evaluation, student portfolios(A portfolio is a collection of artifacts that demonstrate skills, personal characteristics and accomplishments created by the student during study period), internally developed assessment exams, project presentations, oral exams etc.)

Assessment of the student's learning is carried out not only by conventional methods like assignments, tutorial questions, laboratory tests, project evaluations, but also real time working models prepared by students are duly acknowledged, appreciated and demonstrated in the classroom and marks are awarded as a part of the internal assessment. An improved pedagogy strategy has been adopted through VEDIC (Vishnu Educational Development and Innovation Center) workshops and faculty development programs. This exercise has significantly strengthened our faculty, student's knowledge, skill portfolios , augmented the attainment of our Course Outcomes.

Thefollowingthreetoolsareusedtoassesstheir Courseoutcomes

1. InternalTestsand Assignments
2. UniversityExamination
3. CourseOutcomeFeedback

COsAssessmentProcess-TheoryCourses:

The attainment process of COs is taken from three assessment Tools-Internal Tests and Assignments, University Examination, and Course Outcome Feedback. Here Internal Tests, and Assignments, University Examinationare considered for direct attainment and Course Outcome Feedbackfor indirect attainment.

AssessmentTool-InternalTestsandAssignments:

As per the Curriculum of BIUCM, the student has to write two internal examinations each semester in a particular course. Each midterm exam is conducted for 30 Marks.The marks obtained for each question and corresponding COs to which these COs are mapped are collected for each subject and then CO attainment is calculated. Assignments given for each course are two, where each assignment carries 10 marks. The CO assessment is calculated by measuring the percentage of students crossing a predefined bench mark.

A correlation is established between COs and POs in the scale of 1 to 3, where 1 indicates slight correlation(low), 2 indicates moderate correlation(medium) and 3 indicate substantial correlation(high). A mapping matrix is prepared in this regard for every course in the program.

CO attainment levels can be measured based on the results of the internal assessment and external examination conducted bythe university. This is a formof direct measurement of attainment.As per university regulations, two internal assessment tests are conducted for each course in a semester. In each test, the percentageofstudentscrossingasettargetlevelineachquestioniscalculatedandthatvaluedecidesthelevelof attainment of COs which are correlated to that question.

Attainment Level 1: If percentage of students crossing the set target level is upto 60%

AttainmentLevel2: Ifpercentageofstudentscrossingthe settargetlevelisbetween60% to 80%

Attainment Level 3: If percentage of students crossing the set target level is above 80%

Assessment Tool-University Examination:

At the end of the Semester, University conducts examination for 70 marks for every course. The grade points obtained for each student is calculated to measure the attainment. After the declaration of the university results i.e. grade points are as shown in Table 4, the percentage of students crossing a set target level is measured. Here, it is ensured that the questions answered by a student covers all the course outcomes definedfor that course.

Attainment Level 1: If percentage of students crossing the set target level is upto 60%

AttainmentLevel2: Ifpercentageofstudentscrossingthe settargetlevelisbetween60%to80%

Attainment Level 3: If percentage of students crossing the set target level is above 80%

Table4UniversityExaminationGradePoints

Lettergrade	GradePoints
O	10
A+	9
A	8
B+	7
B	6
C	5
D	4
F\RA	0
AB	0
DT	0

CO Feedback methodology

At the end of the course, CO feedback forms are collected from students to get feedback on COs. For each CO a question is prepared and that questionnaire is shared withstudents. For example, if a course has six COs, then six questions are asked. The student is expected to grade Excellent, Very Good, Good, Satisfactory and Poor. These feedback forms are collected and the data is consolidated.

Course Outcome Attainment:

The attainment process is explained through an example

Direct attainment

AttainmentlevelthroughUniversityExaminationconsideredasModeratei.e.2 Attainment level through Internal Examination considered as Moderate i.e. 2 Attainment level through Assignment considered as Substantial i.e. 3

Indirect attainment

It is measured from thecourseoutcomefeedbackgivenbystudentsforacourse,letsassumethatitisat Substantial level i.e, 3

COs

Attainment of Program Outcomes and Program Specific Outcomes

1. Describetheassessment toolsandprocessesusedformeasuringtheattainmentofeachofthe Program Outcomes and Program Specific Outcomes

POassessmentisdoneusingbothdirectassessmenttoolsandindirectassessmenttools Direct

assessment Tools:

Someofthedirectassessment toolsusedfordirectattainmentaredescribedasfollows.
InternalExamTest-IandII:AsperUniversityschedule,InternalExamTest–IandIIare conducted.

Project presentation: Projectpresentationis conductedthrice in the final semester,reviewed and assessed by Project Review Committee.

University Exam: The University Exam is conducted once per semester. The University Lab Exam is assessedby Internal and External Examiners appointed by University.

The University Theory exams are evaluated externally. The attainment of POs and PSOs is evaluated based on the semester result. Assessment process for POs and PSOs attainment is shown Table 3.6.

IndirectassessmentTools

Iindirectassessmenttoolsusedforindirectattainmentaredescribedasfollows.

Student's exit level Feedback: The attainment of POs and PSOs is evaluated on the basis of feedback collected from final year (8th Semester) students.

Alumni survey: A feedback is collected from alumni students to track the growth of our students.
Assessmentprocess for measuring the attainment of POs and PSOs for outcome-based education as shown in Figure 1

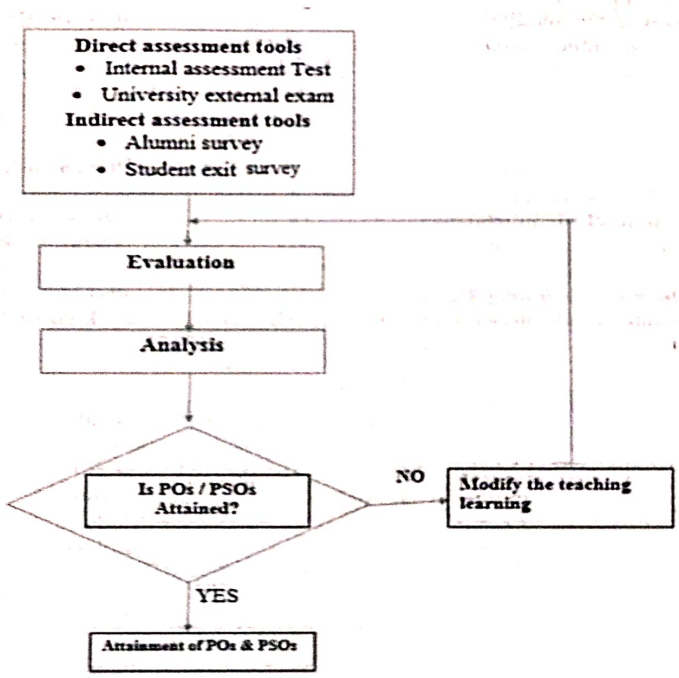


Figure1Assessmentprocessformeasuringtheattainmentof POsandPSOs.

Pos,PSOs

Table6AssessmenttoolsforPOsandPSOsattainment

AssessmentType	Assessmentmethod	Assessmentperiod	AssessedandReviewed by
	Assignment I and II	Once after every Three units	SubjectIn-charge&InternalExamination committee
	University Exam	Onceper semester	ExternalAssessmentand Valuation.ResultsareExternallyreviewed by BIUCM.
Indirect assesment	Student Exit survey	Onceper year	Facultycoordinator
	Alumni Survey	Onceperyear	Facultycoordinator

Indirect Assessment

Surveys,Analysis,customizedtoanaveragevalueasperlevels1,2&3.Assumedlevel-2

PO Attainment

Note: Similar table is to be prepared for PSOs

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Principles of Management

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	1	3	2	2	2	2
CO2	3	2	3	2	3	1	2	3	1
CO3	3	2	3	1	3	1	2	2	1
Co4	3	2	3	1	3	1	2	2	1
Avg.	2.7	2	2.7	1.2	3	1.2	2	2.2	1.2

MAPPING OF COs, POs andPSOs

Programme Name-BBA (F&T)

Course Name-Basic Accountancy

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	2	2	2	3
CO2	1	3	1	3	2	2	3	3	3
CO3	1	2	1	3	2	2	1	2	3
CO4	1	2	1	3	2	2	1	2	3
Avg.	2.6	2	2.3	2	2.6	1.6	2	1.3	3

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Business Mathematics & Statistics

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	3	3	1	3	1	3
CO2	2	2	2	3	3	2	1	1	3
CO3	2	3	2	3	3	3	3	1	3
CO4	1	3	2	3	2	3	3	2	3
Avg.	1.2	2.5	2	3	2.7	2.25	2.5	1.2	3

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Business Communication

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	2	3	1	3	3	1	2	1
CO2	3	2	3	1	3	3	2	1	2
CO3	3	2	3	2	2	2	1	2	3
CO4	3	2	3	1	3	3	2	1	2
Avg.	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Basics of computer Application

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	2	3	1	3	3	1	2	1
CO2	3	2	3	1	3	3	2	1	2
CO3	2	2	3	2	2	2	1	2	3
CO4	3	2	3	1	3	3	2	1	2
Avg.	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Management Information System

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	1	3	2	2	2	2
CO2	3	2	3	2	3	1	2	3	1
CO3	3	2	3	1	3	2	2	2	1
CO4	3	2	3	1	3	1	2	2	1
Avg.	2.7	2	2.7	1.2	3	1.5	2	2.2	1.2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Human Resource Management

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	1	2	1	2	2
CO2	2	1	2	1	3	2	2	1	1
CO3	2	1	3	1	1	1	1	2	1
CO4	2	1	2	2	1	2	1	2	2
Avg.	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Operation Research

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	2	3	1	1	3	2
CO2	2	2	3	2	3	1	2	3	2
CO3	1	2	3	1	3	2	1	3	1
CO4	1	2	2	3	3	3	3	3	2
Avg.	1.5	2	2.7	2	3	1.7	1.7	3	1.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Computer Application in Business

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	2	3	1	3	3	1	2	1
CO2	3	2	3	1	3	3	2	1	2
CO3	2	2	3	2	2	2	1	2	3
CO4	3	2	3	1	3	3	2	1	2
Avg.	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F &T)

Course Name-Human Values and Professional Ethics

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	1	1	1	2	3
CO2	1	2	2	1	1	1	1	2	2
CO3	1	2	1	2	2	2	1	2	2
CO4	1	3	1	2	2	1	1	2	1
Avg.	1	2.2	1.2	1.5	1.5	1.2	1	2	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(Finance And Taxation)

Course Name-Fundamentals of Financial Management

Semester - III

COs	PO1	PO2	PO3	PO4	PO5	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	3	1	2
CO2	2	1	2	2	3	3	1	3
CO3	2	2	1	3	3	1	2	2
CO4	2	2	1	3	3	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	1	1.4	2.2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (Finance and Taxation)
Course Name-Company Corporate Law

Semester-III

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	1	3	1	3
CO2	1	2	1	1	3	1	3	1	3
CO3	2	3	1	1	2	3	1	2	1
CO4	1	2	2	2	3	1	3	2	1
Avg	1.2	2.2	1.2	1.2	2.7	1.4	2.5	1.4	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(Finance and Taxation)

Course Name-Principles of Marketing

Semester – III

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	2	3	1	2	3	3
CO2	1	2	1	3	3	2	3	2	3
CO3	2	1	3	1	3	3	2	3	2
CO4	1	2	2	3	3	2	3	2	3
Avg.	1.4	1.7	2.2	2.2	3	2	2.5	2.5	2.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA (Finance and Taxation)

Course Name-Cost and Account Management

Semester – III

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	2	3	1	2
CO2	2	1	2	2	3	1	3	1	3
CO3	2	2	1	3	3	1	1	2	2
CO4	2	2	1	3	3	1	1	2	2
Avg.	1.7	1.7	1.4	2.5	2.5	1.2	2	1.4	2.2

MAPPING OF COs, POs and PSOs

Programme Name- BBA (Finance and Taxation)

Course Name-Business Economics & Indian Economy

Semester - III

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	2	1	3	3	2	3	1	3
CO2	2	3	2	2	3	2	2	2	3
CO3	1	3	2	3	3	2	3	1	3
CO4	1	1	2	3	3	3	3	2	3
Avg.	1.7	2.2	1.75	2.75	3	2.5	2.7	1.5	3

MAPPING OF COs, POs and PSOs

Programme Name-BBA (Finance and Taxation)

Course Name-Financial Services

Semester –IV

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	2	3	1	2
CO2	2	1	2	2	3	1	3	1	3
CO3	2	2	1	3	3	1	1	2	2
CO4	2	2	1	3	3	1	1	2	2
Avg.	1.75	1.75	1.5	2.5	2.5	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (Finance and Taxation)

Course Name-Supply Chain Management

Semester – IV

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	1	2	1	2	2
CO2	2	1	2	1	3	2	2	1	1
CO3	2	1	3	1	1	1	1	2	1
CO4	2	1	2	2	1	2	1	2	2
Avg.	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5

MAPPING OF COs, POs and PSOs

Programme Name-BBA (Finance and Taxation)

Course Name-Corporate Management

Semester – IV

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	1	3	1	3
CO2	1	2	2	1	3	1	3	1	3
CO3	2	3	1	2	2	3	1	2	1
CO4	1	2	2	2	3	1	3	2	1
Avg.	1.2	2.2	1.5	1.5	2.7	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F &T)

Course Name –FinancialReports & Auditing

Semester – IV

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	1	2	3	1	3	2
CO2	2	2	3	3	3	2	1	3	2
CO3	2	2	3	3	3	2	1	3	2
CO4	3	3	2	3	3	3	2	1	2
Avg.	2.2	2.5	2.7	2.5	2.7	2.5	1.2	2.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F &T)

Course Name -Environmental Science

Semester – IV

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	-	-	2	1	1	2
CO2	1	2	2	1	1	2	2	1	2
CO3	2	2	2	1	1	2	1	1	2
CO4	2	1	1	2	2	3	3	1	1
Avg.	1.5	1.7	1.7	1	1	2.2	1.7	1	1.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Goods & Services Tax

Semester -- 5th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	1	3	1	3
CO2	1	2	1	1	3	1	3	1	3
CO3	2	3	1	1	2	3	1	2	1
Co4	1	2	2	2	3	1	3	2	1
Avg.	1.2	2.2	1.2	1.2	2.7	1.5	2.5	1.5	2.5

MAPPING OF COs, POs andPSOs

Programme Name-BBA (F&T)

Course Name-Banking and Insurance

Semester -- 5th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	1	1	3	3	1	3	1	3
CO2	1	1	1	3	3	1	3	1	3
CO3	1	2	2	3	3	2	3	2	3
CO4	2	2	1	3	2	2	2	1	2
Avg.	1.2	1.5	1.2	3	2.7	1.5	2.7	1.2	2.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Labour & Industrial law

Semester – 5th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	1	3	1	3
CO2	1	2	1	1	3	1	3	1	3
CO3	2	3	1	1	2	3	1	2	1
CO4	1	2	2	2	3	1	3	2	1
Avg.	1.2	2.2	1.2	1.2	2.7	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name- Customer Relationship Management

Semester – 5th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	1	2	1	2	2
CO2	2	1	2	1	3	2	2	1	1
CO3	2	1	3	1	1	1	1	2	1
CO4	2	1	2	2	1	2	1	2	2
Avg.	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Indian Knowledge System

Semester -- 5th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	1	-	2	3	3	2	2	2
CO2	3	3	3	2	3	3	2	1	2
CO3	2	2	2	1	2	2	1	2	1
CO4	3	1	1	2	1	3	2	1	2
Avg.	2.7	1.7	1.5	1.7	2.2	2.7	1.7	1.5	1.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Risk Management

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	1	1	2	1	3	2
CO2	3	2	2	2	3	2	2	3	2
CO3	3	2	2	2	3	2	2	3	2
CO4	2	3	2	3	2	3	2	2	2
Avg.	2.5	2.2	2.2	2	2.2	2.2	1.7	2.7	2

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Consumer Behaviour

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	1	2	2	1	2	1
CO2	2	2	2	1	2	2	2	2	2
CO3	2	1	2	2	1	2	2	2	1
CO4	2	2	2	2	1	2	1	2	2
Avg.	2	1.7	2	1.5	1.5	2	1.7	2	1.5

MAPPING OF COs, POs and PSOs

Programme Name-BBA (F&T)

Course Name-Research Methodology

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	2	3	1	1	3	2
CO2	2	2	3	2	3	1	2	3	2
CO3	1	2	3	1	3	2	1	3	1
CO4	1	2	2	3	3	3	3	3	2
Avg.	1.5	2	2.7	2	3	1.7	1.7	3	1.7

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Internship

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	3	3	3	1
CO2	2	3	3	2	3	3	3	3	3
CO3	2	2	2	3	3	2	2	3	2
CO4	1	2	3	3	2	1	2	2	3
Avg.	2	2.5	2.7	2.7	2.7	2.2	2.5	2	2.2

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Project

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	1	2	1	2	2
CO2	2	1	2	1	3	2	2	1	1
CO3	2	1	3	1	1	1	1	2	1
CO4	2	1	2	2	1	2	1	2	2
Avg.	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5

MAPPING OF COs, POs and PSOs

Programme Name-BBA(F&T)

Course Name-Project

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	1	2	1	2	2
CO2	2	1	2	1	3	2	2	1	1
CO3	2	1	3	1	1	1	1	2	1
CO4	2	1	2	2	1	2	1	2	2
Avg.	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5

02. Once entered for Cos, Pos& PSOs, calculate the average. The score ofEach course average would require during the mapping of the Cos, Pos, andPSOs of the Program. As depicted below:

Sem.	Course Code	Course Title	Credit	PO1	PO2	PO3	PO4	PO5	PSO 1	PSO 2	PSO 3	PSO 4
I	1641101	Principles of Management	4	2.7	2	2.7	1.2	3	1.2	2	2.2	1.2
	1641102	Basics Accountancy	4	1	2.2	1.2	2.7	1.7	2	1.7	2.2	3
	1641103	Business Mathematics and Statistics	4	1.5	2.5	2	3	2.7	2.2	2.5	1.2	3
	1641104	Business Communication	4	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2
	1641105	Basics of Computer Application	4	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2
II	1641201	Management Information System	4	2.7	2	2.7	1.2	3	1.5	2	2.2	1.2
	1641202	Human Resource Management	4	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5
	1641203	Operation Research	4	1.5	2	2.7	2	3	1.7	1.7	3	1.7
	1641204	Computer Application in Business	4	2.7	2	3	1.2	2.7	2.7	1.5	1.5	2
	1641205	Human Values and Professional Ethics	4	1	2.2	1.2	1.5	1.5	1.2	1	2	2
III	1641301	Fundamentals of Financial Management	4	1.7	1.7	1.5	2.5	2.5	1.2	2	1.5	2.2
	1641302	Company and Corporate law	4	1.2	2.2	1.2	1.2	2.7	1.5	2.5	1.5	2
	1641303	Principles of Marketing	4	1.5	1.7	2.2	2.2	3	2	2.5	2.5	2.7
	1641304	Business Economics and Indian Economy	4	1.7	2.2	1.7	2.7	3	2.2	2.7	1.5	3
	1641305	Cost and Account	4	1.7	1.7	1.5	2.5	2.5	1.2	2	1.5	2.2

		Management											
IV	1641403	Financial Services	4	1.7	1.7	1.5	2.5	2.5	1.2	2	1.5	2.2
	1641402	Supply Chain Management	4	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.2	1.5
	1641403	Corporate Management	4	1.2	2.2	1.5	1.5	2.7	1.5	2.5	1.5	2
	1641404	Environmental Science	4	1.5	1.7	1.7	1	1	2.2	1.7	1	1.7
	1641405	Financial Reports and Auditing	4	2.2	2.5	2.5	2.5	2.7	2.5	1.2	2.5	2
V	1641501	Goods and Services Tax	4	1.2	2.2	1.2	1.2	2.7	1.5	2.5	1.5	2
	1641502	Banking And Insurance	4	1.2	1.5	1.2	3	2.7	1.5	2.7	1.2	2.7
	1641504	Customer Relationship Management	4	2.2	1.5	2.2	1.5	1.5	1.7	1.2	1.7	1.5
	1641506	Labour and Industrial Laws	4	1.2	2.2	1.2	1.2	2.7	1.5	2.5	1.5	2
	1641507	Indian Knowledge System	4	2.7	1.7	1.5	1.7	2.2	2.7	1.7	1.5	1.7
VI	1641601	Risk Management	4	2.5	2.2	2.2	2	2.2	2.2	1.7	2.7	2
	1641602	Consumer Behavior	4	2	1.7	2	1.5	1.5	2	1.5	2	1.5
	1641606	Research Methodology	4	1.5	2	2.7	2	3	1.7	1.7	3	1.7
	1641607	Internship	4	2	2.5	2.7	2.7	2.7	2.2	2.5	2.7	2.2
	1641608	Project	4	2.2	2.5	2.7	2.7	2.7	2.5	2.5	2.7	2.5
Avg.				1.9	2	2	1.9	2.4	1.9	1.9	1.9	2

Note: C– Credits, Program Outcome, PSO - Outcome

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Financial Accounting

Semester - 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	1	2	2	2	3	1	2
CO2	2	1	2	2	3	2	2	1	1	3	1	3
CO3	2	2	1	3	3	2	2	2	1	1	2	2
CO4	2	2	1	3	3	2	1	3	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	1.7	1.7	2	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Principles of Management

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	1	2	1	2	2	2	3	2	1	2	1
CO2	1	2	2	2	2	2	2	3	1	2	1
CO3	1	3	2	2	3	3	3	2	1	2	2
CO4	2	2	1	2	3	2	2	2	2	2	3
Avg.	1.2	2.2	1.5	2	2.5	2.2	2.5	2.2	1.2	2	1.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Business Mathematics & Statistics

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	3	3	1	1	2	2	2	1	2
CO2	2	3	1	2	2	1	1	1	2	1	2	2
CO3	2	3	3	3	3	1	2	1	3	2	1	1
CO4	1	3	1	2	2	2	1	2	1	1	2	1
Avg.	1.7	3	1.7	2.5	2.5	1.2	1.2	1.5	2	1.5	1.5	1.5

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Communicative English

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	1	2	1	1	3	3	2	1	2	2	2
CO2	1	2	1	1	2	3	3	3	1	1	2	1
CO3	1	2	1	2	2	3	2	2	1	2	2	2
CO4	2	1	2	2	3	1	1	2	2	1	1	2
Avg.	1.2	1.5	1.5	1.5	2	2.5	2.2	2.2	1.2	1.5	1.7	1.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Computer Application

Semester – 1st

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	2	1	3	3	1	3	1	2	3	3	3
CO2	3	2	3	3	3	1	1	3	2	3	2	1
CO3	2	1	2	1	1	1	2	1	2	1	1	2
CO4	3	1	1	1	1	2	1	2	2	2	3	1
Avg.	2.7	1.5	1.7	2	2	1.2	1.7	1.7	2	2.2	2.2	1.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- E-Commerce

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	2	2	3	3	2	1	2	3	2
CO2	1	1	2	1	2	3	2	3	1	1	3	2
CO3	1	2	2	1	3	3	2	2	2	3	3	3
CO4	1	1	2	2	1	1	2	2	1	3	2	1
Avg.	1.2	1.5	1.7	1.5	2	2.5	2.2	2.2	1.2	2.2	2.7	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- E-Commerce

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	2	2	3	3	2	1	2	3	2
CO2	1	1	2	1	2	3	2	3	1	1	3	2
CO3	1	2	2	1	3	3	2	2	2	3	3	3
CO4	1	1	2	2	1	1	2	2	1	3	2	1
Avg.	1.2	1.5	1.7	1.5	2	2.5	2.2	2.2	1.2	2.2	2.7	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Micro Economics

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	1	2	1	3	2	2	1	3	1	3
CO2	2	1	1	1	1	1	1	3	1	3	3	3
CO3	3	2	1	1	1	1	3	3	2	2	2	3
CO4	3	2	2	2	2	2	1	1	2	3	2	2
Avg.	2.5	2	1.2	1.5	1.2	1.7	1.7	2.2	1.5	2.7	2	2.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Indian Constitution, Politics & Economy

Semester - 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	1	2	3	2	3	2	1	1	3
CO2	2	1	1	1	2	3	1	2	2	2	1	3
CO3	1	2	2	1	2	3	2	2	2	2	2	3
CO4	2	1	2	1	3	2	2	1	1	3	2	2
Avg.	1.5	1.5	1.7	1	2.2	2.7	1.7	2	1.7	2	1.5	2.7

MAPPING OF COs, POs and PSOs

Programme Name-B.Com (Honours)

Course Name- Computerized Accounting

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	2	2	3	3	2	1	2	3	2
CO2	1	1	2	1	2	3	2	3	1	1	3	2
CO3	1	2	2	1	3	3	2	2	2	3	3	3
CO4	1	1	2	2	1	1	2	3	1	3	2	1
Avg.	1.2	1.5	1.7	1.5	2	2.5	2.2	2.5	1.2	2.2	2.7	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Human Values & Professional Ethics

Semester – 2nd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	1	1	3	3	1	1	1	2	1
CO2	1	2	1	1	1	3	3	1	1	1	2	2
CO3	1	2	2	2	2	3	3	1	2	1	2	2
CO4	1	3	2	2	2	3	3	1	1	1	2	1
Avg.	1	2.2	1.7	1.5	1.5	3	3	1	1.2	1	2	1.5

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Cost Accounting

Semester - 3rd

COs	PO1	PO2	PO3	PO4	PO5	PO6	Po7	Po8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	3	3	1	2	3	1	2
CO2	2	1	2	2	3	2	1	2	1	3	1	3
CO3	2	2	1	3	3	3	1	2	1	1	2	2
CO4	2	2	1	3	3	1	2	1	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	2.2	1.7	1.5	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name-Business Law

Semester – 3RD

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	2	2	1	1	3	1	3
CO2	1	2	1	1	3	3	1	2	1	3	1	3
CO3	2	3	1	1	2	1	2	1	3	1	2	1
CO4	1	2	2	2	3	2	1	2	1	3	2	1
Avg.	1.2	2.2	1.2	1.2	2.7	2	1.5	1.5	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Macro Economics

Semester – 3RD

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	1	2	1	3	2	2	1	3	1	3
CO2	2	1	1	1	1	1	1	3	1	3	3	3
CO3	3	2	1	1	1	1	3	3	2	2	2	3
CO4	3	2	2	2	2	2	1	1	2	3	2	2
Avg.	2.5	2	1.2	1.5	1.2	1.7	1.7	2.2	1.2	2.7	2	2.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Fundamentals Of Information System

Semester 3rd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	1	3	1	2	3	2	2	2	2
CO2	3	2	3	2	3	2	3	1	1	2	3	1
CO3	3	2	3	1	3	2	1	3	2	2	2	1
CO4	3	2	3	1	3	1	3	2	1	2	2	1
Avg.	2.7	2	2.7	1.2	3	1.5	2.2	2.2	1.5	2	2.2	1.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name-Innovation

Semester- 3rd

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	2	2	2	3	2	2	3	1	2	1	3
CO2	2	1	1	3	2	2	1	2	2	3	2	3
CO3	2	2	1	3	3	3	1	2	1	2	3	3
CO4	3	1	1	2	1	2	1	2	1	2	2	2
Avg.	2	1.5	1.2	2.5	2.2	2.2	1.2	2.2	1.2	2.2	2	2.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Management Accounting

Semester – 4th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	2	1	1	1	3	1	3

CO2	1	2	2	1	3	1	2	2	1	3	1	3
CO3	2	3	1	2	3	2	1	3	3	1	2	1
CO4	1	2	2	2	3	2	2	1	1	3	2	1
Avg.	1.2	2.2	1.5	1.2	3	1.7	1.5	1.7	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Company & Corporate Law

Semester – 4th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	2	1	1	3	2	3	2	1	3	1	3
CO2	1	2	1	1	3	1	1	1	1	3	1	3
CO3	2	3	1	1	2	2	2	2	3	1	2	1
CO4	1	2	2	2	3	1	2	2	1	3	2	1
Avg.	1.2	2.2	1.2	1.2	2.7	1.5	2	1.7	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Human Resource Management

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	3	3	2	2	1	2	1	2	2	1	2	2
CO2	2	1	2	1	3	3	2	1	2	2	1	1
CO3	2	1	2	1	3	3	2	1	2	2	1	1
CO4	2	1	2	2	1	2	3	1	2	1	2	2
Avg.	2.2	1.5	2.2	1.5	1.5	2	2	1.7	1.7	1.2	1.7	1.5

Semester - 4th

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Enviromental Science

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	1	2	1	1	3	3	1	1	1	2	3
CO2	1	2	1	2	1	3	2	1	2	1	2	2
CO3	1	1	2	1	1	2	3	1	1	2	2	1
CO4	2	1	2	3	2	1	1	2	2	3	2	1
Avg.	1.2	1.2	1.7	1.7	1.2	2.2	2.2	1.2	1.5	1.7	2	1.7

Semester – 4th

MAPPING OF COs, POs and PSOs

Programme Name- B.Com(H)

Course Name- Digital Marketing

Semester – 4th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	3	2	3	2	2	3	2	2	3	2	3	2
CO2	2	3	2	2	2	3	1	2	3	2	3	2
CO3	3	2	2	2	3	2	1	3	3	3	2	2
CO4	2	2	3	2	3	3	1	2	2	2	3	3
Avg.	2.5	2.2	2.2	2	2.5	2.7	1.2	2.2	2.7	2.2	2.7	2.2

MAPPING OF COs, POs and PSOs

Programme Name-B.Com (Honours)

Course Name- Financial Market and Services

Semester – 5th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	2	1	3	2	3	1	2
CO2	2	1	2	2	3	1	1	2	1	3	1	3
CO3	2	2	1	3	3	3	2	1	1	1	2	2
CO4	2	2	1	3	3	2	1	3	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	2	1.2	2.2	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B Com (Honours)

Course Name- Corporate Accounting

Semester – 5th

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	1	1	2	2	3	1	2
CO2	2	1	2	2	3	2	2	1	1	3	1	3
CO3	2	2	1	3	3	3	2	1	1	1	2	2
CO4	2	2	1	3	3	2	1	3	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B Com (Honours)

Course Name- Financial Management

Semester – 5th

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	2	2	2	1	3	1	3	2	3	1	2
CO2	2	1	2	2	3	2	2	1	1	3	1	3
CO3	2	2	1	3	3	1	1	2	1	1	2	2
CO4	2	2	1	3	3	2	2	1	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Investment Management

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	2	2	2	1	3	1	3	2	3	1	2
CO2	2	1	2	2	3	2	2	1	1	3	1	3
CO3	2	2	1	3	3	1	1	2	1	1	2	2
CO4	2	2	1	3	3	2	2	1	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2

Semester – 5th

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Indian Knowledge System

Semester – 5th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	1	2	1	1	1	3	3	1	1	1	2	1
CO2	1	2	2	1	1	3	3	2	1	1	2	2
CO3	1	2	1	2	2	3	3	1	2	1	2	1
CO4	1	3	1	2	2	3	3	1	2	1	2	2
Avg.	1	2.2	1.2	1.5	1.5	3	3	1.2	1.5	1	2	1.5

MAPPING OF COs, POs and PSOs

Programme Name- B. Com (Honours)

Course Name- Organizational Behaviour

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	1	2	1	2	3	2	1	2	1
CO2	2	2	2	1	2	3	2	1	2	2	2	2

CO3	2	1	2	2	1	2	3	1	2	2	2	1
CO4	2	2	2	2	1	2	2	1	2	1	2	2
Avg.	2	1.7	2	1.5	1.5	2	2.2	1.5	2	1.5	2	1.5

MAPPING OF COs, POs and PSOs

Programme Name B. Com(Honours)

Course Name- Financial Statement Analysis & Reporting

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	1	2	2	3	1	3	1	3	2
CO2	2	2	3	3	3	2	1	3	2	1	3	2
CO3	2	2	3	3	3	3	2	1	2	1	3	2

CO3	2	1	2	2	1	2	3	1	2	2	2	1
CO4	2	2	2	2	1	2	2	1	2	1	2	2
Avg.	2	1.7	2	1.5	1.5	2	2.2	1.5	2	1.5	2	1.5

MAPPING OF COs, POs and PSOs

Programme Name B. Com(Honours)

Course Name- Financial Statement Analysis & Reporting

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	1	2	2	3	1	3	1	3	2
CO2	2	2	3	3	3	2	1	3	2	1	3	2
CO3	2	2	3	3	3	3	2	1	2	1	3	2

CO4	3	3	2	3	3	1	2	3	3	2	1	2
Avg.	2.2	2.5	2.5	2.5	2.7	2	2	2	2.5	1.2	2.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B. Com (Honours)

Course Name- Banking and other Financial Institutions

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	2	2	3	2	2	1	2	2	3
CO2	2	3	2	2	1	2	2	3	2	3	2	2
CO3	1	2	1	3	3	2	1	2	2	2	2	3
Avg.	1.6	2.3	1.3	2.3	2	2.3	1.6	2.3	1.6	2.3	2	2.6

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Entrepreneurial Development & Business Ethics

Semester - 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	1	2	3	1	3	1	3
CO2	1	2	1	1	3	3	2	1	1	3	1	3
CO3	2	3	1	1	2	2	2	1	3	1	2	1
CO4	1	2	2	2	3	3	3	1	1	3	2	1
Avg.	1.2	2.2	1.2	1.2	2.7	2.2	2.2	1.5	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (Honours)

Course Name- Internship

Semester – 6th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	1	2	1	3	3	3	1
CO2	2	3	3	2	3	1	2	3	3	3	3	3
CO3	2	2	2	3	3	2	3	2	2	2	3	2
CO4	1	2	3	3	2	3	1	2	1	2	2	3
Avg.	2	2.5	2.7	2.7	2.7	1.7	2	2	2.2	2.5	2.7	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Audit and Assurance

Semester - 7th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	1	2	2	3	1	3	1	3	2
CO2	2	2	3	3	3	2	1	3	2	1	3	2
CO3	3	2	3	3	3	3	2	1	2	1	3	2
CO4	3	3	2	3	3	1	2	3	3	2	1	2
Avg.	2.5	2.5	2.5	2.5	2.7	2	2	2	2.5	1.2	2.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Security Analysis & Portfolio Management

Semester – 7th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	2	1	1	1	3	1	3
CO2	1	2	2	1	3	1	2	2	1	3	1	3
CO3	2	3	1	2	3	2	1	3	3	1	2	1
CO4	1	2	2	2	3	2	2	1	1	3	2	1
Avg.	1.2	2.2	1.5	1.5	3	1.7	1.5	1.7	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Goods and Services Tax

Semester – 7th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	1	3	2	2	1	1	3	1	3
CO2	1	2	1	1	3	3	1	2	1	3	1	3
CO3	2	3	1	1	2	2	1	3	3	1	2	1
CO4	1	2	2	2	3	1	2	3	1	3	2	1
Avg.	1.2	2.2	1.2	1.2	2.7	2	1.5	2.2	1.5	2.5	1.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Business Research Methods

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO1	2	2	3	2	3	2	3	1	1	1	3	2
CO2	2	2	3	2	3	1	2	3	1	2	3	2
CO3	1	2	3	1	3	3	2	1	2	1	3	1
CO4	1	2	2	3	3	2	2	1	3	3	3	2
Avg.	1.5	2	2.7	2	3	2	2.2	1.5	1.7	1.7	3	1.7

Semester – 2nd

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Text Management and Practice

Semester – 4th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4

CO3	2	3	2	1	2	1	2	3	3	1	3	2
CO2	2	2	3	3	3	3	2	1	2	1	3	2
CO3	2	2	3	3	3	1	3	1	2	1	3	2
CO4	3	3	2	3	3	1	2	3	3	2	1	2
Avg.	2.2	2.5	2.5	2.5	2.7	1.7	2.2	2	2.2	1.2	2.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Principles Of Marketing

Semester – 8th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	2	3	1	2	3	1	2	3	3
CO2	1	2	1	3	3	3	2	1	2	3	2	3
CO3	2	1	3	1	3	1	3	3	3	2	3	2
CO4	1	2	2	3	3	2	2	1	2	3	2	3
Avg.	1.5	1.7	2.2	2.2	3	1.7	2.2	2	2	2.5	2.5	2.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Strategic Financial Management

Semester – 8th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	1	2	1	2	3	3	1	3	2
CO2	2	2	3	3	3	3	2	1	2	1	3	2
CO3	2	2	3	3	3	2	3	1	2	1	3	2
CO4	3	3	2	3	3	1	2	3	3	2	1	2
Avg.	2.2	2.5	2.5	2.5	2.7	1.7	2.2	2	2.5	1.2	2.5	2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Strategic Cost Management

Semester –8th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	1	2	2	2	1	2	2	1	2	3	1	2
CO2	2	1	2	2	3	3	2	1	1	3	1	3
CO3	2	2	1	3	3	1	2	3	1	1	2	2
CO4	2	2	1	3	3	1	1	2	1	1	2	2
Avg.	1.7	1.7	1.5	2.5	2.5	1.7	1.7	1.7	1.2	2	1.5	2.2

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Operation Research

Semester – 8th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	2	3	2	1	3	1	1	3	2
CO2	2	2	3	2	3	1	2	3	1	2	3	2
CO3	1	2	3	1	3	2	3	1	2	1	3	1
CO4	1	2	2	3	3	1	2	3	3	3	3	2
Avg.	1.5	2	2.7	2	3	1.5	2	2.5	1.7	1.7	3	1.7

MAPPING OF COs, POs and PSOs

Programme Name- B.Com (H)

Course Name- Project

Semester – 8th

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	3	2	3	3	3	3	2
CO2	2	3	3	2	3	3	3	3	3	3	3	2
CO3	2	2	2	3	3	2	2	3	2	2	3	3
CO4	2	2	3	3	2	2	3	2	2	2	2	2
Avg.	2.2	2.5	2.7	2.7	2.7	2.5	2.5	2.7	2.5	2.2	2.7	2.2

02. Once entered for Cos, Pos & PSOs, calculate the average. The score of Each course average would require during the mapping of the Cos, Pos, and PSOs of the Program. As depicted below:

Sem.	Course Code	Course Title	Credit	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PSO 1	PSO 2	PSO 3	PSO 4
I	1642101	Financial Accounting	4	1.7	1.7	1.5	2.5	2.5	1.7	1.7	2	1.2	2	1.5	2.2
	1642102	Principles of Management	4	1.2	2.2	1.5	2	2.5	2.2	2.5	2.2	1.2	2	1.7	-
	1642103	Business Mathematics & Statistics	4	1.7	3	1.7	2.5	2.5	1.2	1.2	1.5	2	1.5	1.5	1.5
	1642104	Communicative English	4	1.2	1.5	1.5	1.5	2	2.5	2.2	2.2	1.2	1.5	1.7	1.7
	1642105	Computer Application	4	2.7	1.5	1.7	2	2	1.2	1.7	1.7	2	2.2	2.2	1.7
II	1642201	E - Commerce	4	1.2	1.5	1.7	1.5	2	2.5	2.2	2.2	1.2	2.2	2.7	2
	1642202	Micro Economics	4	2.5	2	1.2	1.5	1.2	1.7	1.7	2.2	1.5	2.7	2	2.7
	1642203	Indian Constitution, Politics & Economy	4	1.5	1.5	1.7	1	2.2	2.7	1.7	2	1.7	2	1.5	2.7
	1642204	Computerized Accounting	4	1.2	1.5	1.7	1.5	2	2.5	2.2	2.5	1.2	2.2	2.7	2
	1642205	Human Values and Professional Ethics	4	1	2.2	1.7	1.5	1.5	3	3	1	1.2	1	2	1.5
III	1643201	Cost Accounting	4	1.7	1.7	1.5	2.5	2.5	2.2	1.7	1.5	1.2	2	1.5	2.2
	1643202	Business Law	4	1.2	2.2	1.2	1.2	2.7	2	1.5	1.5	1.5	2.5	1.5	2
	1643203	Macro Economics	4	2.5	2	1.2	1.5	1.2	1.7	1.7	2.2	1.5	2.7	2	2.7
	1643204	Fundamentals of Information System	4	2.7	2	2.7	1.2	3	1.5	2.2	2.2	1.5	2	2.2	1.2
	1643205	Innovation	4	2	1.5	1.2	2.5	2.2	2.2	1.2	2.2	1.2	2.2	2	2.7
IV	1642401	Management Accounting	4	1.2	2.2	1.5	1.5	3	1.7	1.5	1.7	1.5	2.5	1.5	2
	1642402	Company & Corporate Law	4	1.2	2.2	1.2	1.2	2.7	1.5	2	1.7	1.5	2.5	1.5	2
	1642403	Human Resource Management	4	2.2	1.5	2.2	1.5	1.5	2	2	1.7	1.7	1.2	1.7	1.5
	1642404	Environmental Science	4	1.2	1.2	1.7	1.7	1.2	2.2	2.2	1.2	1.5	1.7	2	1.7
	1642405	Digital Marketing	4	2.5	2.2	2.5	2	2.5	2.7	1.2	2.2	2.7	2.2	2.7	2.2
V	1642501	Financial Market & Services	4	1.7	1.7	1.5	2.5	2.5	2	1.2	2.2	1.2	2	1.5	2.2
	1642502	Corporate Accounting	4	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2
	1642503	Financial Management	4	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2
	1642504	Investment Management	4	1.7	1.7	1.5	2.5	2.5	2	1.5	1.7	1.2	2	1.5	2.2

	1642505	Indian Knowledge System	4	1	2.2	1.2	1.5	1.5	3	3	1.2	1.5	1	2	1.5
VI	1642601	Organizational Behavior	4	2	1.7	2	1.5	1.5	2	2.2	1.5	2	1.5	2	1.5
	1642602	Financial Statement Analysis & Reporting	4	2.2	2.5	2.5	2.5	2.7	2	2	2	2.5	1.2	2.5	2
	1642603	Banking and Other Financial Institution	4	1.6	2.3	1.3	2.3	2	2.3	1.6	2.3	1.6	2.3	2	2.6
	1642604	Entrepreneurial Development & Business Ethics	4	1.2	2.2	1.2	1.2	2.7	2.2	2.2	1.5	1.5	2.5	1.5	2
	1642605	Internship	4	2	2.5	2.7	2.7	2.7	1.7	2	2	2.2	2.5	2.7	2.2
VII	1642701	Audit & Assurance	4	2.5	2.5	2.5	2.5	2.7	2	2	2	2.5	1.2	2.5	2
	1642702	Security Analysis & Portfolio Management	4	1.2	2.2	1.5	1.5	3	1.7	1.5	1.7	1.5	2.5	1.5	2
	1642703	Goods & Services Tax	4	1.2	2.2	1.2	1.2	2.7	2	1.5	2.2	1.5	2.5	1.5	2
	1642704	Business Research Methods	4	1.5	2	2.7	2	3	2	2.2	1.5	1.7	1.7	3	1.7
	1642705	Tax Management & Practice	4	2.2	2.5	2.5	2.5	2.7	1.7	2.2	2	2.5	1.2	2.5	2
VIII	1642801	Principles of Marketing	4	1.5	1.7	2.2	2.2	3	1.7	2.2	2	2	2.5	2.5	2.7
	1642802	Strategic Financial Management	4	2.2	2.5	2.5	2.5	2.7	1.7	2.2	2	2.5	1.2	2.5	2
	1642803	Strategic Cost Management	4	1.7	1.7	1.5	2.5	2.5	1.7	1.7	1.7	1.2	2	1.5	2.2
	1642804	Operation Research	4	1.5	2	2.7	2	3	1.5	2	2.5	1.7	1.7	3	1.7
	1642805	Project	4	2.2	2.5	2.7	2.7	2.7	2.5	2.5	2.7	2.5	2.5	2.7	2.2
Avg.				1.9	1.7	1.8	1.9	2.3	2	1.9	1.9	1.6	1.9	2	1.9

Note: C – Credits, Program Outcome, PSO - Outcome

Course Articulation Matrix: (Mapping of COs with POs)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Human Resource Management(16201)	CO1	undestanding concept related to manpower need,accessing performance compensation	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	analyzing and accessing manpower	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	understanmding concepts of job analysis and	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	developing and executing plans and system for	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	2	2.5	1.5	2	2	2	2	2	1.8	2	2	2	1	2	2	1.3
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Service Marketing(16202)	CO1	understanding the role annd function of marketing in an organisation	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	understanding marketing concepts,theories and techniques of marketing.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	applying various marketing concept framework theories and techniques to varous marketing content.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Developing a comprehensive marketing plan for an organisaton and taking operational decision for marketiong plan implemnentation	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	2	1.8	1.8	2	1.3	2	2	1	1.8	2	2	1	2	2	2	1.3
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Strategic Management(16203)	CO1	Understanding the various concepts and	3	2	2	2	3	2	2	3	3	3	3	3	2	3	3	3
	CO2	understanding tools and techniques used in strategic management and levels strategic	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
	CO3	Formatng corporate and business strategies based on strategic analysis	1	1	2	2	2	2	2	2	1	1	1	1	2	1	1	1
	CO4	Implementing strategy and applying evolution and control techniques	2	2	3	3	3	3	3	3	3	2	3	2	2	3	2	3
		Average	2	1.5	2	2	2.3	2	2	2	2	2	2	2	2	2	2	2
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8

Course & Code	Course Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
			Programme Outcomes								Programme Specific Outcomes							
Financial Management(16204)	CO1	process of financial management structure and function of financial market.	3	2	2	3	2	2	3	2	3	3	2	3	2	2	3	2
	CO2	Understanding the indian financial system and recognising the need of financial planning	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CO3	Understandng and analaysing the structure and functions of financial instrument.	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1
	CO4	Analysing and estimating the requiremnt of fund and cost of capital for various sourcrs of funds	1	3	3	1	2	3	1	2	2	2	3	1	2	3	1	2
		Average	2	2	2	2	1.5	2	2	2	1.8	2	2	2	2	2	2	1.5
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		
Biostatistics(16205)	CO1	explainthe concepts and staiscal techniques and used to analyze business data.	3	2	2	3	1	2	3	1	3	3	2	3	2	2	3	2
	CO2	Use the essential tools of applied statistics,including data analysis basic probability models sampling.	3	2	2	2	2	2	2	2	1	2	1	2	2	1	2	2
	CO3	Use statiscal analysing as decision support in business.	3	3	1	1	1	1	1	1	2	1	2	1	1	2	1	1
	CO4	understand the complex and dynamic and multidimensional issues and involved in statiscal of business.	3	2	1	1	2	1	1	2	1	2	1	1	1	1	1	1
		Average	3	2.3	1.5	2	1.5	2	2	2	1.8	2	2	2	2	2	2	1.5
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		
Management of Intellectual Property Rights(16206)	CO1	Understanding the basics of patient and copywright and other acts of IPR	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding the documentation process of applying the patient	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	Understaning the information in pateint documents which provides useful insights.	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	developing new ideas which can be registerd for patient	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	2	1.5	2	2	2.3	2	2	2	1.3	2	2	2	2	2	2	2
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		
Course & Code	Course Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
			Programme Outcomes								Programme Specific Outcomes							

Entrepreneurship Development(16207)	CO1	understanding the concept,theories,tools and technique and methods and related to entreprenuership	3	2	2	3	1	2	3	1	3	3	2	3	3	3	2	3
	CO2	analysing business situation including enable and restricted issues and available resources.	1	2	1	2	2	1	2	2	2	2	2	1	2	2	2	1
	CO3	Applying concept,techniues nd methods for success of enterprise	2	1	2	1	2	2	1	2	2	1	1	1	2	1	1	1
	CO4	decision about product finance and function of	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Average	2	1.5	1.5	2	1.5	2	2	2	2	2	2	2	2	2	2	1.5

{-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation}

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Manegerial Economics(16211)	CO1	economics.	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	Understanding the concept and theories of cost and production and revenue	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	apply the demeand laws and accessing the economic position of a company	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	Apply the marginal analysis to acess different market conditions	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	2	1.5	2	2	2.3	2	2	2	1.3	2	2	2	2	2	2	2

{-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation}

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Legal Aspects Of Business(16212)	CO1	Understanding ana analysing different types of agreement and contract in business life.	3	2	2	3	1	2	3	1	3	3	2	3	3	3	2	3
		Average	3	2	2	3	1	2	3	1	3	3	2	3	3	3	2	3

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Operation Research	CO1	Identifyi ng and Developing operational	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	Understanding the matematical tools that are	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	understanding the uses of mathematical software to solve.	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	Developing a report that describes the models	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1.8	2.5	1.5	1.5	2	2	2	2	1.75	2	2	2	1.3	2	2	1.25

{-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation}

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8

Quantative techniques for managers	CO1	Understanding the concepts of business decisions	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	Analyzing various techniques used in making business	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	Applying various optimization and tools making	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	Evaluating various tools and techniques to solve business problems	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1.8	2.5	1.5	1.5	2	2	2	2	1.75	2	2	2	1.3	2	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course Articulation Matrix: (Mapping of COs with POs)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Principal of Management (16132)	CO1	understanding the role of a manager and its relation to the organizations mission.	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	understanding key management concepts, queries, philosophies,its evaluation , basic functions and skills.	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	analysing the enfluence of historical msanagment thoughts on the current practice of management	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	applying various managment concepts , theories for an effective mangement of business organization	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1.75	2.5	1.5	1.5	2	2	1.75	2	1.75	2	1.75	2	1.25	1.75	2	1.25
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		
Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Organizational Behavior (16133)	CO1	understanding the concepts anchored to oby and its evoletion	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	understanding and analysing the behavioural concepts related to individuals like perception , attitude , personality and learnin g.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	understanding and applying the theory of motivation , leadership for effective teamand organizational management.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	accessing and analysing the group dynamics and develop sound interpersonal relationship for effective group behaviour	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		
Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital & Healthcare Environment (16131)	CO1	understanding the role of a manager and its relations to the organization mission.	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	u nderstanding key " management " concepts , theories, philosophies, its evolution, basic functions and managial skills.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	applying various managment concepts , theories for an effective mangement of business organization	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Evaluating social responsibility and ethical issues involved in business situations and logically articulate company's position on such issues.	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		
Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Communication & Report writing in Hospital(16134)	CO1	understanding the basics of business communication , process and types.	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	understanding the barriers of communication , importance of listening skills.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	applyin g technics of effective communication- both verbal and non verbal.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	creating and effective presentation using slides and other visual aids.	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25
(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)																		

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Human Values & Professional Ethics (16136)	CO1	understanding concepts of human values and professional ethics.	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	Applying sanyam and swasthya practices in life.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	Applying human values and developing harmony amongself - family and society.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Evaluating self and professional requirements to become good citizen and ethical persons.	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Computer Fundamental &Information System (16137)	CO1	understanding and describing the various input and output devices and com ponents of a computer system	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	Understanding the functions of MS Word, MS Excel, MS Powerpoint and their application.	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	Understanding concepts and requirements of MIS in business organizations.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Evaluating toools , techniques and systems of MIS to suit the organizational requirements.	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Healthcare Economics (16135)	CO1	understanding the fundamental concepts and theories of economics relevant to basic organizations.	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	Understanding the concepts and theories of cost, production and revenue in relationship to business operations .	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	Applying the demand and supply laws and the economic position of a company.	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Applying the marginal analysis to access different market structures.	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.8	1.8	2	1.3	2	2	1.3	1.75	2	1.75	1.3	1.5	1.75	2	1.25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course Articulation Matrix: (Mapping of COs with POs)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Planning and Engineering	CO1	understanding the classification of hospitals and factors influencing utilization	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	understand the master facility plan of hospital	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	analysing the working of different deparments of hospital	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	Analysing he administraton of hospitals	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1.75	2.5	1.5	1.5	2	2.25	1.75	2	1.75	2	1.75	2	1.25	1.75	2	1.25

(– No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Organizationsh and Management of Clinical Services	CO1	understanding the dimension of hospital services	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	understanding he administrative structure of hospital	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	apply learning to manage medical record deparment	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Developing the medical the audit procedures	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.75	1.75	2	1.25	1.75	2	1.25	1.75	2	1.75	1.25	1.5	1.75	2	1.25

(– No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Research Methadology	CO1	understanding terms concept research process and methods and related to hypothesis,research design sapling	3	2	2	2	3	2	2	3	3	3	3	3	2	3	3	3
	CO2	analysing reserch question,literature,research situtation using statistical tools	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
	CO3	deciding research objectives sample size and type of data collection and analysing techniques	1	1	2	2	2	2	2	2	1	1	1	1	2	1	1	1
	CO4	developing a research plan based on scientific method of	2	2	3	3	3	3	3	3	3	2	3	2	2	3	2	3
		Average	2	1.5	2	2	2.25	2	2	2.25	2	1.75	2	1.75	2	2	1.75	2

(– No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Healthy Policy and Healthcare Management in India	CO1	unnderstanding the various types and healthcare system of	3	2	2	3	2	2	3	2	3	3	2	3	2	2	3	2
	CO2	Apply concept of control and prevention	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CO3	developing implementing and managing various public healthcare programs	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1
	CO4	applying various principles of planning and managing in implementing health project and program	1	3	3	1	2	3	1	2	2	2	3	1	2	3	1	2
		Average	1.75	2	2	1.75	1.5	2	1.75	1.5	1.75	1.75	1.75	1.5	1.5	1.75	1.5	1.5

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital planning and designing	CO1	Understanding the classification of hospitals and factors influencing hospitals utilization	3	2	2	3	1	2	3	1	3	3	2	3	2	2	3	2
	CO2	understand master bfacility plan of hospital and developing engineering plans	3	2	2	2	2	2	2	2	1	2	1	2	2	1	2	2
	CO3	analysing the working of different deparments of hospital	3	3	1	1	1	1	1	1	2	1	2	1	1	2	1	1
	CO4	analysing the administration of hospitals	3	2	1	1	2	1	1	2	1	2	1	1	1	1	1	1
		Average	3	2.25	1.5	1.75	1.5	1.5	1.75	1.5	1.75	2	1.5	1.75	1.5	1.5	1.75	1.5

(– No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Medical Terminologies and procedures	CO1	Understanding the fundamental of medical terminologies	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	with all medical professionals	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	understanding common deseases associated with human being	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	developing understanding of equipment and machines used for provcedures	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

(– No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Support services and m anagment of hazards	CO1	understand the functioning of hospital	3	2	2	3	1	2	3	1	3	3	2	3	3	3	2	3
	CO2	understand the dietary srvices and ensuring hygiene and cleanness	1	2	1	2	2	1	2	2	2	2	2	1	2	2	2	1
	CO3	developing plans for hazardous and bio medical waste management	2	1	2	1	2	2	1	2	2	1	1	1	2	1	1	1
	CO4	accessing the working of hospital during emergency services	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Average	1.75	1.5	1.5	1.75	1.5	1.5	1.75	1.5	2	1.75	1.5	1.5	2	1.75	1.5	1.5

(– No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Purchase Management and Inventory control in Hospitals	CO1	understanding the concept of logistics mangement	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	applying various purchasing methods and inventpary controlling techniques into practice and minimising inventory	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	analysing resnt practices in store management and develop new plans and policies	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	analysing the materials in sturage and handling packaging	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital and Health Economics	CO1	understanding the fundamentall concept of health economics	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	applying the management tools and techniques used to design and successful organisation	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	apply the laws of healthcare in maintaing market equilibrium	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	developing plans for risk and uncrtainty and insurance in healthcare management	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Public Relation Management in Hospital	CO1	understand the concept of PR in hospital	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding recent trends in Public relations in relation to healthcare services	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	implementing plans for maintaing better media relations	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	developing new PR program	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8

Course & Code	Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Cost Accounting	CO1	understanding the conceptual frmaework of cost accounting in hospital	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding the process in determination of cost of product and services	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	apply the marginal cost in docision making	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	apply the concept of responsibility accounting in hospital	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2
			Programme Outcomes								Programme Specific Outcomes							
Course & Code	Course Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Operation Management	CO1	understanding the concept of hospital operation management	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding the role of operation manager in hospitals	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	apply the techniques and policies of maintenance mangment for smooth maintenance of hospital	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	accessing the operational issues between a customer and supplier	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2
			Programme Outcomes								Programme Specific Outcomes							
Course & Code	Course Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Accounting For Managers	CO1	understanding double entry system and gap principles	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding the elements of financial statements	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	prepare the journal and leger trial balance cash flow fund flow financial statements	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	apply finacial tools to analyze and ifepret the financial state of a company	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2
			Programme Outcomes								Programme Specific Outcomes							
Course & Code	Course Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Marketi ng Management	CO1	understanding the role and function of marketing in management	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	understanding marketing concepts,theories and techniques of marketing	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	analysing the dynamic marketing environment and marketing strategy docision	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	apply various marketing conceptinal framework queries and gtechniques to various marketing content	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2
			Programme Outcomes								Programme Specific Outcomes							
Course & Code	Course Outcomes	Course Outcomes Staement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Production and Operation Management	CO1	understating the concept and techniques of operation and quality managemtn productivity	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	apply concept and tools of quality for inhancing customer satisfaction	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	apply the varios techniques of quality management in pouduction process	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	understanding and applying various models of inventory in production process	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

Course Articulation Matrix: (Mapping of COs with POs)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Management of Hospital Support and utility Services (16401)	CO1	Understanding thye function8ing	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2
	CO2	Understanding the deitary services and ensuring hygiene cleanliness in delievery.	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	Assessing the Working of hospital during emergency services.	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	Implementing and monitoring plans for controlling hospital related infections.	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1.75	2.5	1.5	1.5	2	2.25	1.75	2	1.75	2	1.75	2	1.25	1.75	2	1.25

(-- No relation; 1 - Low Correlation; 2 - Moderate Correlation; 3 - Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Health Insurance and Managed Care	CO1	Understanding the concept , and origin , evolution models and	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	Analyzing and comparin g theories and practices of ethics and professionalism in thye healthcare settings	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	understanding and applying contemporary developments in healthcare to access alternative management solutions in healthcare related problems	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	understanding healthcare origin, growth and policies of managed care systems	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1.75	1.75	1.75	2	1.25	1.75	2	1.25	1.75	2	1.75	1.25	1.5	1.75	2	1.25

(-- No relation; 1 - Low Correlation; 2 - Moderate Correlation; 3 - Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Risk and Disaster Management (16402)	CO1	Understanding the functioning of Hospitals.	3	2	2	2	3	2	2	3	3	3	3	3	2	3	3	3
	CO2	Understanding the Deitaring services and ensuring hygiene and cleanliness and its delievery.	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
	CO3	Developing plans for hazardous and biomedical waste	1	1	2	2	2	2	2	2	1	1	1	1	2	1	1	1
	CO4	Assessing the Working of hospital during emergency services.	2	2	3	3	3	3	3	3	3	2	3	2	2	3	2	3
		Average	2	1.5	2	2	2.25	2	2	2.25	2	1.75	2	1.75	2	2	1.75	2

(-- No relation; 1 - Low Correlation; 2 - Moderate Correlation; 3 - Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Hospital Laws (16406)	CO1	Understanding the fundamentals of laws related with hospital.	3	2	2	3	2	2	3	2	3	3	2	3	2	2	3	2
	CO2	Understanding the Hospital laws to deal with such situations and	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CO3	understanding working of a hospital accordin g t9o the laws	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1
	CO4	understanding the medical	1	3	3	1	2	3	1	2	2	2	3	1	2	3	1	2
		Average	1.75	2	2	1.75	1.5	2	1.75	1.5	1.75	1.75	1.75	1.5	1.5	1.75	1.5	1.5

o relation; 1 - Low Correlation; 2 - Moderate Correlation; 3 - Substantial Correl

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Public Health System and Outreach Program (16408)	CO1	understanding the basic concepts of human health and disease , research and ethical	3	2	2	3	1	2	3	1	3	3	2	3	2	2	3	2
	CO2	Applying Principles of social justice, through the lens of cultural humility to achieve and sustain	3	2	2	2	2	2	2	2	1	2	1	2	2	1	2	2
	CO3	Understanding national health prouramme related to	3	3	1	1	1	1	1	1	2	1	2	1	1	2	1	1
	CO4	Analysing thye effects of multiple	3	2	1	1	2	1	1	2	1	2	1	1	1	1	1	1
		Average	3	2.25	1.5	1.75	1.5	1.5	1.75	1.5	1.75	2	1.5	1.75	1.5	1.5	1.75	1.5

o relation; 1 - Low Correlation; 2 - Moderate Correlation; 3 - Substantial Correl

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Quality Management (16407)	CO1	Understanding the concept, origin , evolution, models and	1	2	2	2	3	2	2	3	2	1	1	1	2	1	1	2
	CO2	Comprehend the difference and connection between Cartesian.	2	1	2	1	1	2	1	1	1	2	2	1	2	2	1	2
	CO3	Know the meaning of 4-vectors,	2	1	2	3	2	2	3	2	1	1	1	2	2	1	2	2
	CO4	Comprehend the different features	2	2	2	2	3	2	2	3	1	2	2	2	2	2	2	2
		Average	1.75	1.5	2	2	2.25	2	2	2.25	1.25	1.5	1.5	1.5	2	1.5	1.5	2

o relation; 1 - Low Correlation; 2 - Moderate Correlation; 3 - Substantial Correl

Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Patient Care Services (16405)	CO1	Understand hardware components of computer system such as	3	2	2	3	1	2	3	1	3	3	2	3	3	3	2	3
	CO2	Develops the ability to analyze a	1	2	1	2	2	1	2	2	2	2	2	1	2	2	2	1
	CO3	Develops the use of the Python	2	1	2	1	2	2	1	2	2	1	1	1	2	1	1	1
	CO4	Introduces the more advanced	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Average	1.75	1.5	1.5	1.75	1.5	1.5	1.75	1.5	2	1.75	1.5	1.5	2	1.75	1.5	1.5

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Course & Code	Course Outcomes	Course Outcomes Staement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
	CO1	Understanding the concept, types roles of management information systems	3	3	2	1	2	2	3	3	2	2	2	1	2	2	1	2

Hospital Information and System	CO2	Analyzing and designin g and developing information systems that enhance operational goals of organization	2	3	2	2	3	2	2	2	2	3	1	2	1	1	2	1
	CO3	Analyzing and understanding the applications of world wide web and making use of it	1	2	1	2	2	2	1	1	1	2	2	3	1	2	3	1
	CO4	Analyzing the current information systems and software for upgradi ng the existing policies and procedureces in hospitals	1	2	1	1	1	3	1	2	2	1	2	2	1	2	2	1
		Average	1 75	2 5	1 5	1 5	2	2 25	1 75	2	1 75	2	1 75	2	1 25	1 75	2	1 25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Statement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Management Concept and Practices	CO1	Understanding the role of manager and its relations to the	3	2	2	1	2	2	1	2	2	3	3	1	1	2	1	2
	CO2	Understanding key management concepts, theories, philosophies , its evolution basic functions and managerial skills	1	3	2	3	1	2	3	1	2	2	2	2	3	2	3	1
	CO3	Analyzing the Influence of Historical Management thoughts on the current practice of management	1	1	2	2	1	2	2	1	2	2	1	1	1	2	2	1
	CO4	Applyi ng various management concepts , theories , philosophies , functions for an effective management of business organization	2	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1
		Average	1 75	1 75	1 75	2	1 25	1 75	2	1 25	1 75	2	1 75	1 25	1 5	1 75	2	1 25

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)

Course & Code	Course Outcomes	Course Outcomes Statement	Programme Outcomes								Programme Specific Outcomes							
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Business Environment	CO1	Understanding relationship between environment and business and various techniques and tools used for environmental analysis	3	2	2	2	3	2	2	3	3	3	3	3	2	3	3	3
	CO2	Understanding internal and external environment	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
	CO3	Appraising the analysin g the external and inte4rnal business environment for better management of an organization	1	1	2	2	2	2	2	2	1	1	1	1	2	1	1	1
	CO4	Applying the environmental analysis techniques to u nderstand and adapt to business dynamics	2	2	3	3	3	3	3	3	3	2	3	2	2	3	2	3
		Average	2	1 5	2	2	2 25	2	2	2 25	2	1 75	2	1 75	2	2	1 75	2

(-- No relation; 1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation)