



NAME OF COURSE	DURATION	BATCH	BOS DATED	STATUS
B.Sc. A&GD (Hons.)	4 YEARS	WEF 2024-25		ORIGINAL

## B.Sc. Animation and Graphics Designing (B.Sc. A&GD)

**MATS University, Raipur Chhattisgarh**

### Introduction

The main objective of this program is to inculcate among the students, the technical as well as the theoretical knowledge about the computers and its various applications in the different fields. This program is designed in such a way that the students can have a detailed knowledge of the subjects as well as the knowledge of the IT related applications. Throughout this program the students will go through the IT scenario, its scope, career and the essentials of the IT world. The students will be given chance to interact with the Corporate and other intellectuals in the field so as to enable them to grasp theoretical as well as technical knowledge from them and enhance their personality, skill and knowledge. The students will make use of the 24 hours internet facility and video conferencing to interact with the people in the IT field and share their knowledge and experience.

### Program Objectives:

- To equip the students to meet the requirement of corporate world and Industry standard.
- To engage in professional development and to pursue post graduate education in the fields of Information Technology and Computer Applications
- To provide the students about computing principles and business practices in software solutions, outsourcing services, public and private sectors

No.	Program Outcome:
PO1	Demonstrate a deep understanding of historical milestones and technological advancements in the evolution of 2D and 3D animation and graphic design.
PO2	Apply critical analysis to assess the impact of key innovators and advancements on animation techniques and digital design tools.
PO3	Evaluate the cultural implications of animation and graphic design trends, considering their influence on global media and art.
PO4	Analyze the transformative effects of emerging digital technologies on animation practices, media consumption, and design aesthetics.
PO5	Examine cultural shifts in animation styles and design trends across regions, illustrating diverse artistic representations in media.
PO6	Analyze economic, technological, and cultural factors driving the evolution of the animation and graphic design industry, demonstrating a comprehensive understanding of its growth.
PO7	Apply theoretical and practical knowledge in creating professional-quality animation and design projects, demonstrating proficiency in client communication, conceptual development, and post-production

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	workflows.
PO8	Communicate effectively within the computing community and society, producing clear reports, documentation, presentations, personality development, health and wellbeing.

## 1. Scope and Content

- 1.1. The regulations documented here are applicable to the B.C.A. programme offered by the university.
- 1.2. The applicability of the Regulations must be understood in the context of the given Scheme of study and the Syllabus of the programme.
- 1.3. The Regulations given here are in addition to the rules and regulations notified at the time of the admission.
- 1.4. The authorities of University may modify, add, delete, expand or substantiate any part of the Regulations and syllabi, at any time.

## 2. Course Content

The programme shall be for duration of six semesters, spread out in three years. Each semester of the programme shall consist of either all or some of the following components:

- Core Subjects
- AEC (Ability Enhancement Course)
- SEC (Skill Enhancement Course)
- DSE (Discipline Specific Electives) /Choice Based
- GE (Generic Electives)
- Lab Course
- Project Work

### 2.1. Core Subjects

Core subjects comprises of subjects that form an integral part of the programme. These subjects provide a strong ground in basic disciplines of study.

### 2.2. AEC (Ability Enhancement Course)

The students who have not done English up to class XII are to opt for Hindi Communication. They can opt Environment studies and other languages also.

### 2.3. SEC( Skill Enhancement Course)

This will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students.

### 2.4. DSE ( Discipline Specific Electives) /Choice Based

Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study)

### 2.5. GE( Generic Electives)

An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective. P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.

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**2.6. Lab Courses**

These subjects are totally practical-based subjects. The learning of these subjects will be performed in laboratories/practical sites with equipment /resources. These subjects shall support the practical implementation of the core/core-bracket subjects. The processes of evaluation of their subjects will depend on the nature of that individual subject.

**2.7. Project Work**

The project work shall be done for a duration as specified by the Coordinator, in the area, related to the main subject of study or the specialization. The project work shall give the student an insight to the situations existing in the field/related/industries, etc.

**3. Eligibility for Admission**

- 3.1.** Admission rules and guidelines for admission to these programmes shall be as per rules and regulations framed by UGC and the State Government from time to time.
- 3.2.** The student who has passed the Grade 12th Examination from CG Board of Secondary Education, Chhattisgarh or an equivalent examination from any other board recognized by the State and Central Government and other statutory bodies or fulfills eligible conditions as laid down by concerned regulatory body, in which case the later shall prevail to these Undergraduate Program.

**4. Attendance and Examination**

Requirement of attendance shall be as per University Ordinance governing the examinations. In general, attendance of at least seventy-five percent shall be required in each course to appear in the end semester examination.

For special reasons such as prolonged illness deficiency in the percentage of attendance in each course may be condoned by the Vice Chancellor.

**5. Examination & Evaluation**

valuation shall be based on continuous assessment, in which sessional work and the terminal examination shall contribute to the final grade. Sessional work shall consist of class tests, mid-semester examination(s), homework assignments, etc., as determined by the faculty in charge of the courses of study. Progress towards achievement of learning outcomes shall be assessed using the following: time-constrained examinations closed-book and open-book tests, problem-based assignments, practical assignment laboratory reports, observation of practical skills, individual project reports (case-study reports), team project reports, oral presentations, including seminar presentation viva voce interviews, computerized adaptive assessment, examination on demand, modular certifications, etc.

Each course shall correspond to an examination paper comprising of external and internal evaluations. The semester end theory examinations for Major, Minor, Open/Generic and DSC(Discipline specific Course) vocational, value added, SEC (Skill Enhancement Course) and AEC(Ability Enhancement Course) shall be of a duration as promulgated through the examination's regulations approved by the Academic Council of the University. The credit structure for theory/Practical/tutorial, internal, external examinations and total marks for an examination shall be as per the programme structure approved by the Academic Council of the University as per UGC norms. Students shall acquire a minimum passing mark in internal and external examinations separately to be declared as pass in the respective courses, as prescribed by the Academic Council.

**5.1. The academic performance of a candidate shall be evaluated in respect of the courses of study**

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prescribed for each semester through the evaluation. The evaluation of students admitted in the programme shall be based on

- End Semester Examinations - 70% marks of total marks and
- Continuous Internal Assessment - 30% of total marks

**5.2.** The End Semester examinations shall be held as per the academic calendar notified by the University and the duration of end semester examination shall be of three or two hours.

**5.3.** The minimum percentage of marks to pass the programme in each semester shall be 40% in each course comprising of end semester examinations and continuous evaluation.

**5.4.** A programme shall have a specified number of credits in each semester. The number of credits along with grade points that the student has satisfactorily cleared shall measure the performance of the student.

**5.5. Semester examination results shall have following categories:**

5.5.1. Passed, i.e., those who have passed in all courses of the semester examination in internal and external examination separately.

5.5.2. Promoted (ATKT), i.e., those who have earned minimum 50% of credits in a particular year including both the semesters (even and odd) or those who have earned any number of credit in odd semester.

5.5.3. Detained, i.e., those who are not promoted as per the above provisions shall be detained. Such students have to appear in the examination of next academic session to earn required credits (excluding the credits already earned) as per the provisions of this ordinance and only then he/she may continue the programme within stipulated period as per the provisions of this ordinance.

5.5.4. However, a student of any semester who has been detained/ not appeared in examination due to less attendance/ not applied for examination/ applied but not appeared shall be out from the programme. Such a student has to take admission in the next session as an ex-student through the procedure adopted/notified by the University.

**5.6. Continuous Internal Assessment**

5.6.1. Continuous Internal Assessment shall be of 30% marks of total marks allotted for the course.

5.6.2. The components for continuous internal assessment for each course shall be decided by the Board of Studies of concerned subject.

5.6.3. Continuous Internal assessment shall be carried forward in case of ATKT students, there shall not be any provision of conducting internal assessment tests for ATKT students at any circumstances.

**5.7. Evaluation and Certification of MOOCS and Vocational Courses:**

The guidelines of the University/SWAYAM portal/UGC shall be followed for evaluation and certification of MOOCS, Vocational Courses, Field Projects /Internship/ Apprenticeship/ Community engagement and service/ Honours with Research Project.

**5.8. Letter Grades and Grade Points**

The Semester Grade Point Average (SGPA) is computed from the grades as a measure of the student's performance in a given semester. The SGPA is based on the grades of the current term, while the Cumulative GPA (CGPA) is based on the grades in all courses taken after joining the programme of study.

The University may also mention marks obtained in each course and a weighted average of marks based on marks obtained in all the semesters taken together for the benefit of students.

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Letter Grade	Grade Points	Description	Range of Marks (%)
O	10	Outstanding	>90 to <=100
A+	9	Excellent	>80 to <=90
A	8	Very Good	>70 to <=80
B+	7	Good	>60 to <=70
B	6	Above Average	>50 to <=60
C	5	Average	>40 to <=50
P	4	Pass	=40
F	0	Fail	<40
Ab	0	Absent	Absent

## 6. General Guidelines

### 6.1. Academic Integrity and Ethics

- A student who has committed an act of academic dishonesty will be deemed to have failed to meet a basic requirement of satisfactory academic performance. Thus, academic dishonesty is not only a basis for disciplinary action but also is relevant to the evaluation of student's level of performance and progress.
- Where there has been violation of the basic ethos and principles of academic integrity and ethics, the Director/Board of Examiners/Course coordinator may use their discretion in terms of disciplinary action to be taken.

*Academic dishonesty includes, but is not necessarily limited, to the following:*

- Cheating or knowingly assisting another student in committing a act of cheating;
- Unauthorized possession of examination materials, destruction or hiding of relevant materials;
- Act of plagiarism;
- Unauthorized changing of marks or marking on examination records.

### 6.2. Attendance

- Students are required to attend and participate in all scheduled class sessions, guest lecturer, workshops, outbound learning programs and club/forum activities of both academic and non-academic nature.
- Students may be dropped from the programs due to excessive and non-intimated absences.
- Students must notify the program coordinator in writing, the reasons for absence, if any, from class sessions, activities and assessment components.
- On notification of absences (including anticipated absences), the Director/Programmer coordinator would determine whether the absences could be rectified or whether it is possible to satisfactorily complete the subject with the number of identified absences.

### 6.3. General

- The students are expected to spend a considerable amount of time in research, reading and practice.
- All students are expected to develop and maintain a positive profession attitude and approach throughout the programme and in conduct of all other activities.

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- c) Attendance alone is not sufficient. Students are expected to participate, to help the class learn and understand the topics under consideration.
- d) Food and drinks are not permitted in the classroom / conference hall.
- e) All students are expected to dress as per stipulated dress code.

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SYLLABUS										
PROGRAM: B.Sc. A&GD			SEMESTER: I			WEF: 2024-25				
Course Code: SEC 001		Credit: 04	Course: IT Skills				L: 03   T: 01   P: 00			
Prerequisites:		Basic IT Skills Concepts								
Objectives:		Develop skills in document creation, Create and structure web pages using HTML, including elements, forms, and responsive design, Create engaging presentations by adding text, graphics, animations, and transitions using Microsoft PowerPoint, Master data entry, organization, and analysis through formulas and formatting in Microsoft Excel.								
Course Outcome:		Upon successfully finishing the course, students will have the capability to:								
	No.	Course Outcome						BT Level		
	CO1	Students will be Able to prepare documents, letters and do necessary formatting of the document.						Understand		
	CO2	Students will be able Worksheet creation, inserting and editing data in cells, Applying basic formulas and functions.						Analyze, Apply		
	CO3	Students will be capable Opening/saving a presentation and printing of slides and handouts.						Apply		
	CO4	Students will be able to create and structure web pages using HTML elements, tags, and attributes.						Apply		
	CO5	Students will gain proficiency in creating and managing websites using WordPress, including installation, site settings, publishing posts, formatting content, managing media, and creating links.						Apply		
Program Outcomes and Course Outcomes Mapping:										
	Course Outcomes	Program Outcomes								
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	
		CO1	√	√	√				√	
		CO2	√	√	√				√	
		CO3	√	√	√				√	
	CO4	√	√	√				√		
CO5	√	√	√				√			

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No.	Module Description	BT Level	Hours
<b>1</b>	<b>Word Processing</b>		<b>10</b>
1.1	Working With Document: Opening, Saving and Editing Files, Inserting, Deleting Files	U, AN	1
1.2	Margins: Converting Files to Different Format Using Tools Bar	U, AN	1
1.3	Page Style, Alignment -Indents, Line Space, Border and Shading	U, AP, AN	2
1.4	Header and Footer Setting	U, AP, AN	3
1.5	Drawing: Inserting Clip Arts Pictures/Files Etc.	U, AP, AN	1
1.6	Word Completion: Spell Checks	U, AP, AN	1
1.7	Mail Merging	U, AP, AN	1
<b>2</b>	<b>Spread Sheet</b>		<b>8</b>
2.1	Spread Sheet and Its Applications	U, AP, AN	2
2.2	Working With Spreadsheet: Opening, Saving, File Setting	U, AP, AN	2
2.3	Spreadsheet Addressing: Rows, Columns and Cells, Referring Cells	U, AP, AN	1
2.4	Inserting Data: Insert Cells, Columns, Rows and Sheets	U, AP, AN	1
2.5	External Files: Frames Clipart, Pictures etc.	U, AP, AN	1
2.6	Formula Tab	U, AP, AN	1
<b>3</b>	<b>Presentation</b>		<b>10</b>
3.1	Introduction To Presentation: Opening New Presentation	U, AN	1
3.2	Selecting Presentation Layout	U, AP, AN	2
3.3	Adding Text To The Presentation	U, AP, AN	1
3.4	Header And Footer	U, AP, AN	2
3.5	Slide Layout	U, AP	2
3.6	Adding Graphics To The Presentation, Setting Animation And Transition Effect	U, AP, AN	2
<b>4</b>	<b>HTML Basics</b>		<b>10</b>
4.1	Introduction Of HTML, Elements Of HTML	U, AN	2
4.2	Attributes, Headings, Paragraph, Styles Of HTML	U, AP	2

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	4.3	CSS, Tables	U, AP, AN	2
	4.4	HTML Class, Id	U, AP, AN	1
	4.5	HTML Responsive	U, AP, AN	2
	4.6	HTML Forms	U, AP, AN	1
<b>5</b>	<b>Web Designing</b>			<b>11</b>
	5.1	Introduction to Web Designing Tool	U, AP, AN	2
	5.2	Admin and General Site Settings	U, AP, AN	3
	5.3	Writing Post and Formatting Text	U, AP, AN	2
	5.4	Publishing a Post	U, AP, AN	2
	5.6	Adding Image and Managing Media Library and Creating Links	U, AP, AN	2

Course Modules and Course Outcomes Mapping:	#	Module	Course Outcomes				
			CO1	CO2	CO3	CO4	CO5
	1	Word Processing	√				
	2	Spread Sheet		√			
	3	Presentation			√		
	4	HTML Basics				√	
	5	Web Designing					√
Text Books/	1. <a href="#">Top help topics - Microsoft Support</a> 2. <a href="https://www.w3schools.com/html/">https://www.w3schools.com/html/</a>						
Resources:	1. <a href="https://www.tutorialspoint.com/wordpress/index.htm">https://www.tutorialspoint.com/wordpress/index.htm</a>						

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SYLLABUS											
PROGRAM: B.Sc. A&GD			SEMESTER: I			WEF: 2024-25					
Course Code: AEC-001		Credit: 02	Course: COMMUNICATION SKILLS				L: 03   T: 01   P: 00				
Prerequisites:		Nil									
Objectives:		To enhance language proficiency by providing adequate exposure to reading and writing skills. To orient the learners towards various communication tasks. To increase the range of lexical resource through a variety of exercises									
Program Outcome:		Upon successfully finishing the program, students shall be able to:									
		No.	Course Outcome								
		CO1	Student gets able to understand the basics knowledge of communication.								
		CO2	Student gets able to use the skill of reading and writing according to different requirement.								
		CO3	Student gets skilled in public communication such as in the interviews/ Group Discussion/Presentation Skills.								
Program Outcomes and Course Outcomes Mapping:		Course Outcomes		Program Outcomes							
				PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
		CO1									√
		CO2									√
		CO3									√

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Syllabus			
No.	Module Description		Hours
1	<b>Basics of Communication</b>		<b>10</b>
	1.1	Communication: An Introduction	1
	1.2	Definition and Scope	1
	1.3	Process of Communication	2
	1.4	Barriers to Communication	2
	1.5	Types of Communication	2
2	<b>Writing Skills</b>		<b>9</b>
	2.1	Letter Writing- Formal and Informal	1
	2.2	CV, Email, Message	2
	2.3	Minutes, Report Writing	1
	2.4	Notice, Memoranda	1
3	<b>Reading Skills</b>		<b>10</b>
	3.1.	Types of Readings	2
4	<b>Listening Skills</b>		<b>10</b>
	4.1.	Effective listening	2
	4.2.	Barriers to listening	2
5	<b>Speaking Skills</b>		<b>11</b>
	5.1.	Introduction to Soft Skills	2
	5.2.	Personality Development	1
	5.3.	Time Management/leadership Skills	2
	5.4.	Interviews/ Group Discussion/Presentation Skills	2
	5.5.	Short Speech	2

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Course Modules and Course Outcomes Mapping:	#	Module	Course Outcomes		
			CO1	CO2	CO3
	1	Basics of Communication	√		
	2	Writing Skills		√	
	3	Reading Skills		√	
	4	Listening Skills			√
	5	Speaking Skills			√
Text Books/ Reference book	1. Brown, Ralph: Making Business Writing Happen: A Simple and Effective Guide to Writing Well. Sydney: Allen and Unwin, 2004. 2. Buscemi, Santi and Charlotte Smith, 75 Readings Plus. Second Edition New York: McGraw-Hill, 1994. 3. Mohan Krishna C Banerji, Meera: Developing Communication Skills. New Delhi: Macmillan India, 1990.				

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## SYLLABUS

**PROGRAM: B.Sc. A&GD      SEMESTER: I      WEF: 2024-25**

Course Code: AEC-001		Credit: 02	Course: Yoga And Human Conciseness						L: 03   T: 01   P: 00		
Prerequisites:		Nil									
Objectives:		<ul style="list-style-type: none"><li>• To increase the knowledge of the students about Yoga and to make students</li><li>• Aware about the holistic development through Yoga.</li><li>• To provide a practical knowledge on different yogic practices.</li><li>• To give a glimpse of ancient Yoga Philosophy.</li><li>• To impart some knowledge about the healing power of Yoga.</li><li>• To increase the professional efficiency in the field of Yoga</li></ul>									
Program Outcome:		Upon successfully finishing the program, students shall be able to:									
		No.	Course Outcome								
		CO1	Students gain good knowledge on the concept of yoga.								
		CO2	Students know about the scientific benefits of various yogic practices								
		CO3	Students can perform practical skills proficiently								
		CO4	Students gain an awareness about the value of health & wellness through yoga								
		CO5	Makes the students more enthusiastic about further study/research in the field of Yoga								
Program Outcomes and Course Outcomes Mapping:		Course Outcomes		Program Outcomes							
				PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
		CO1								√	
		CO2								√	
		CO3								√	
		CO4								√	
		CO5								√	

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**मैट्स विश्वविद्यालय**  
**MATS SCHOOL OF INFORMATION TECHNOLOGY**



University Campus: Gullu, Aarang, Raipur – 493441 | Raipur Campus: MATS Tower, Pandri, Raipur – 492004

Theory 1 Credit (15 hours)			
No.	Module Description	BT Level	Contact Hours
1.	<b>Introduction to Yoga</b>	U,AP	3
	1.1 Meaning and definitions of Yoga		
	1.2 History of Yoga		
	1.3 Importance of Yoga as art, science and philosophy		
	1.4 Yogic Diet		
2.	<b>Philosophical Perspective of Yoga</b>	U,AP	5
	2.1 Yoga in Bhagavad Gita: Karma Yoga, Raja Yoga, Jnana Yoga and BhaktiYoga		
	2.2 The 'Yoga Sutras' in general; its significance in life.		
	2.3 Limbs/parts of yoga (Astanga Yoga) according to the 'Yoga Sutras'		
	2.4 Concept of Ishwara; Ishwara in Yoga Philosophy		
3.	<b>Yogic Practices for Health &amp; Wellness</b>	U,AP	3
	3.1 Asana, its classification and effects		
	3.2 Pranayama, its types and effects		
	3.2 Kriya, Mudra and Bhandha: Procedure and Effects		
	3.4 Yoga Vs Physical Exercise		
4.	<b>Human Consciousness &amp; Meditation</b>	U,AP	4
	4.1 Meaning & Definition of Human Consciousness.		
	4.2 Need for Study of Human Consciousness.		
	4.3 Current Crisis of Human Consciousness & Measures for meaningful solution.		
	4.4 The Theory of Meditation- Japa Meditation, Ajapajapa Meditation, Yoga Nindra, Tratak.		
5.	<b>Yoga Practice</b>	U,AP	5

**Dr. Omprakash Chandrakar**  
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5.1	<b>Suryanamskara – (12 counts) (Prectical)</b>		
	<b>Asana</b> <b>Standing:</b> -Tadasana, Ardhakatichakrasana, Ardhachakrasana Trikonasana, Vrikshasana. <b>Sitting:</b> - Vajrasana, Padmasana, Goumukhasana, Paschimottanasana, Shashankasana. <b>Lying Supine Position:</b> - Shavasana, Setubandhasana, Chakrasana, Sarvangasana, Halasana. <b>Lying Prone Position</b> - Makarasana, Bhujangasana, Shalabhasana, Dhanurasana, Naukasana.		
	5.2 <b>Pranayama</b> :Nadishodhana, Suryabhedana, Chandrabhedana, Shitali, Bhastrika, Bhramari.		
	5.3 <b>Bandh &amp; Mudra</b> : Jalandharabandha, Uddiyanbandha, Moolabandha, Yogamudra, Viparitkarnimudra, Shambhavimudra		
5.4	Dhyana and its forms		

Course Modules and Course Outcomes Mapping:	#	Module	Course Outcomes				
			CO1	CO2	CO3	CO4	CO5
	1	Introduction to Yoga	√				
	2	Philosophical Perspective of Yoga		√			
	3	Yogic Practices for Health & Wellness			√		
	4	Human Consciousness & Meditation				√	
	5	Yoga Practice					√
Text Books/ Reference book	1. Holistic Approach of Yoga- G. Shankar: Aditya Publishers 2. Patanjali's Yoga Sutra – Translation and Commentary-Dr.P.V. Karambelkar:Lonavla 3. Guidelines to Yogic Practices – M.L.Gharote: Lonavla 4. Yoga and Indian Philosophy – Karel Werner: Motilal Banarsidass 5. Yoga: The Path to Holistic Health- B.K.S. Iyenger: Dorling Kindersley Limited						

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