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Vishwavidyanilaya Karyasoudha
Crawford Hall, Mysuru- 570 005

(Re-accredited by NAAC at 'A')

(NIRF-2022 Ranked 33 in University Category & 54 in Overall Category)

No.: PMEB-1/Spl./28(4)/2021-22

Date: 03-11-2022

NOTIFICATION

Sub.: Syllabus and Examination pattern of **B.Sc. (Animation & VFX)** course under Specialized Programmes from the academic year 2022-23-reg.

Ref.: 1. Decision of the BOS Meeting held on 15-06-2022.

2. Decision of the Faculty of Science & Technology meeting held on 15-09-2022.

3. Decision of the Academic Council meeting held on 23-09-2022.

The Board of Studies in **B.Sc. (Animation & VFX) (UG)** at its meeting held on 15-06-2022 has recommended approve the 1st year Syllabus of **B.Sc. (Animation & VFX)** course in University of Mysore under specialized/specified programs from the academic year 2022-23 as per NEP-2020.

The Faculty of Science & Technology and the Academic Council at their meetings held on 15-09-2022 and 23-09-2022 respectively, have also approved the above said proposal and the same is hereby notified.

The 1st year syllabus of **B.Sc. (Animation & VFX)** course may be downloaded from the University website <https://uni-mysore.ac.in/PMEB/>.

REGISTRAR

REGISTRAR

University of Mysore

MYSURU, 570 005

To;

1. The Registrar (Evaluation), University of Mysore, Mysuru.
2. The Dean, Faculty of Science & Technology, DoS in Earth Science, Manasagangothri, Mysuru.
3. Prof. Suresha, DoS in Computer Science, Manasagangothri, Mysuru.
4. The Principal, Marian Institute of Professional Studies (MIPS), MIT Campus, K.R.Mills, Belawadi, Srirangapatna Tq., Mandya Dist.
5. The Deputy Registrar/ Asst. Registrar/ Superintendent, Examination Branch, UOM, Mysuru.
6. The PA to Vice-Chancellor/Registrar/Registrar (Evaluation), University of Mysore, Mysuru.
7. Office Copy.

o/c



UNIVERSITY OF MYSORE

BSC ANIMATION AND VFX DEGREE SYLLABUS

NEP 2020

IMPLEMENTED FROM THE

ACADEMIC YEAR 2022-23



UNIVERSITY OF MYSORE

SYLLABUS FOR BSC (ANIMATION & VFX) DEGREE AS PER NEP – 2020 REGULATIONS IMPLEMENTED FROM THE ACADEMIC YEAR 2021-22

I. OBJECTIVES:

- 1) To familiarize the students with various approaches, methods and techniques of Animation Technology.
- 2) To develop competencies and skills needed for becoming an effective Animator.
- 3) Mastering traditional & digital tools to produce stills and moving images.
- 4) Exploring different approaches in computer animation.
- 5) To enable students to manage Animation Projects from its Conceptual Stage to the final Product creation.
- 6) To train students in applying laws of human motion and psychology in 2-D or 3-D Characters.
- 7) To develop expertise in life-drawing and related techniques.
- 8) To apply Audio and Video Production Techniques to an Animation Project

Preamble

Education is crucial in the formation of a nation. In our country, there are numerous educational institutions that provide guidance and training to impart quality education. However, our current educational system produces youth who must compete locally, regionally, nationally, and globally. The twenty-first century has brought many new challenges to the field of higher education. The current perilous situation necessitates system transformation and/or redesign, not only by introducing innovations but also by developing a "learner-centric" approach. However, the majority of our higher education institutions have followed a system that restricts students' ability to study subjects/courses. It should be comprehensive in order to develop the student into an ideal human being and useful person in society. Higher education's goal is to develop good, well-rounded, and creative individuals. It must allow an individual to study one or more specialised areas of interest in greater depth, while also developing character, ethical and constitutional values, intellectual curiosity, a spirit of service, and capabilities across disciplines such as sciences, social sciences, arts, humanities, and professional, technical, and vocational crafts.

The National Education Policy (NEP) has introduced several reforms in Indian education, including broad-based multidisciplinary Undergraduate Education with 21st Century skills and

the development of specialised knowledge with disciplinary intellectual rigour. Its goal is to improve the National Higher Education System's equity, efficiency, and academic excellence. The most important ones are course curriculum innovation and improvement, paradigm shifts in learning and teaching pedagogy, evaluation, and education system.

Hence the University of Mysore thought it fit to implement the multidisciplinary and holistic education in all the under-graduate programs and the consequential post-graduate programs, with multiple entry and exit options with multiple certificate/diploma/degrees in the Faculties of Arts, Science, Commerce and Management to replace the present undergraduate degree programs effective from the academic year 2021-22. So based on the initiative of MHRD, the Marian Institute of Professional Studies (MIPS) run by Godwins Institution Private Ltd, has decided to follow the Multi-Disciplinary Under graduate Program with multiple exit and entry options with certificate/Diploma/degrees at each of the existing programs. Undergraduate courses should emphasise creativity and innovation, critical thinking and higher order thinking skills, problem solving abilities, teamwork, communication skills, more in-depth learning, and mastery of curriculum content across fields.

The proposed four-year multidisciplinary undergraduate programme is a fundamental transformation of current undergraduate education that replaces the traditional undergraduate programmes of the state's universities while also attempting to empower students and assist them in their pursuit of overall excellence. Students will be able to graduate after one year with a certificate, two years with a diploma, and three years with a bachelor's degree. The completion of the four-year programme will result in the award of a bachelor's degree with honors in specific subjects. In colleges, continuation of the undergraduate programme for the fourth year is optional in subjects however, it is the preferred option.

Salient Features of four-year multidisciplinary undergraduate programme

- The program shall be structured in a semester mode with multiple exit options with Certification, Diploma and Basic Bachelor Degree at the completion of first, second and third years, respectively. The candidate who completes the four years Undergraduate Program, either in one stretch or through multiple exits and re-entries would get a Bachelor's degree with Honours.
- The four years undergraduate Honours degree holders with research component and a suitable grade are eligible to enter the 'Doctoral (Ph.D.) Program' in a relevant discipline or to enter 'Two Semester Master's Degree programme with project work'.
- Candidates who wish to enter the master's/doctoral programme in a discipline other than the major discipline studied at the undergraduate programmes, have to take additional courses in the new discipline to meet the requirement or to make up the gap between the requirement and the courses already studied.
- There may be parallel five year integrated masters degree programmes with exit options at the completion of third and fourth years, with the undergraduate degree and undergraduate degree with honours in a discipline, respectively.

- There may also be an integrated doctoral programme with exit option at the end of the first year with the Master's degree
- The students who exit with Certification, Diploma and Basic Bachelor Degree shall be eligible to re-enter the programme at the exit level to complete the programme or to complete the next level.
- The curriculum combines conceptual knowledge with practical engagement and understanding that has relevant real-world application through practical laboratory work, field work, internships, workshops and research projects.

The Four-Year Choice Based Credit System Semester Scheme makes the product of a University at par with the global practices in terms of academic standards and evaluation strategies. In the emerging scenario of Internationalization of Indian Higher Education, it is imperative that the Universities in India should follow this system so that the mobility of their products both within and across the geographical jurisdiction becomes possible.

2. NAME OF THE PROGRAMME

2.1 The name of the programme is B.Sc (Animation and VFX).

2.2 The following Regulations are applicable to all the students who are taking admission for the first semester from 2022-23 Academic year as per the NEP Regulations 2020.

2.3 The duration of each semester is extended over a period of 16 weeks (90 working days) except training period (twenty-two weeks). The total duration of a semester is twenty weeks inclusive of semester end examination.

3.ELIGIBILITY FOR ADMISSION

Candidates who have passed the Two-Year Pre-University Course of Karnataka State in any discipline or its equivalent (viz., 10+2/HSE of other state or central government boards, CBSE, ICSE, NIOS etc.) are eligible for admission into this program.

4. LATERAL ENTRY

4.1 The students who has passed one year – Multimedia/Animation & VFX Diploma/Certificate programmes in Animation & VFX /Skill Enhancement programmes in Animation & VFX of Recognized bodies (Regular/Distance/Open University mode) after Plus two /PUC /Equivalent will be allowed admission to the third semester B.Sc Animation and VFX.

4.2 The students who has passed Two year – Multimedia/Animation & VFX Diploma/Certificate programmes in Animation & VFX /Skill Enhancement programmes in Animation & VFX of Recognized bodies (Regular/Distance/Open University mode) after Plus two /PUC /Equivalent will be allowed admission to the fifth semester B.Sc Animation and VFX.

4.3 All compulsory subjects (Languages, Environmental studies, Constitution of India etc.) as required by UGC should be successfully completed in a bridge course if the student has not undergone the prescribed subjects in the diploma/Certificate Course.

5. FEATURES OF CREDIT BASED SEMESTER SCHEME

Each course shall carry certain number of credits. Credits normally represent the weightage of a course and are a function of teaching, learning and evaluation strategies such as the number of contact hours, the course content, teaching methodology, learning expectations, maximum marks etc. In the proposed programs, generally one hour of instructions per week in a semester is assigned one credit. In terms of evaluation, one credit is generally equivalent to 25 marks in a semester. Thus a 3 or 4 credits course will be assessed for 100 marks, 2 credits courses are assessed for 50 marks and one credit course will be assessed for 25 marks. What matters for the calculation of Semester Grade Point Average (SGPA) or the Cumulative Grade Point Average (CGPA) is the percentage of marks secured in a course and the credits assigned to that course.

On this basis, generally, a three-year (six-semester) undergraduate program will have around 140 credits, and a four-year (eight-semester) honors degree program will have around 180 credits and a five year (ten semester) master's degree programme will have 220 credits.

5.1 DURATION OF PROGRAMMES, CREDITS REQUIREMENTS AND OPTIONS

The undergraduate degree should be of either a three- or four-year duration, with multiple entry and exit options within this period, The four years multi disciplinary Bachelor's programme is the preferred option as it allows the opportunity to experience the full range of holistic and multi disciplinary education with a focus on major and minor subjects as per the student's preference. The four-year programme may also lead to a degree with Research, if the student completes a rigorous research project in the major area(s) of study.

The undergraduate programmes shall extend over four academic years (Eight Semesters) with multiple entry and exit options. The students can exit after the completion of one academic year (Two semesters) with the Certificate in a discipline or a field; Diploma after the study of two academic years (Four Semesters) and Regular Bachelor Degree after the completion of three academic years (Six Semesters).The successful completion of Four Years undergraduate Programme would lead to Bachelor Degrees with Honours in a discipline/subject. Each semester shall consist of at least 16 weeks of study with a minimum of 90 working days (excluding the time spent for the conduct of final examination of each semester).

The candidates shall complete the courses equivalent to minimum credit requirements

Exit with	Min. Credits Requirement*	NSQF Level
Certificate at the Successful Completion of First Year (Two Semesters) of Four Years Multidisciplinary UG Degree Programme	48	5
A Diploma at the Successful Completion of the Second Year (Four Semesters) of Four Years Multidisciplinary UG Degree Programme	96	6
Basic Bachelor Degree at the Successful Completion of the Third Year (Six Semesters) of Four Years Multidisciplinary Undergraduate Degree Programme	140	7
Bachelor Degree with Honours in a Discipline at the Successful Completion of the Four Years(Eight Semesters) Multidisciplinary Undergraduate Degree Programme	180	8

Master's Degree Programmes will be of One Academic Year (Two Semesters) for the Four Years Honours Degree holders and it will be of Two Academic Years (Four Semesters) for the three years basic or three years Bachelors Degree holders.

Two Years Master's Degree Programmes will have exit option at the end of One Academic Year (Two Semesters) with the Post-graduate Diplomas in the respective disciplines/ subjects, provided they complete courses equal to a minimum of 44 credits:.

44 Credits after the Bachelor Degree to become eligible for the PG Diploma

88 Credits after the Bachelor Degree to become eligible for the Masters Degree

It is optional to the candidate to exit or not, after two, four and six semesters of the undergraduate programme with Certificate, Diploma and with Regular Bachelor Degree, respectively. He/she will be eligible to rejoin the programme at the exit level to complete either the diploma, degree or the honours degree. Further, all the candidates will be awarded Bachelor degrees on successful completion of three academic years (Six Semesters) of the undergraduate programmes.

A student will be allowed to enter/re-enter only at the Odd Semester and can only exit after the Even Semester. Re-entry at various levels as lateral entrants in academic programmes should be based on the earned credits and proficiency test records.

The students shall be required to earn **at least fifty per cent of the credits** from the Higher Education Institution (HEI) awarding the degree or diploma or certificate: Provided further that, the student shall be required to earn the required number of credits in the core subject area necessary for the award of the degree or Diploma or Certificate, as specified by the degree awarding HEI, in which the student is enrolled.

A candidate who successfully completes a three year Bachelor's degree, with a minimum CGPA of 7.5 and wishes to pursue the fourth year of the undergraduate programme by opting a research project, shall be allowed to continue the programme with Research to obtain the Bachelor's degree with honours by research, while other candidates may continue their studies in the fourth year of the undergraduate programme with or without a research project along with other courses as prescribed for the programme to complete their Bachelor's degree with honours.

Candidates who successfully complete their four years Bachelor's degree with honours, either by research or coursework with research component and a suitable grade are eligible to enter the 'Doctoral (Ph.D.) Programme' in a relevant discipline or to enter the 'Two Semester Master's Degree programme'.

Candidates, who wish to complete the undergraduate and the postgraduate programmes faster, may do so by completing the different courses equal to the required number of credits and fulfilling all other requirements in N-1 semesters (where N is the number of semesters of an undergraduate/ postgraduate programme). This facility is available for the programmes with a minimum duration of three years or six semesters. For example, a candidate may obtain his/her Six Semesters Bachelor's degree, after successfully completing five semesters of the programme, provided he/she has completed courses equal to the required/ prescribed number of credits and fulfills all other requirements for awarding the degree. Likewise, a candidate may obtain his/her Eight Semesters Bachelor's degree with honours, after successfully completing seven semesters of the programme, provided he/she has completed courses equal to the required number of Credits and fulfills all other requirements for awarding the Bachelor's degree with honours.

Similarly, candidates may complete both the undergraduate and the postgraduate programmes in slow track. They may pursue the three years or six semester programmes in 4 to 5 years (8 to 10 semesters) and four years or eight semester programmes in 5 to 6 years (10 to 12 semesters). As a result, the higher education institutions have to admit candidates not only for programmes, but also for subjects or courses. But the new admissions are generally made in the beginning of an academic year or the beginning of odd semesters.

5.2 NATIONAL SKILLS QUALIFICATIONS FRAMEWORK

The National Skills Qualifications Framework (NSQF) is a competency-based framework that organizes qualifications according to a series of knowledge, skills and aptitude. The NSQF levels, graded from one to ten, are defined in terms of learning outcomes which the learner must possess regardless of whether they are obtained through formal, non-formal or informal learning. National Occupational Standards (NOS) are statements of the skills; knowledge and understanding needed for effective performance in a job role and are expressed as outcomes of competent performance. They list down what an individual performing that task should know and also are able

to do. These standards can form the requirements. Just as each job role may require the performance of a number of tasks, the combination of NOSs corresponding to these tasks form the Qualification Pack (QP) for that job role. The NOSs and QPs for each job role corresponding to each level of the NSQF are being formulated by the respective Sector Skill Councils (SSCs) set up by National Skill Development Corporation (NSDC) with industry leadership. The curriculum which is based on NOSs and QPs would thus automatically comply with NSQF.

General Education has to be synchronized/ aligned with skill and Vocational Education as per National Skills Qualifications Framework. The level descriptors are given below as described in UGC Guidelines on National Skills Qualifications Framework. The curriculum should be designed in a manner that at the end of year-1, year-2 and year-3, students are able to meet below mentioned level descriptors for level 5, 6 and 7 of NSQF, respectively: The progressive curriculum proposed shall position knowledge and skills required on the continuum of novice problem solvers (at entry level of the program) to expert problem solvers (by the time of graduation):

At the end of first year–Ability to solve well defined problems

At the end of second year– Ability to solve broadly defined problems

At the end of third year–Ability to solve complex problems that are ill-structured requiring multi-disciplinary skills to solve them

During fourth year-Experience of workplace problem solving in the form of Internship or Research Experience preparing for Higher Education or Entrepreneurship Experience.6.

6 ACADEMIC BANK OF CREDITS (ABC)

The Academic Bank of Credits (ABC), a national-level facility will promote the flexibility of the curriculum framework and inter-disciplinary/multi-disciplinary academic mobility of students across the Higher Education Institutions (HEIs) in the country with appropriate “credit transfer” mechanism. It is a mechanism to facilitate the students to choose their own learning path to attain a Degree/Diploma/Certificate, working on the principle of multiple entries and exit as well as anytime, anywhere, and any level of learning. ABC will enable the integration of multiple disciplines of higher learning leading to the desired learning outcomes including increased creativity, innovation, higher order thinking skills and critical analysis. ABC will provide significant autonomy to the students by providing an extensive choice of courses for a programme of study, flexibility in curriculum, novel and engaging course options across a number of higher education disciplines/institutions.

The multiple entry and exit options for students is facilitated at the undergraduate and Master’s levels. It would facilitate credit accumulation through the facility created by the ABC scheme in the “Academic Bank Account” opened for students across the country to transfer and consolidate the credits earned by them by undergoing courses in any of the eligible HEIs. The ABC allows for credit redemption through the process of commuting the accrued credits in the Academic Bank Account maintained in the ABC for the purpose of fulfilling the credits requirements for the award of certificate/ diploma/degree by the authorized HEIs. Upon collecting a certificate, diploma or degree, all the credits earned till

then, in respect of that certificate, diploma or degree, shall stand debited and deleted from the account concerned. HEIs offering programmes with the multiple entry and exit system need to register in the ABC to enable acceptance of multidisciplinary courses, credit transfer, and credit acceptance.

The validity of credits earned will be for a maximum period of seven years or as specified by the Academic Bank of Credits (ABC). The procedure for depositing credit earned, its shelf life, redemption of credits, would be as per UGC (Establishment and Operationalization of ABC scheme in Higher Education) Regulations, 2021.

Study Webs of Active Learning for Young Aspiring Minds (SWAYAM :) is India's national Massive Open Online Course (MOOC) platform (www.swayam.gov.in), designed to achieve the three cardinal principles of India's Education Policy: access, equity, and quality. The University Grants Commission (Credit Framework for Online Learning Courses through SWAYAM) Regulations, 2021 have been notified in the Gazette of India, which now facilitates an institution to allow up to 40 per cent of the total courses being offered in a particular programme in a semester through the online learning courses offered through the SWAYAM platform. Universities with approval of the competent authority may adopt SWAYAM Courses for the benefit of the students. A student will have the option to earn credit by completing quality-assured MOOC programmes offered on the SWAYAM portal or any other online educational platform approved by the UGC/ the regulatory body from time to time

7. APPLICATION AND APPROVAL

There will a form of application in the prescribed format that has to be filled by the candidate. The Application will scrutinize by the university with essential supporting documents prescribed by the University and will give the approval regarding the confirmation of admission.

8. ADMISSION PROCEDURE

8.1 During the time of admission the candidate must submit all the necessary documents in original that support the claim made in the application form.

8.2 The candidates will get the admissions only after getting approval regarding the eligibility of the certificates, as directed by the University guidelines.

8.3 All the decisions taken by the University of Mysore with regard to the course or any matter that is not mentioned over here, is up to the University and all the candidates are liable to follow those decisions.

9. SCHEME OF INSTRUCTION

9.1 Regarding the scheme of instructions, each course offered may have three components- Lecture (L), Tutorial (T) and Practical (P). Lectures are given by the faculties (Regular and

Visiting) appointed by the institution both online and offline in blended learning mode. Tutorial session consists of group discussion/self-study /desk work/seminar presentation and other effective methods. Practical or Skill component consist of the applications of the theory content that has to be given either in lab, skill training centres or industry.

9.2 The medium of instruction shall be in English or Kannada as decided by the Board of Studies (BOS). However, the students have to write the exam in English only.

9.3 Credits: One hour session of lecture per week amount to one credit. Two-hour session of tutorial or practical per week amounts to one credit. For the purpose of a teacher, one hour of lecture session, one hour of tutorial session and one hour of practical session are all equal to one hour of workload.

10 BLENDED MODES (BL) AS A NEW MODE OF TEACHING-LEARNING

Blended learning (BL) mode is to be used to help learners develop 21st century skills along with the effective learning and skill development related to the subject-domains. Every institute should strive to be a model institute to demonstrate a successful implementation of BL in the higher education of our country.

UGC suggests implementing Blended Mode (BL) as a new mode of teaching-learning in higher education. BL is not a mere mix of online and face-to-face mode, but it refers to a well-planned combination of meaningful activities in both the modes. The blend demands consideration of several factors, mainly focusing on learning outcomes and the learner centered instructional environment.

Implementing BL requires a systematic, planned instructional process. An effective teaching learning process in a blended environment calls for understanding and skills of using appropriate pedagogies with suitable technologies. The UGC Concept Note provides guidelines for implementation of BL.

Pedagogies for Online and Face-to-face Modes

Learner-centered teaching-learning activities include several cognitive processes which enable learners to be communicative, confident, creative and cooperative. Learners in BL environments are not visualised as passive learners, but active learners generating ideas, assimilating knowledge individually and in teams. Once learning resources are provided on an online platform, students sitting in the classroom need not again listen to the instructor. The time, then, can be used for engaging them in activities. Even their online time can be used innovatively for making online sessions more effective and interesting. There are a few learning processes for both online and face-to-face mode.

Higher education learners are adult learners who come with their own world of experience, previous knowledge gained at schooling level and previous years of education, exposure to other sources of knowledge, etc. Even pre-session resources suggested by teachers help them some

knowledge, information. Lecturing of teacher assuming the learners are empty boxes is no more a preferred pedagogy. Learners, instead, can contribute by sharing their knowledge, ideas, and views, either in the classroom or else on online platforms.

BL mode will provide this opportunity to learners to a great extent. Resources can be uploaded and external links can be posted on Learning Management systems prior to classroom sessions. These Out-of-class resources prove useful at least for acquiring information. Once the students study through the resources, classroom time can be utilized fruitfully in discussions. Online platforms such as discussion forums, shared documents, blogs, etc. may be used to help them share their ideas and knowledge on a common platform.

Innovative trends in Evaluation and Assessment

Out-of-box thinking about summative as well as formative evaluation is expected from the teacher implementing BL mode. The following paragraphs throw light on a few innovative strategies. The list is not exhaustive but mentions a few points with the expectation of continuous exploration of such strategies by the teachers.

Summative Evaluation Strategies

Open book examination:

It is a right way to move away from the conventional approach of examination where remembering and reproducing is prime concern. In real functioning beyond formal education, life is all about open book examination. Hence in Higher Education system, we must prepare students for work life by making them acquainted with open book examinations. It will also facilitate better understanding and application of the knowledge with a better potential for its positive impact.

Group examinations even for conventional theory papers:

Such an approach is followed some time for project and also practical lab assessments. But for theory type examinations it is generally not followed. The group examinations once introduced for theory papers can improve the average performance of a class as students would be encouraged to share their knowledge with each other and also help them improve their general understanding.

Spoken / Speaking examinations:

These types different approached can be introduced now with the support of new generation of technologies. They can make examination faster and easier and also can be helpful to students with different abilities

On demand examinations:

In most cases students are forced to write examination in a single go and collectively. However, with advent of new methods which are technology based and also blending of teaching-learning and examinations in new form, it would be a good approach to offer examination on demand to offer more flexibility and student centricity.

Formative Evaluation Strategies Portfolio

ePortfolio is not only a compilation of a few best assignments, activities of a learner throughout the programme, but his/her reflections about the assignments, experience and challenges faced during the process of working on these assignments, overall approach, attitude, philosophy towards life as a learner and also his/her academic resume. ePortfolio is a comprehensive tool which becomes a mirror to a learner for the world.

Creative Products

Innovative Pedagogies and relevant ICT tools enable learners to come out with creative products as an individual or group learning activities. These products are learning experiences in the beginning, but learners should always be given corrective feedback about their outputs. Once feedback is sought, learners need to be given chance to improve on their products and then can be considered for formative evaluation. E.g. preliminary concept-map can be revised after discussion of the topic, summarization and feedback. Revised concept-map can be assessed.

One creative/collaborative activity may then be led towards another product which can be an assessment activity. E.g. Group or individual presentations by self-learning would be a learning activity and not an assessment activity. Once teacher provided corrective feedback during such presentations, learners can be expected to revise the same presentations, add a small write-up/info graph/video to it and submit as an assignment.

Creative assignments such as digital stories, Cartoon strips, drama scripts, eNewsletter, eMagazine, Recorded interviews of stakeholders, Case studies, etc. can be used for formative assessment.

Classroom/Online Quizzes

Though paper-pencil tests, over-use of question-answers may be discouraged for formative assessments, a few ICT tools for quizzes and games can be used eventually for formative assessment.

Use of AI tools for Proctoring as well as assessments:

During the Covid time, many exams were forced to be conducted in an online mode. These were supported by variety of tools which came into being in recent times and were based on proctoring through Artificial Intelligence tools. However, AI as technology can be used for many more assessments like, attention levels, speed of learning, level of learning etc. Hence new tools should be experimented with for examinations and assessments

11. INDUSTRIAL EXPOSURE TRAINING

11.1 In the fifth semester every student may undergo Industrial exposure training in respective industry or training and skill centres conveniently arranged during the course of fifth semester. The head of the institution and the authorized person of the training and skill centre shall issue a certificate to the effect that the student has satisfactorily undergone the industrial training for the prescribed period.

11.2 Industrial training will be evaluated by the University in the form of Training report, Log-book and Viva- voce.

11.3 Evaluation of the Industrial Exposure Training (IET) is for 100 marks and that has been divided into three components.

- a) C1 -30 Marks (Log book & Training Report).
- b) C2-20 Marks (Viva-voce conducted Internal Examiner).
- c) C3- 50 Marks (Viva-voce conducted by External Examiners).

12. SKILL ENHANCEMENT PROGRAMME

12.1 In all the specified semesters there will be a Skill Enhancement Programme that is incorporated in the curriculum, with the aim of achieving appropriate platform and domain skill exposure related to each course and demanded by the industry.

12.2 The skill enhancement programs are evaluated by the University /Institute /Accreditation body. An authorized body will issue performance certificates to the students based on their involvements and efficiency. The students also have to submit a detailed report to the Institute. These Skill Enhancement programmes are devised, monitored and evaluated in keeping with the university guidelines.

12.3 The students can undergo Skill enhancement programmes either in the institute or other institutions /skill training centres /industries. The institute shall facilitate the students those who prefer to do skill enhancement programmes from other institutions /skill training centres /industries (across India and abroad), which are willing to associate with our institute signing Mou.

12.4 The students will have to complete their Skill enhancement programmes to get the skills which are indispensable regarding their career advancement.

12.5 Evaluation of the Skill Enhancement Programme is for 50 marks and that has been divided into three components.

- a) C1 -10 Marks (Skill Enhancement Certificate).
- b) C2 -15 Marks (Skill Enhancement Report evaluated by Internal Examiner).
- c) C3- 25 Marks (Viva-voce conducted by Internal and External Examiners).

13. SCHEME OF ASSESSMENT

Total marks for each course shall be based on continuous assessments and semester end examinations. As per the decision taken at the Karnataka State Higher Education Council, it is necessary to have uniform pattern of 40: 60 for IA and Semester End theory examinations respectively and 50:50 for IA and Semester End practical examinations respectively.

Total Marks for each Theory course=100% Continuous assessment (C1) =20%marks

Continuous assessment (C2) = 20% marks Semester End Examination (C3) = 60% marks

Total Marks for each Practical/Skill course=100% Continuous assessment (C1) =20%marks Continuous assessment (C2) = 30% marks [including 10% for Record/Work book] Semester End Examination (C3) = 50%marks

13.1 Evaluation process of IA marks shall be as follows.

- The first component (C1) of assessment is for 20% marks. This shall be based on test, seminar, case study, field work, project work etc. This assessment and score process should be completed after completing 50% of syllabus of the course/s and within 45 working days of semester program
- The second component (C2) of assessment is for 20% marks. This shall be based on test, assignment, seminar, case study, fieldwork, internship/industrial practicum/project work etc. This assessment and score process should be based on completion of remaining 50 percent of syllabus of the courses of the semester.
- During the 17th – 19th week of the semester, a semester end examination shall be conducted by the Institution for each Course. These forms the third and final component of assessment (C3) and the maximum marks for the final component will be 60% for theory and 50% for Practical/Skill Course.
- In case of a student who has failed to attend the C1 or C2 on a scheduled date, it shall be deemed that the student has dropped the test. However, in case of a student who could not take the test on scheduled date due to genuine reasons, such a candidate may appeal to the Program Coordinator / Principal. The Program Coordinator / Principal in consultation with the concerned teacher shall decide about the genuineness of the case and decide to conduct special test to such candidate on the date fixed by the concerned teacher but before commencement of the concerned semester end examinations.
- The outline for continuous assessment activities for Component-I (C1) and Component-II (C2) of a course shall be as under.

12.2 Outline for continuous assessment activities for C1 and C2

Activities	C1	C2	Total Marks
Session Test	10marks	10marks	20
Seminars/ Presentations/ Activity	10marks		10
Case study/ Assignment/Field work/Record or Work Book/Project work etc.		10marks	10
Total	20marks	20marks	40

12.3 Components of continuous assessment activities for C1 and C2				
	C1		C2	
	Max marks	To be reduced to	Max marks	To be reduced to
Session test	20	10	20	10
Assignment		10	Quiz	05
			Project	05
			Role Play	05
			Charts/Models	05
			Case study	05
			Group discussion	05
			Crosswords	05
			Presentation	05
			Review–movie/Book	05
			presentation	05
			e–content preparation	05
			Any two activities from the above list to be conducted, according to the convenience of teacher depending upon the number of students 5x2 =10marks	
Total		20marks	20 marks	

- a) For practical/Skill course of full credits, Seminar shall not be compulsory. In its place, marks shall be awarded for Practical Record Maintenance. (The ratio is 50% :50%)
- b) Conduct of Seminar, Case study /Assignment, etc. can be either in C1 or in C2 component at the convenience of the teacher concerned.
- c) The teachers concerned shall conduct test / seminar / case study, etc. The students should be informed about the modalities well in advance.
- d) The evaluated courses/assignments of component I (C1) and component II (C2) shall be provided to the candidates and the IA register has to be maintained by the department.
- e) The evaluated courses/ assignments of component I (C1) and component II (C2) shall be maintained at the department till the announcement of the results of the examination of the semester concerned.
- f) The marks of the internal assessment shall be published on the notice board/website of the College for the information of the students.
- g) The Internal assessment marks shall be communicated to the Controller of Examinations at least 10 days before the commencement of the Semester End examination and the Controller of Examinations shall have the access to the records of such periodical assessments.
- h) There shall be no minimum in respect of internal assessment marks.

- i) Internal assessment marks may be recorded separately. A candidate, who has failed or rejected the result, shall retain the internal assessment marks.

14. SUBJECTIVE REGULATIONS:

14.1 Under AECC a candidate has to study English and additionally choose any ONE of the languages namely, Kannada, French, Malayalam and Hindi.

14.2 Change of languages once chosen will not be permitted during the period of the program.

14.3 In the case of foreign nationals, the requirement of an Indian language may be waived by the University of Mysore. In such an eventuality, the University may permit the foreign national student for private study of choice of any one foreign language. Such a student will not be evaluated for C1 and C2 marks. However, for the final grade calculation of 60 marks of C3 will be equated to 100 marks.

15. ATTENDANCE

15.1 Only those students who are scoring 75% of attendance shall be permitted to take C3 examination for that course.

15.2 A candidate who does not satisfy the minimum attendance percentage (75%) shall re-join the course unless producing medical certificates and paying required fees by obtaining prior permission from the University if needed.

16. BOARD OF EXAMINERS

16.1 There shall be a board of examiners for each course, constituted by the University for scrutinizing and approving the question paper and scheme of evaluation.

16.2 There will be only a single valuation for all the papers.

17 QUESTION PAPER PATTERN

17.1 Internal Assessment Tests (IAT): The IAT will carry a maximum of 20% weightage (20 marks) of total marks of a course.

17.2 SEMESTER END EXAMINATION (SEE):

The Semester End Examination for all the courses for which students who get registered during the semester shall be conducted. SEE of the course shall be conducted after fulfilling the minimum attendance requirement as per the University norms. The BOS of the University has prepared the SEE framework and the question paper pattern for SEE is presented below for 60 marks.

PATTERN OF QUESTION PAPER

TIME: 2 HOURS MARKS: 60

PART – A

Answer any FIVE out of Eight questions. Each question carries 3 marks. (5x3= 15)

1. -----
2. -----
3. -----
4. -----
5. -----
6. -----
7. -----
8. -----

PART – B

Answer any THREE out of Five questions. Each question carries 5 Marks. (3x5 =15)

8. -----
9. -----
10. -----
11. -----
12. -----

PART – C

Answer ONE of Two questions. Each question carries 15 Marks (1x15=15)

13. -----
14. -----

PART – D

Answer ONE of Two questions. Each question carries 15 Marks (1x15=15)

15. -----
16. -----

18. CONDUCT OF EXAMINATIONS

- a) A candidate shall register for all the courses/papers of a semester for which he/she fulfills the requirements, when he/she appears for the examination of that semester for the first time.
- b) There shall be Theory and Practical examinations at the end of each semester, ordinarily during November-December for odd semesters and during May-June for even semesters, as prescribed in the Scheme of Examinations.
- c) Unless otherwise stated in the schemes of examination, practical examinations shall be conducted at the end of each semester. They shall be conducted by two examiners, one internal and one external. The statement of marks sheet of practical examinations shall be sent to the office of the Controller of Examinations by the respective departments immediately after the practical examinations.
- d) The candidate shall submit the record book for practical examination duly certified by the course teacher and the H.O.D/staff in-charge. It shall be evaluated at the end of the Semester during the practical examination.

19. MINIMUM REQUIREMENTS FOR A PASS:

- a) No candidate shall be declared to have passed the Semester Examination as the case may be under each course/paper unless he/she obtains not less than 35% marks in theory examination /practical examination and 40% marks in the aggregate of theory / practical examination and internal assessment put together in each of the courses and 40% marks (including IA) in Project work and viva wherever prescribed.
- b) A candidate shall be declared to have passed the program if he/she secures at least 40% of marks or a CGPA of 4.0 (Course Alpha-Sign Grade P) in the aggregate of both internal assessment and semester end examination marks put together in each unit such as theory papers / practical / fieldwork / internship / project work / dissertation / viva-voce, provided the candidate has secured at least 40% of marks in the semester end examinations in each unit.
- c) The candidates who pass all the semester examinations in the first attempt only are eligible for ranks, provided they secure at least CGPA of 6.00 (Alpha-Sign Grade B+)
- d) A candidate who passes the semester examinations in parts (more than one attempt) is eligible only for a Class, CGPA and Alpha-Sign Grade but not for ranking.
- e) The results of the candidates who have passed the last semester examination but not passed the lower semester examinations shall be declared as NCL (Not Completed the Lower Semester Examinations). Such candidates shall be eligible for the degree only after completion of all the lower semester examinations.
- f) If a candidate fails in a subject, either in theory or in practical, he/she shall appear for that subject only at any subsequent regular examination, as prescribed for completing the programme. He/she must obtain the minimum marks for a pass in that subject (theory and practical, separately) as stated above.
- g) Candidates who fail in lower semester examinations may go to the higher semesters

and take the lower semester examinations

20. CLASSIFICATION OF SUCCESSFUL CANDIDATES

An alpha-sign grade, the eight-point grading system, as described below may be adopted. The declaration of result is based on the Semester Grade Point Average (SGPA) earned towards the end of each semester or the Cumulative Grade Point Average (CGPA) earned towards the completion of all the eight semesters of the programme and the corresponding overall alpha-sign grades. If some candidates exit at the completion of first, second or third year of the four years Undergraduate Programmes, with Certificate, Diploma or the Basic Degree, respectively, then the results of successful candidates at the end of second, fourth or sixth semesters shall also be classified on the basis of the Cumulative Grade Point Average (CGPA) obtained in the two, four, six or eight semesters, respectively, for the award of

- Certificate in Arts/ Science/ Commerce
- Diploma in Arts/ Science/ Commerce
- Bachelor's Degree in Arts/ Science/ Commerce
- Bachelor's Degree with Honors in a Discipline/Subject

In addition to the above, successful candidates at the end of tenth semester of the integrated Master's Degree Programmes, shall also be classified on the basis of CGPA obtained in the ten semesters of the Programmes. Likewise, the successful candidates of one year or two semester's Master's Degree Programmes are also classified on the basis of CGPA of two semesters of the Master's Degree Programmes.

Final Result / Grades Description

Semester GPA/ Program CGPA	Alpha-Sign / Letter Grade	Semester/Program % of Marks	Result / Class Description
9.00-10.00	O (Outstanding)	90.0-100	Outstanding
8.00-<9.00	A+ (Excellent)	80.0-<90.0	First Class Exemplary
7.00-<8.00	A (Very Good)	70.0-<80.0	First Class Distinction
6.00-<7.00	B+ (Good)	60.0-<70.0	First Class
5.50-<6.00	B (Above Average)	55.0-<60.0	High Second Class
5.00-<5.50	C (Average)	50.0-<55.0	Second Class
4.00-<5.00	P (Pass)	40.0-<50.0	Pass Class
Below 4.00	F (Fail)	Below 40	Fail/Reappear
Ab (Absent)	-	Absent	-

21. REJECTION OF RESULTS:

- A candidate may be permitted to reject result of the whole examination of any semester. Rejection of result course/paper wise or subject wise shall not be permitted.
- The candidate who has rejected the result shall appear for the immediately following examination.
- The rejection shall be exercised only once in each semester and the rejection once exercised shall not be revoked.
- Application for rejection of results along with the payment of the prescribed fee shall be submitted to the Registrar (Evaluation) through the College of study together with the original statement of marks within 30 days from the date of publication of the result.
- A candidate who rejects the result is eligible for only SGPA/CGPA or Class and not for ranking.

22.IMPROVEMENT OF RESULTS

- A candidate who has passed in all the papers of a semester may be permitted to improve the results by reappearing for the whole examination of that semester.
- The reappearance may be permitted during the period of N+2 years (where N refers to the duration of the programme) without restricting it to the subsequent examination.
- The student may be permitted to apply for improvement examination 45 days in advance of the pertinent semester examination whenever held.
- If a candidate passes in all the subjects in reappearance, higher of the two aggregate marks secured by the candidate shall be awarded for that semester. In case the candidate fails in the reappearance, candidate shall retain the earlier result.
- A candidate who has appeared for improvement examination is eligible for class/CGPA only and not for ranking.
- Internal assessment (IA) marks shall be shown separately. A candidate who wants to improve the result or who, having failed, takes the examination again or who has appeared for improvement shall retain the IA marks already obtained.
- A candidate who fails in any of the semester examinations may be permitted to take the examinations again at a subsequent appearance as per the syllabus and scheme of examination in vogue at the time the candidate took the examination for the first time. This facility shall be limited to the following two years.

23 SUBJECTS OF STUDY

23.1 ABILITY ENHANCEMENT COURSES

Ability Enhancement (AE) Courses can be divided into two categories:

- a) AE Compulsory Courses (AECC): The universities may have common curriculum for these papers. There may be one paper each at least in the first four semesters viz.
 - (i) Environmental Studies and (ii) Constitution of India.

In addition to these, two languages shall be studied in the first four semesters of the Undergraduate Programmes.

b) LANGUAGES:

Two languages are to be studied out of which one shall be English and the other shall be either Kannada or an Indian Language or other Foreign language:

The language syllabus and curriculum is prepared by the institution and not mandatory to follow university syllabus and curriculum of the university as required by specialized skill curriculum of respective courses

23.2 SKILL ENHANCEMENT COURSES (SEC): The colleges can offer from a common pool of papers listed by KSHEC/ National Regulatory Bodies such as UGC or GEC/NHERC or the universities may frame some papers, in addition to the list suggested.

24 TRANSFER OF ADMISSION:

Transfer of admissions is permissible only for odd semesters for students of other universities and within the University.

24.1 Conditions for transfer of admission of students within the University.

- A His/her transfer admission shall be within the intake permitted to the college.
- B Availability of same combination of subjects studied in the previous college.
- C He/she shall fulfill the attendance requirements as per the University Regulation.
- D He/she shall complete the programme as per the regulation governing the maximum duration of completing the programme.

24.2 Conditions for transfer admission of students of other Universities.

- a) A Candidate migrating from any other University may be permitted to join odd semester of the degree programme provided he/she has passed all the subjects of previous semesters / years as the case may be. Such candidates must satisfy all other conditions of eligibility stipulated in the regulations of the University.
- b) His/her transfer admission shall be within the intake permitted to the college.
- c) He/she shall fulfill the attendance requirements as per the University Regulation.
- d) The candidate who is migrating from other Universities is eligible for overall SGPA/CGPA or Class and not for ranking.

He/She shall complete the programme as per the regulation governing the maximum duration of completing the programme as per this regulation

- i. **Any other regulations not mentioned above shall be resolved by the Vice – Chancellor in consultation with the designated authorities of the University of Mysore, which shall be final and firm.**
- ii. **Wherever the regulation is silent, the provisions of University regulations are applicable.**

B.Sc. (Animation and VFX)

**Proposed Scheme of Teaching & Evaluation for B.Sc (Basic/Hons) with
Animation & VFX as Core subject.**

Semester I									
Sl. No	Course Code	Title of the Course	SEE		CIE		L+T+P	Total Marks	Credits
			Theory	Practical	C1	C2			
1	AECC1	English - I	60	-	20	20	3+0+0	100	3
2	AECC2	Language – I	60	-	20	20	3+0+0	100	3
4	OEC1	Open Elective I	60	-	20	20	3+0+0	100	3
3	AECC3	Environmental Studies (T)	30	-	10	10	2+0+0	50	2
5	DSCC1	Lab 1: Preproduction– Practical	-	50	20	30	0+2+4	100	3
6	DSCC2	Lab 2: 2D Classical Animation– Practical (Lightbox equipment)– Practical	-	50	20	30	0+2+4	100	3
7	DSCC3	Lab 3: Foundation art – Practical	-	50	20	30	0+2+4	100	3
8	SEC1	Skill Enhancement Script Writer	-	25	10	15	0+2+2	50	2
9	VBC1	Physical Education -Yoga	-	-	10	15	0+0+2	25	1
10	VBC2	Health & Wellness	-	-	10	15	0+0+2	25	1
Total Credit									24

Semester II									
Sl. No	Course Code	Title of the Course	SEE		CIE		L+T+P	Total Marks	Credits
			Theory	Practical	C1	C1			
1	AECC4	English - II	60	-	20	20	3+0+0	100	3
2	AECC5	Language – II	60	-	20	20	3+0+0	100	3
3	DSCC4	Introduction to 2D Digital Animation–	60	-	20	20	3+2+0	100	4
4	DSCC5	Lab 4: 2D Digital Animation- Project	-	50	20	30	0+2+4	100	3
5	DSCC6	Lab 5: Digital art-Project	-	50	20	30	0+2+4	100	3
6	OEC2	Open Elective II	60	-	20	20	3+0+0	100	3
7	SEC2	Skill Enhancement-Still Photography	-	25	10	15	0+2+2	50	2
8	SEC3	Skill Enhancement-Digital Fluency	-	25	10	15	0+2+2	50	2
9	VBC3	NCC/NSS/R&R/CA	-	-	10	15	0+0+2	25	1
10	VBC4	Physical Education-Sports	-	-	10	15	0+0+2	25	1
Total Credit									25

B.Sc. (Animation and VFX)
Course Syllabus & Curriculum

SEMESTER I
ENGLISH I

UNIT I

SHORT STORIES

- A. A DAY'S WAIT
- B. THE TATTERED BLANKET
- C. THE EYES ARE NOT THERE

UNIT II

PROSE

- A. THE GOLDEN TOUCH (MIDAS TOUCH)
- B. THE SELFISH GIANT
- C. LALAJEE
- D. FACE OF JUDAS ISCARIOT
- E. CINDERELLA

UNIT III

POETRY

- A. LUCY GRAY
- B. MATILDA
- C. THE BALLAD OF FATHER GILLIGAN
- D. LAUGH AND BE MERRY
- E. INCIDENT OF THE FRENCH CAMP

UNIT IV

ONE ACT PLAYS

- A. THE INFORMER
- B. THE TRIAL SCENE FROM "THE MERCHANT OF VENICE"

UNIT V

- A. FUNCTION GRAMMAR AND FUNCTIONAL ENGLISH EXERCISES

SEMESTER I- LANGUAGE I

MALAYALAM I

UNIT I

- A. CHERUKADHA ENNA SAHITHYA ROOPAM
- B. VAIKKOM MUHAMMED BASHEER , BASHEERINDE KADHAKALUDE PRATHYEKATHAKAL
- C. KADHAKALUDE VIVARANAM, JANMADINAM, TIGER
- D. AISHUKUTTY , AMMA
- E. VISHWAVIKYATHAYA MOOK , NEELAVELICHAM

UNIT II

- A. NOVEL ENNA SAHITHYA ROOPAM
- B. MALAYATTUR RAMAKRISHNAN , VERUKALILE SHAILIYUM GHADANAYUM
- C. VERUKAL - ADHYAYAM ONN , ADHYAYAM REND
- D. ADHYAYAM MOON , ADHYAYAM NAAL
- E. ADHYAYAM FIVE , ADHYAYAM SIX

UNIT III

- A. ORU MANUSHYAN , POOVAN PAZHAM
- B. THENMAVU , THANKAMOTHIRAM
- C. ETTUKALIMAMMOONJ , BHOOMIYUDE AVAKASHIKAL
- D. MADHAVIKUTTY ENNA EZHUTHUKARI , BALYAKALA SMARANAKAL
- E. BALYAKALASMARANAKAL

UNIT IV

- A. UPANYASAM EZHUTHUMBOL SRADHIKENDAKARYANGAL , SHASTRAPUROGATHI
- B. KERALATHILEKALAKAL , MADHYAMANGALUDE SWADHEENAM ADHUNIKA SAMUHATHIL
- C. VIDHYARTHI RASHTREEYAM , DESHEEYODHGRANTHANAM
- D. SAKSHARATHAYUDE AAVASHYAKATHA , VIDYALAYATHIL KAYIKA PARISHEELANATHINDE AAVASHYAKATHA
- E. LOKHA SAMADHANAM , THOZHILADHISHTITHA VIDHYABHYASAM

UNIT V

- A. ADHYAYAM SEVEN , ADHYAYAM EIGHT
- B. ADHYAYAM NINE , ADHYAYAM TEN
- C. ADHYAYAM ELEVEN , ADHYAYAM TWELVE

D. KADHAPATHRANGAL , RAGHU , MANIYAN ATHIMBAR , YAGNESHWARAYYAR , ADHINARAYANAYYAR

E. KADHAPATHRANGAL , AMMULU , LAKSHMI , GEETHA

SEMESTER I – LANGUAGE I

HINDI I

UNIT I

- A. DR RAJENDRA PRASAD
- B. PREMCHAND
- C. RAMVRIKSH BENIPURI
- D. YASHPAL
- E. MAKREELA
- F. SACHIDANAND HEERANAND VATHSYAYAN “AGNEYA”
- G. BADTHA PANI NIRMALA
- H. GAJANAN MADHAV MUKTHIBODH
- I. HARISHANKAR PARSAYI
- J. NINDA RAS

UNIT II

- A. CHANDRADHAR SHARMA GULERI
- B. PREMCHAND
- C. JAYASHANKAR PRASAD
- D. JAINENDRA KUMAR
- E. BHEESHMA SAAHNI
- F. AMARKANTH

UNIT III

- A. AAPKA BANTI – SARANSH

UNIT IV

- A. ANUVADH ABHYAS

UNIT V

- A. PATHRALEKHAN , SHIKAYATHI PATHRA
- B. VYAVASAYIK PATHRA
- C. POSTMAN KI SHIKAYATH
- D. MOOLYA SOOCHI MANGNE KA PATHRA

SEMESTER – I

LANGUAGE I - FRENCH

Prescribed Text : ALORS I

Units 1-5 : 1 – 5

**Authors : Marcella Di Giura
Jean – Claude Beacco**

**Available at : Goyal Publishers Pvt Ltd
86, University Block
Jawahar Nagar (Kamla Nagar)
New Delhi – 110007**

Name of the Program: B.Sc Animation & VFX

Course Code: B.Sc 1.2

Name of the Subject: Environmental Studies (T)

Course Credits	No. of Hours per Week	Total No. of Teaching Hours
2 credits	5 Hours	72 hours

Pedagogy: Classroom lecture, tutorials, PPT, seminars etc.

Course Outcomes: On successful completion of the course, the Students will

- a) To learn importance of Environment and Natural resources
- b) Know the importance of conservation
- c) Aware of Various environmental issues
- d) To learn Human population and its impact on Environment

Syllabus	Hours
Module no.1 - Multidisciplinary nature of environmental studies	12

Definition, scope and importance. Need for public awareness

Module no.2 – Natural Resources -Renewable and non-renewable resources: - Natural resources and associated problems.	14
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Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people; Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems; Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies; Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies; Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources. Case studies; Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification; Role of an individual in conservation of natural resources; Equitable use of resources for sustainable lifestyles.

Module no.3 - Ecosystems	16
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Concept of an ecosystem; Producers, consumers and decomposers; Energy flows in the ecosystem; Food chains, food webs and ecological pyramids; Introduction, types, characteristic features, structure and function of the following ecosystem; Forest ecosystem ; Grassland ecosystem ; Desert ecosystem ; Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Module no.4 - Biodiversity and its conservation

14

Introduction – Definition: genetic, species and ecosystem diversity; Biogeographical classification of India; Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values; Biodiversity at global, National and local levels; India as a mega-diversity nation; Hot spots of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts; Endangered and endemic species of India; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

Module no. 5 – Environmental Pollution

16

Causes, effects and control measures of :-

Air pollution ,Water pollution ,Soil pollution ,Marine pollution, Noise pollution , Thermal pollution , Nuclear hazards

Solid waste Management: Causes, effects and control measures of urban and industrial wastes.

Role of an individual in prevention of pollution.

Disaster management: - Disasters due to natural calamities such as flood, earthquake, rain, cyclone and landslides; Manmade disasters – crisis due to fires, accidents, strikes; Loss of property and life.

Reference:

1. ErachBharucha, —A Text Book for Environmental Studies, Text Book of University Grants Commission
2. Peavy. H.S.D.R. Rowe and George T, —Environmental Engineering, New York: McGraw Hill
3. Metcalf and Eddy, —Wastewater Engineering: Treatment and reuse, Tata McGraw Hill

Name of the Program: B.Sc Animation & VFX

Course Code: B.Sc 1.3

Name of the Subject: Core Lab 1: Preproduction-:Practical

Course Credits	No. of Hours per Week	Total No. of Teaching Hours
3 credits	3 Hours	66 hours

Pedagogy: Classroom lecture, tutorials, Seminar, lab etc.

Course Outcomes: On successful completion of the course, the Students will have

- a) detailed idea on various methods of screenwriting
- b) Initiate the student the importance of proper structuring of a Story Board
- c) Learn to prepare Concept Art for Animation

Syllabus

Hours

Module no.1 - Introduction to pre production

12

Pre production process, Concept , Story , Research , Cast, The role of Characters , Script writing The language of cinema - Requirement for the script Visualizing the drama - Scenes & Shots - The sense of time , Camera , Features of a good script, Medium and Formats

Module no.2 Screenwriting

14

What is a Script, Difference between Script and Story, Difference between Script and Play, writing for Animation, Difference between Animation Script and Live Action Script. Anatomy of a Script, Script Elements and Scene Heading , Action, Characters. Dialogue - Parenthetical - Extension - Transition - Shots - Page Breaking, Finer Points, Dual Dialogue, and Adlibs - Abbreviations and Montages - A Series of Shots and Short Lines/Poetry/Lyrics – transitions, continuity

Module no.3 Visual composition

12

Introduction to visual composition and framing Elements of Visual composition, Positive and Negative space Principles of composition - eg Balance, Weight, Rhythm, Harmony, symmetry Colour, Texture, Form, Light Perspective Space, Rules of composition ,Character Design – Anthropomorphism , Personality , Appeal , Character Bible ,Model sheet .

Module no.4 - Storyboard

16

What is Storyboard, Importance of Storyboard, difference between storyboard and Graphic Comic, Difference between Storyboard and Presentation Board, Advantages of Storyboard in Animation, Anatomy of a Storyboard, Thumbnail Storyboard, .Advanced Storyboard Techniques, Various Camera Shots and Camera Moves and their meaning, Transitions, Aspects of the story board,animatics

Module no. 5 – Concept Art and Story Sketches

12

Period - Historic/Scientific facts, Society Costumes Props, Food etc.Illustration, Anatomy, Rendering your drawings, Techniques and styles, Inking – Graphic styles, Text – as image, Page Elements and Composition, Projecting figures in Deep space, Framing and Composition, Perspective and Camera.

Skill Developments Activities:

1. Story and scripting exercise for a short video
2. Character sketching Assignment for a given story
3. Story board preparation for the scripted screenplay

Books for Reference:

1. Framed Ink: Drawing and Composition for Visual Storytellers Sep 2010 by Jeffrey Katzenberg
2. Gesture Drawing for animation-Walt stanchfield
3. Gene, franks, “The art of pencil drawing”, Walter Foster Publisher, 2004
4. Lois Fichner-Rathus, Foundations of Art and Design,Wadsworth Publishing; First edition , 2007

Name of the Program: B.Sc Animation & VFX

Course Code: B.Sc 1.4

Name of the Subject: Core Lab 2: 2D Classical Animation :Practical

Course Credits	No. of Hours per Week	Total No. of Teaching Hours
4 credits	5 Hours	72 hours

Pedagogy: Classroom lecture, tutorials, PPT, 2D lab etc.

Course Outcomes: On successful completion of the course, the Students will have

- a) To achieve an overall idea of 2D Animation
- b) To achieve technical knowledge about 2D Animation
- c) Imparting knowledge on visual composition and movement.

Syllabus	Hours
Module no.1 - List of Practicals (Mechanics)	34
Rolling coin Uniform; Rolling coin Harmonic; Bouncing Ball, Pendulum with Thread (follow through) ; Double Pendulum ,Hand Lift,Flag	
Module no.2 – List of Practicals (Bio-Mechanics)	38

Bird flight (Cut out),Man Jump, Head Turn, Man Walk, Front Walk, Run Cycle, Animal Walk, Sfx – Water

Skill Developments Activities:

1. Practical sessions
2. 2. Practical assignment given based on each topics covered

Practical Break up of marks for Examination

Practical exam	50 marks
Internal assessment	50 marks
Total	100 Marks

Reference:

1. The Animator's survival Kit by Faber and Faber limited, London
2. Gesture Drawing for animation-Walt Stanchfield
3. Cartoon animation by Preston Blair
4. Exploring Drawing For Animation“, New York : Thomson Delmar Learning, 2004
5. Andrew Loomis; „Creative Illustration-1947“, Titan Books London, UK.2012.
6. George B. Bridgman; „Constructive Anatomy (Dover Anatomy for Artists)“, Dover Publications, New York City, 1973.
7. George Bridgman; „Bridgman's Complete Guide to Drawing from Life“ , Re-Edition, Sterling Publishing Co., Inc. New York. 2001.
8. Timing for Animation by John Halas & Harold Whitaker

Name of the Program: B.Sc Animation & VFX

Course Code: B.Sc 1.5

Name of the Subject: Core Lab 3: Foundation art – Practical

Course Credits	No. of Hours per Week	Total No. of Teaching Hours
4 credits	5 Hours	72 hours

Pedagogy: Classroom lecture, tutorials, PPT, lab etc.

Course Outcomes: On successful completion of the course, the Students will

- a) Have a very good knowledge of basics of drawing and material handling and Understanding.
- b) Understand the light and dark and transition of the total value.
- c) Gaining the composing knowledge of landscape and cityscape drawing and painting.
- d) Understand the face feature and its measurements
- e) Understand the usage of positive and negative space in a design composition.

Syllabus	Hours
Module no.1 - Free hand drawings	12

Freeing the hand, Learning how to use the Pencil and avoid eraser, Holding the pencil, Types of pencil grip, Strokes, Parallel lines, Horizontal, Vertical and Directional lines, Curved Lines, Circles, and Scribble Drawings. **Gesture drawings** Introduction to Gesture drawings, (6B Pencils in newsprint sheets), Gesture drawings of objects, Object study, Still life, Practice of Gesture drawing of more than one person.

Module no.2 – Shapes and forms	14
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Basics of shapes and forms, Volume studies **light and shade:** Basics of Light and Shade with practice - Values of light, the effects of light on objects, high lights, middle tone and dark tone areas

Module no.3 - Perspective	16
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Rules of Perspective - The horizon line, The Vanishing point, One Point Perspective, Two Point Perspective, Three Point Perspective, Perspective Drawing – Practice, Basic application of Perspective in object drawing, Applying perspective in composition.

Module no.4 - Figure drawings

14

Introduction to figure drawing, Learning stick figures, Practice with stick or line figures.

Mannequin drawings Adding Volume–Drawing figures in blocks, Foreshortened drawings of human figures, Drawings from different eye levels.

Anatomical study Learning about proportions of Human anatomy, Concept of heads, Male female and children, Basics introduction to human anatomy, Practice of male and female proportions

Module no. 5 – Colour theory

16

Introduction to painting, Colours and tones, Introduction to painting tools, Introduction to mediums, learning to apply colour Colour wheel, Primary colour, Secondary colour, Tertiary colour, Monochrome, charcoal work, pastel works,

Skill Developments Activities:

1. A drawing record book will be kept with each student for compiling the assignments
2. Assignments include Human anatomy drawing, object drawing ,freehand drawing etc

Practical Break up of marks for Examination

Area I- Pencil/painting

Area II- Spray Painting

Area III- Cartoons

Area IV - Record

Reference:

1. Novak and Henry C. Spencer, "Basic Technical Drawing," Student Text, Glencoe/McgrawHill; 6th Revised edition, March 1994
2. Wayne Enstice and Melody Peters, "Drawing: Space, Form, and Expression," Pearson, 2 edition, Aug. 7. 1995.
3. Philip W. Metzger "The Art of Perspective", North Light Books; illustrated edition, 2007
4. Wolf Rachel, "Basic Drawing Techniques", North Light Books, Sept. 15 1991.

SKILL ENHANCEMENT COURSE 1 (SEC 1)
SCRIPT WRITER & STORY BOARD ARTIST

Contents

- Introduction - creative writing
- Ideation, information gathering
- Synopsis and story
- Screen play
- Character
- Plot
- Dialogue
- 3 act structure
- Other situations that influence screenplay
- Writing for screenplay
- Introduction to story board drawing
- Understanding script basics
- Human anatomy
- Perspective drawing
- Framing and composition for story board
- Shots
- Camera angles for story board
- Camera movements for story board
- Opening shots and basic acting
- Animatics

SEMESTER II
ENGLISH II

UNIT I POETRY

- | | |
|---|------------------|
| A. THE PALANQUIN BEARERS | : SAROJINI NAIDU |
| B. NEXT , PLEASE | : PHILIP LARKIN |
| C. MIRROR | : SYLVIA PLATH |
| D. OZYMANDIAS | : R.B. SHELLEY |
| E. THE LAMENTATION OF THE OLD PENSIONER | : W.B. YEATS |

UNIT II PROSE

- | | |
|--|-------------------|
| A. MY EARLY DAYS | : APJ KALAM |
| B. HEADACHE | : R K NARAYAN |
| C. HOW TO ESCAPE FROM INTELLECTUAL RUBBISH | : BERTRAND RUSSEL |
| D. MARRIAGE IS A PRIVATE AFFAIR | : CHINUA ACHEBE |
| E. THE TOWN BY THE SEA | : AMITAV GHOSH |

UNIT III ONE ACT PLAYS

- | | |
|-------------------------|----------------|
| A. THE NEVER NEVER NEST | : CEDRIC MOUNT |
| B. THE FORUM | : SHAKESPEARE |

UNIT IV SHORT STORY

- | | |
|------------------------------|-----------------|
| A. TWO GENTLEMEN OF VERONA | : A.J. CRONIN |
| B. TWO GIFT OF THE MAGI | : O. HENRY |
| C. THE MODEL MILLIONAIRE | : OSCAR WILDE |
| D. THE UNICORN IN THE GARDEN | : JAMES THURBER |
| E. THE PORTRAIT | : A. HUXLEY |

UNIT V COMMUNICATING ACCURATELY, APPROPRIATELY AND FLUENTLY

- A. AGREEING AND DISAGREEING
- B. SEEKING AND GIVING PERMISSION
- C. PERSUADING AND DEBATING
- D. SOUNDS AND SYMBOLS IN ENGLISH
- E. WORD AND SENTENCE STRESS
- F. EFFECTIVE USE OF INTONATION

INTERPERSONAL COMMUNICATION

- A. EFFECTIVE LISTENING
- B. UNDERSTANDING THE AUDIENCE
- C. PERCEPTUAL CLARITY
- D. CHANNEL AWARENESS
- E. ROLE OF NON VERBAL COMMUNICATION
- F. PRAGMATICS

SEMESTER II- LANGUAGE II

MALAYALAM II

UNIT I

- A. SHRI CHITHIRATHIRUNAAL
- B. UTHSAVAMATATHILE KOCHUTHAMBURATTI
- C. SETHUPARVATHIBHAIYUDE KOUMARAM
- D. REGENCY BHARANAM
- E. ORU SAHODARI PIRAKUNNU

UNIT II

- A. SREE CHITHIRATHIRUNAAL AVASANATHE NADUVAZHI
- B. RAJYABHARANAM
- C. KSHETRA PRAVESHANA VILAMBARAM
- D. SIR C P YUDE THIRODHANAM
- E. SREE CHITHIRA YUGAM AVASANIKUNU

UNIT III

- A. UROOB
- B. THIRAKADHA ENNA SAHITYAROOPAM
- C. NEELAKUYIL - ITHIVRITHAM
- D. NEELAKUYILILE SREEDHARAN NAIR
- E. SHANKARAN NAIR ENNA KADHAPATHRATHINDE SAVISHESHATHAKAL

UNIT IV

- A. NEELAKUYIL
- B. LAKSHMIYAMMA
- C. NAMBOOTHIRI
- D. CHATHAPPAN
- E. MOITHU

UNIT V

- A. EESHWARAN ARASTIL
- B. N N PILLAYUDE NADAKATHINDE PRATHYEKATHAKAL
- C. EESHWARAN ARASTIL - RANGAM ONN
- D. EESHWARAN ARASTIL - RANGAM REND
- E. KADHAPATHRANGAL - EINSTEIN , EESHWARAN , PISHACH

SEMESTER II- LANGUAGE II

HINDI II

- KABEER
- SURDAS
- THULASIDAS
- RAHEEM
- MEERABHAI
- SURYAKANTH THRIPATI 'NIRALA'
- SUMITHRANANDAN PANTH
- MAHADEVI VARMA
- RAMDHARISINGH DINKAR
- HARIVANSHRAI 'BACHAN'
- AAGNEYA
- BHAVANIPRASAD MISHRA
- GAJANAN MADHAV MUKTHIBODH
- NAGARJUNA
- KEDARNATH AGARWAL
- DHARMAVEER BHARATHI
- SARVESHWAR DAYAL SAKSENA
- KEDARNATH SINGH
- HINDI SAHITYA KA SARAL ITHIHAS –KAAL VIBHAJAN
- ARTHALANKAR

SEMESTER II

ELEMENTARY FRENCH

OBJECTIVE

To enable the students to write simple sentences in French, to translate simple sentences from French to English and from English to French. To converse in simple language in French.

OUTCOME

The student will have full knowledge of the basic grammatical structures of the French language. They should be able to read and translate information related to hotel Industry.

UNIT - I

Introduction to the languages, Letters of alphabet and their pronunciation, Different accents used in written French, distinction between vowels and consonant words. Self introduction (Name, Age, Nationality, Profession, etc). Presenting and introducing another person, Greetings - How to reply to greetings, at the Reception desk of a hotel, restaurant etc.

UNIT - II

French terms - Fruits, Vegetables, Beverages, Meat, Egg, Fish, Etc. Utensils used in Kitchen and Restaurant, Name of the Personnel's in Hotel, Restaurant and Kitchen.

UNIT - III

Numerical from 1 to 100 the time of the day. Menu items in French term for Breakfast, Lunch and Dinner. Compilation of French menu for Breakfast, Lunch and Dinner. Culinary terms in French - French to English - English to French.

UNIT - IV

Conversation related to Restaurant - Simple conversation asking for menu card, placing Order for food, asking for wine, Beer, Coffee, Tea. Conversation related to Front Office - Asking for room - enquiring for facilities, asking for rates of room - checkout time.

REFERENCE BOOKS

- 1. Apprends les Francais – Publisher Saraswati House New Delhi.*
- 2. La Langue et La civilization Francaises – G Mauger*
- 3. S.Bhattacharya - French for Hotel Management and Tourism - Frank Bros and Co. publishers limited.*
- 4. Rajeswari Chandrasekar, Rekha Hangal, Chitra Krishnan - A Votre Service 1- General Book Deport, 1691, Delhi*

Name of the Program: B.Sc Animation & VFX

Course Code :B.Sc 2.2

Name of the Subject: Introduction to 2D Digital Animation – Theory

Course Credits	No. of Hours per Week	Total No. of Teaching Hours
4 credits	5 Hours	72 hours

Pedagogy: Classroom lecture, tutorials, PPT, lab etc.

Course Outcomes: On successful completion of the course, the Students will

- a. Create 2D characters and environments that reflect the integration of graphic clarity, Design Principles, animation principles and concepts.
- b. Incorporate technology effectively in the development of animation projects.
- c. Communicate ideas, believable action and emotion effectively by employing principles of animation and development in all aspects with layer concepts

Syllabus	Hours
Module no.1 : Introduction to Animation	12

Types of animation, the traditional process, principles of animation : stretch and squash, timing and motion, anticipation, staging, follow through and overlapping action, straight ahead action and pose to pose action, slow in and out, arcs, exaggeration, secondary action, appeal, solid drawing

Module no.2 : Flash animation concepts	14
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The timeline, symbols, tweening, easing in and out, hinging symbols, script writing: importance of script, conflict, anatomy of screenplay, scenes, slugline, action, dialogue, create and character in flash,Bg designing, cloud animation, props animation, title animation

Module no.3 : Storyboard	16
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Creating a story board, basic camera shots, Ball animation camera moves – zoom in/zoom out , truck in/truck out, camera transitions, the walk cycle , simple four leg walk animation , turn around animation , the cut , fade in/fade out , dissolve , blur, pan or zip pan

Module no.4 : Audio

14

Creating and importing audio into Flash , sound recording tips ,importing audio elements and managing audio files , editing audio in Flash , using outside software , preparing the timeline for Audio, lip synching , basic cartoon phonetics and vocalization, the vowels – consonant sounds – making words , Animate dialogue

Module no. 5 : Animation process

16

Animating the shadow , preparing the character for animation , dissecting the body parts into separate symbols , creating symbols , setting pivot points , rigging , creating scenes for an animated story , special effects – create fire,water,smoke from car.

Skill Developments Activities:

1. 2D character designing assignment using software
2. Audio assignments
3. 2D animation short video assignments

Practical Break up of marks for Examination

Record

Practical session 1

Practical session 2

Project

Books for Reference:

1. Bill Davis, Creating 2D animation in a small studio , GGC Publishing , 2006
2. Sandro Corsaro and Clifford J. Parrott, Hollywood 2D Digital Animation: The New Flash Production Revolution ,Course Technology PTR; 1 edition , 2004
3. Tony White, Animation from Pencils to Pixels: Classical Techniques for the Digital Animator , Focal Press; 1 edition, 2006
4. Steve Roberts, Character Animation: 2D Skills for Better 3D,Focal Press; Second edition, 2007
5. Hedley Griffin, The Animator's Guide to 2D Computer Animation, Focal Press, 2000

Name of the Program: B.Sc Animation & VFX

Course Code: B.Sc 2.3

Name of the Subject : 2D Digital Animation (Project)

Course Credits	No. of Hours per Week	Total No. of Teaching Hours
3 credits	5 Hours	72 hours

Pedagogy: Classroom lecture, tutorials, PPT, 2D lab etc.

Course Outcomes: On successful completion of the course, the Students

- a) Will attain the fundamental skills to produce traditional style animation as well as puppet animation and the knowledge of the principles of animation to be built upon in subsequent courses leading up to the Portfolio course.
- b) Students can also apply skills learned in this class in other areas including motion graphics, stop motion and basic traditional animation.

Syllabus	Hours
List of Practicals	12

1. Character Tracing.
2. Coloring to trace character.
3. Light & shades to an object/character.
4. Solar System With Guide Layer.
5. Image or Text Masking.
6. Animating a text- Bouncing.
7. Ball - Rolling Coin.
8. Walk cycle -Story making.
9. Special Effects
10. Dialogue Animation

Practical Break up of marks for Examination

Record

Practical session 1

Practical session 2

Project

Books for Reference

1. Bill Davis, Creating 2D animation in a small studio , GGC Publishing , 2006
2. Sandro Corsaro and Clifford J. Parrott, Hollywood 2D Digital Animation: The New Flash Production Revolution ,Course Technology PTR; 1 edition , 2004
3. Tony White, Animation from Pencils to Pixels: Classical Techniques for the Digital Animator , Focal Press; 1 edition, 2006
4. Adobe Flash Professional CS5 Classroom in a Book by Adobe Creative Team, Adobe Press , 2010
5. Adobe Flash Professional CS5 on Demand by Steve Johnson, Que Publishing, 2010

Name of the Program: B.Sc Animation & VFX

Course Code: B.Sc 2.4

Name of the Subject : Digital art (Practical)

Course Credits	No. of Hours per Week	Total No. of Teaching Hours
4 credits	5 Hours	72 hours

Pedagogy: Classroom lecture, tutorials, PPT, lab etc.

Course Outcomes: On successful completion of the course, the Students will have

- a) Awareness about Graphical Medias
- b) An in-depth knowledge about The role and responsibilities of a Graphic Designer
- c) To train them to effectively manage a Digital Graphic media production.

Syllabus	Hours
Module no.1 : Design fundamentals	12

Characteristics of a good design , visual composition , Elements of design – point , line , shape , form/space , value/tone , texture , colour – principles of design – balance , emphasis , dominance , harmony , unity , contrast , repetition , rhythm , proportion – creativity , importance of creativity , developing creativity, Principles of design, Elements of design

Module no.2 : Typography	14
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Typeface anatomy , measurements , typeface classifications , type families , spacing and alignment , selecting appropriate fonts , tips and techniques , Graphics – importance of graphics types of graphics – vector graphics , raster graphics – image manipulation , format conversion , crop and scale , silhouetting , colour manipulation , edge and transparency , assembling images , filtering , envelope/containers.

Module no.3 : Introduction to Adobe Photoshop	16
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Opening Files , Using Adobe Bridge , Working with Bitmap and Vector images , Using the tools – Using the Options bar , Undoing Actions in Photoshop , Using Context menu , Customizing the workspace- , Creating a new file , Using the painting and editing tools , Flatten image , Selection tools , Inversing selection , Feathering , Using the various selection tools , Adding to and subtracting from selections , Duplicating layers , Cropping , Paths ,Using the Pen tool , Layer styles ,Clipping masks, Creating vector masks

Module no.4 : Creating Advertisements

14

About Type, Actions, Using Filters, About Blending modes, Warping Type layers, Adjustment Layers, Masking Layers, Creating and Editing Layer masks, Applying smart filters ,Scanning images, Creating a leaflet, Creating logos

Module no. 5 : Advanced options

16

Creating Special Effects, Preparing Images for Printing – Desaturating a Image,Hue/Saturation command , Defining pattern – Working with Channels , Using the Auto Color command , Using the Clone stamp tool , Using the Clone source panel ,Using the Healing brush tool , Using the Patch tool , Removing the red eye – Creating Monochrome images

Skill Developments Activities:

1. Assignments given for Creating Graphical Posters under given instructions
2. Making a Portfolio by creating number of media contents based on the composition guidelines
3. Different topics given for media creation every week

Practical Break up of marks for Examination

Practical session 1 50 marks

Internal Assessment 50 marks

Total 100 Marks

Books for Reference

1. Adobe Photoshop CS5 for Photographers by Martin Evening, Focal Press; Pap/DVD edition (May 24, 2010)
2. Adobe Photoshop CS5 Classroom in a Book by Adobe Creative Team, Adobe Press , 2010
3. Led Well, William, “Universal Principles of Design”, Rock Fort Publisher, 2003
4. Carter, David, E, “The Big Book of Design Ideas”, Collins Design, 2005
5. Davis, Graham, “The Designer's Tool Kit 1000 Colours”, Chronicle Books, 2007

Name of the Program: BSc Animation & VFX

Course Code: BSc 2.5

Name of the Subject : Skill Extension Activity I

Subject: Still Photography (Practical)

Course Credits	No. of Hours per Week	Total No. of Teaching Hours
2 credits	3 Hours	46 hours

Pedagogy: Classroom lecture, tutorials, PPT, indoor & outdoor shoot etc.

Course Outcomes: On successful completion of the course, the Students will have

1. To identify history and trends of still photography.
2. Demonstrate proficiency in producing different light qualities for impact and effect create and compose fashion oriented people shots on location utilizing lighting augmentation.
3. It develops the skills for how to create a studio still life of fashion.

Syllabus	Hours
Module no.1 : Introduction to Photography	8

Introduction & brief History of photography, Evolution, Language and meaning, Principles of still camera, Parts of a still camera and its functions

Module no.2 : Cameras & Accessories	9
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Types of cameras and Accessories: Point-and-Shoot .Cameras, High-end Consumer Cameras, Digital Single Lens Reflex Cameras (Digital SLR), Digital Rangefinder, Tripod:- qualities , type ,functions – Flash; types & Functions, Negative Film, Reversal Film, Lighting.

Module no.3 : Framing and composition	9
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Simple Rules for Framing Human Subjects , Headroom , Subjective vs Objective Shooting Styles , Look Room , The Rule of Thirds , Camera Angle , Horizontal Camera Angles , Vertical Camera Angles , High Angle Shot , Low Angle Shot. The Two-Shot: Frame Composition with Two People, The Profile Two-Shot , The Direct to Camera Two-Shot, The Over-the-Shoulder Two-Shot , Wrapping up the Basics of Composition.

Module no.4 : Basics of Photography

10

Aperture, F-stop, T stops, Depth of field, factors determines depth of field, hyperfocal distance, depth of focus, lenses and focal length, focal plane, angle of coverage and characteristics of of lenses, the setting of aperture and shutter and how they are relatively and arithmetically arranged, types of shutter, Types of photography.

Module no. 5 : Basics of lighting

10

General Lighting Concepts, Foot candles, Kelvin, Ambient Light, Light Color, Fundamentals of Lighting, natural and artificial light source, basic portrait lighting, lighting ratio, key light ,fill light, three point lighting.

Skill Developments Activities:

1. Product Photography Assignments
2. Fashion Photography Assignments
3. Nature Photography Assignments
4. Theme Based Photography Assignments

Practical Break up of marks for Examination

Practical exam 25 marks

Internal assessment 25 marks

Total 50 Marks

Books for Reference

1. The book of photography JOHN HEDGE COE
2. The camera Book ,Ansel Adams
3. The text book of Digital Photography,Dennis p Curtin
4. The Digital Photography Handbook: An Illustrated Step-by-step Guide by Doug Harman
5. Digital Photography an Introduction by Tom Ang

COURSE STRUCTURE – B.Sc (Animation & VFX)

SEMESTER	CORE - DSCC		ELECTIVE			ABILITY ENHANCEMENT COURSES			TOTAL CREDIT		
	COURSE	CREDIT	DSEC COURSE	CREDIT	OEC COURSE	CREDIT	SEC/VBC COURSE	CREDIT		AECC COURSE	CREDIT
SEM I	DSC 1	3					SEC 1	2	AECC 1	3	24
	DSC 2	3			OEC 1	3	VBC 1	1	AECC 2	3	
	DSC 3	3					VBC 2	1	AECC 3	2	
SEM II	DSCC 5	4					SEC 2	2	AECC 4	3	25
	DSCC 6	3			OEC 2	3	SEC 3	2	AECC 5	3	
	DSCC 7	3					VBC 3	1			
							VBC 4	1			

DSCC: Discipline Specified Core Courses

DSCC: Discipline Specified Elective Core Courses

OE: Open Elective Courses

SEC: Skill Enhancement Course, VBC= Value Based Courses

AECC: Ability Enhancement Compulsory Courses