

**School of Architecture, Science and Technology (AST)
Yashwantrao Chavan Maharashtra Open University**

**AST School Prospectus
2019
for
Diploma, UG & PG
Programmes**

Essential Information about all Academic Programmes from School of
Architecture, Science and Technology

2019

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YCMOU ACADEMIC CALENDAR

General University Academic Calendar is given in YCMOU Common Prospectus: 2019. Student shall refer this general and Programme specific calendar given below.

AST SCHOOL PROGRAMME CALENDAR

Teaching-Learning of students admitted in a **single** academic year shall start from **01-Sep.** every year. **(For all Programmes)**

SN	Activity Description	Odd semesters like 01, 03, 05 and 07 From 01-Sep Till 31-Jan	Even semesters like 02, 04, 06 and 08 From 01-Feb Till 31-Jul
Admission: offered on Annual basis collectively for 2 semesters in each academic year.			
01	Fresh and Further Yearly Admission	From June Till Aug	NA
Teaching - Learning			
02	Teaching – Learning (16 Weeks) & Backlog Clearing	From 01-Aug Till 21-Nov	From 01-Feb Till 23-May
End Exam (EE) Form Submission (Required only for Repeater Students)			
03	Online EE Form Submission by SCs/ students at University	On or Before 21-Oct	On or Before 23-Apr
Continuous Assessment (CA) Submission			
05	CA Availability	From 01-Sep Till 21-Nov	From 01-Mar Till 23-May
06	CA Submission by Students	From 01-Nov Till 30-Nov	From 01-May Till 31-May
End Examination (EE)			
07	End Exam for Theory Courses	From 25-Nov to 05-Dec	From 25-May to 05-Jun
08	EE for Activity Courses (Pr, TW, PW, STW, SV)	Immediately after the last day of end exam for theory courses, but positively before 15-Dec	Immediately after the last day of end exam for theory courses, but positively before 15-Jun
10	End Exam Result Declaration	On or Before 31-Jan	On or Before 31-Jul
Semester End Vacation			
11	Semester End Vacation	Jan	July

SCHEDULE FOR **WITHDRAWN PROGRAMMES**

Schedule of Last Further Admission Time Slot and End Exam for **Withdrawn Programmes**

SN	Programme Details	Last Further Admission Time Slot	Last End Exam
Architecture and Design Diploma: 01, UG: 02, PG: 04, Total: 07			
01	V40: Foundation Diploma in Architecture and Design (FDAD) {2011 Pattern}: 2 Years duration, withdrawn in 2016	During Jun-Aug 2018	Nov-Dec 2020
02	V22: B.Arch. (General) {2010 Pattern}: 5 Years duration, withdrawn in 2016	During Jun-Aug 2021	Nov-Dec 2023
03	V41: M.Arch. (General) {2011 Pattern}: 2 Years duration, withdrawn in 2016	During Jun-Aug 2018	Nov-Dec 2020
04	V42: M.Arch. (Const. Mgmt.) {2011 Pattern}: 2 Years duration, withdrawn in 2016	During Jun-Aug 2018	Nov-Dec 2020
05	V43: M.Arch. (Env. Arch.) {2011 Pattern}: 2 Years duration, withdrawn in 2016	During Jun-Aug 2018	Nov-Dec 2020
06	V44: M.Arch. (Urban and Regional Planning) {2011 Pattern}: 2 Years duration, withdrawn in 2016	During Jun-Aug 2018	Nov-Dec 2020
07	V28: B.Des. {2014 Pattern} 4 Years duration, Withdrawn in 2018	During Jun-Aug 2022	Nov-Dec 2022
Science UG: 08, PG: 08, Total: 16			
01	T80- B.Sc. (Bio-Informatics): 3 Years duration, withdrawn in 2015	During Jun-Aug 2018	May-Jun 2021
02	T82- B.Sc. (Bio-Technology) {2006 Pattern}: 3 Years duration, withdrawn in 2015	During Jun-Aug 2018	May-Jun 2021
03	T82: B.Sc.(Bio-Technology) {2015 Pattern}: 3 Years duration, withdrawn in 2016	During Jun-Aug 2019	Nov-Dec 2021
04	V26- B.Sc. (Nautical Science) {2010 Pattern}: 3 Years duration, withdrawn in 2015	During Jun-Aug 2018	May-Jun 2021
05	V45- B.Sc. (Actuarial Science) {2011 Pattern}: 3 Years duration, withdrawn in 2015	During Jun-Aug 2018	May-Jun 2021
06	V45- B.Sc. (Actuarial Science) {2015 Pattern}: 3 Years duration, withdrawn in 2016	During Jun-Aug 2019	Nov-Dec 2021
07	V96- B.Sc. (Actuarial Science) {2016 Pattern}: 3 Years duration, withdrawn in 2019	During Jun-Aug 2022	Nov-Dec 2024
08	T81- M.Sc. (Bio-Informatics): 2 Years duration, withdrawn in 2015	During Jun-Aug 2017	May-Jun 2020
09	T83- M.Sc. (Bio-Technology) {2006 Pattern}: 2 Years duration, withdrawn in 2015	During Jun-Aug 2017	May-Jun 2020
10	T83: M.Sc.(Bio-Technology) {2015 Pattern}: 2 Years duration, withdrawn in 2016	During Jun-Aug 2018	Nov-Dec 2020

SN	Programme Details	Last Further Admission Time Slot	Last End Exam
11	V34 - M.Sc. (Environmental Science), 2 Years duration, withdrawn in 2015	During Jun-Aug 2017	May-Jun 2021
12	V46 - M.Sc. (Actuarial Science) {2011 Pattern}, 2 Years duration, withdrawn in 2015	During Jun-Aug 2017	May-Jun 2021
13	V47 - M.Sc. (Industrial Engineering):2 Years duration, withdrawn in 2015	During Jun-Aug 2017	May-Jun 2020
14	V92 : B.Sc. (Actuarial Science) {2016 Pattern} withdrawn in 2019	During Jun-Aug 2022	May-Jun 2024
15	V46 : M.Sc. (Actuarial Science) {2015 Pattern} withdrawn in 2019	During Jun-Aug 2021	May-Jun 2023
16	V57 : M.Sc. (Mathematics) {2015 Pattern} withdrawn in 2019	During Jun-Aug 2022	May-Jun 2024
Technology and Engineering Diploma: 03, UG: 04, Total: 07			
01	V55 : Diploma in Electrical Engg.{2014 Pattern}: 3 Years Duration, withdrawn in 2016	During Jun-Aug 2019	Nov-Dec 2021
02	V62 : Diploma in Mechanical Engg.{2012 Pattern}: 4 Years Duration, withdrawn in 2016	During Jun-Aug 2020	Nov-Dec 2022
03	V63 : Diploma in Electronics and Telecommunication Engg.{2012 Pattern}: 4 Years Duration, withdrawn in 2016	During Jun-Aug 2020	Nov-Dec 2022
04	T34 - B.Tech. (Electronics):6 Years duration, withdrawn in 2010	During Jun-Aug 2017	May-Jun 2020
05	T35 - B.Tech. (Mechanical):6 Years duration, withdrawn in 2010	During Jun-Aug 2017	May-Jun 2020
06	V23 - B.Tech. (Marine):4 Years duration, withdrawn in 2012	During Jun-Aug 2017	May-Jun 2020
07	V61 - B.Tech. (Marine Engg) {2012 Pattern}:4 Years duration, withdrawn in 2015	During Jun-Aug 2020	May-Jun 2023

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T80: B.Sc. (Bio-Inf.) {2006 Pattern}	35
T82: B.Sc. (Bio-Tech.) {2006 Pattern}	36
T82: B.Sc. (Bio-Tech.) {2015 Pattern}	37
V26: B.Sc. (Naut. Sc.) {2010 Pattern}	38
V45: B.Sc. (Act. Sc.) {2011 Pattern}	39
V45: B.Sc. (Act. Sc.) {2015 Pattern}	40
V96: B.Sc. (Actuarial Science) {2016 Pattern}	40
T81: M.Sc. (Bio-Inf.) {2006 Pattern}	41
T83: M.Sc. (Bio-Tech.) {2006 Pattern}	42
T83: M.Sc. (Bio-Tech.) {2015 Pattern}	42
V34: M.Sc. (Env. Sc.)	42
V46: M.Sc. (Act.Sc.) {2011 Pattern}	43
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V46: M.Sc. (Act.Sc.) {2015 Pattern}	44
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T35: B.Tech. (Mech. Engg.) {2004 Pattern}	50
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ABOUT US

ABOUT UNIVERSITY

Yashwantrao Chavan Maharashtra Open University (YCMOU) was established in July 1989 by the 'Act XX-(1989)' of the Maharashtra State Legislature. This university is recognized by the 'University Grants Commission (UGC)' of India. 'The Commonwealth of Learning (COL)' Canada, conferred the prestigious '**Award of Excellence for Institutional Achievement**' for the year 2002 to this university. YCMOU is the first Open University in India, which is honored with this prestigious award. It is the fifth Open University in the country.

The university provides relaxed entry procedures. However, it does maintain its standards from curriculum design to examinations. The university may admit a student even when he is studying in another university / Board or is continuing his professional career. It may not ask for documents like Transfer or Leaving Certificate at the time of admission. At the same time the university takes all precautions (just as the other universities do) to ensure that the standards and quality of, education and exams, are preserved.

The Head office of the university is located at Nashik, India. The university operates through its **8 Regional Centers (RCs)** at Amaravati, Aurangabad, Kolhapur, Mumbai, Nagpur, Nanded, Nashik, Pune and **several Study Centers (SCs)** only within the Maharashtra state.

STUDY CENTERS OF PROGRAMMES

Study Centers outside Maharashtra

Due to recent amendment in the act, this university had recognized study centers outside the state of Maharashtra. But, as per the judgment of Hon Supreme Court of India (SCoI), all study centers from outside the state of Maharashtra, **are now de-recognized for fresh admissions**. However, as per the approved university rules, **previously enrolled students at these study centers shall continue to take further admissions to next semesters till specified last month and year**. These study centers are required to provide all specified student services to these previously enrolled students as per the approved university rules.

Study Centers in Maharashtra

Similarly all the recognized study centers within the State of Maharashtra have to provide all specified student services **to the current and previously enrolled students** as per the approved university rules for all the programmes on offer or for the withdrawn programmes till the last event of End Examination (if applicable).

JURISDICTION AND REVISION OF RULES

All legal disputes regarding study center and enrolled students shall be subject to **Nashik jurisdiction** only. In order to cope up with unforeseen circumstances and to maintain high academic quality of these programmes, the university reserves the right to change, revise, update, add or delete any rule (**including rules regarding programme fees**) about these programmes, at any time. These modifications will be applicable to all students, **including previously admitted students**.

LATEST UPDATE POLICY

Latest updated version of this prospectus shall be available at University website at **<http://www.ycmou.ac.in>** and at **<http://ycmou.digitaluniversity.ac>** for free download in PDF file format. Hence, students, Study Centers and other stake holders **are advised to always refer website for latest updated copy** of this prospectus.

ABOUT SCHOOL

VISION

The School of Architecture, Science and Technology will offer educational programmes in Architecture, Science and Technology discipline using such operational and Academic principles that optimize:

- Academic Quality
- Relevance to present needs of Industry, Society and Learners.
- Time Quality
- Cost-effectiveness for learners and the University.

MISSION

Quality Education, with cost effectiveness, anywhere, anytime!

PROGRAMME INFORMATION AT A GLANCE

The following **36** Academic Programmes are from the School of Architecture, Science & Technology during academic year **2019-2020**.

Level	Programmes of Offer (7) Admission and/ or Examination: Fresh Yes , Further Yes New SC Recognition: Yes	Withdrawn Programmes (29) Admission and/ or Examination: Fresh No , Further Yes New SC Recognition: No
Design(0) (1)		
UG (0)(1)	-	V28: B.Des. {2014 Pattern}
Skill (1) (0)		
Diploma (1)(0)	T101: Diploma in Essential Skills (DES) {Learn & Earn 2019 Pattern}	-
Science (7)(14)		
Post Graduate Diploma (1)(0)	T105: Post Graduate Diploma in Statistics (PGDS) {2019 Pattern}	-
UG (1)(7)	V92: B.Sc. (Phy,Che,Maths) {2015 Pattern}	T80: B.Sc. (Bio-Informatics) T82: B.Sc. (Bio-Technology) {2006 Pattern} T82: B.Sc. (Bio-Technology) {2015 Pattern} V26: B.Sc. (Nautical Science) {2010 Pattern} V45: B.Sc. (Actuarial Science) {2011 Pattern} V45: B.Sc. (Actuarial Science) {2015 Pattern} V92: B.Sc. (Actuarial Science) {2016 Pattern}

Level	Programmes of Offer (7) Admission and/ or Examination: Fresh Yes , Further Yes New SC Recognition: Yes	Withdrawn Programmes (29) Admission and/ or Examination: Fresh No , Further Yes New SC Recognition: No
PG (1)(8)	V58: M.Sc. (Environmental Science) {2015 Pattern}	T81: M.Sc. (Bio-Informatics) T83: M.Sc. (Bio-Technology) {2006 Pattern} T83: M.Sc. (Bio-Technology) {2015 Pattern} V34: M.Sc. (Environmental Science) V46: M.Sc. (Actuarial Science) {2011 Pattern} V47: M.Sc. (Industrial Engineering) {2011 Pattern} V46: M.Sc. (Actuarial Science) {2015 Pattern} V57: M.Sc. (Mathematics) {2015 Pattern}
Ph.D. (3)(0)	R83: Ph.D. (Chemistry) R85: Ph.D. (Environmental Science) R41: Ph.D. (Geology)	-
Architecture (0) (06)		
Diploma (0)(1)	-	V40: Foundation Diploma in Architecture and Design {2011 Pattern}
UG (0)(1)	-	V22: B.Arch. (General) {2010 Pattern}
PG (0)(4)	-	V41: M.Arch. (General) {2011 Pattern} V42: M.Arch. (Construction Management) {2011 Pattern} V43: M.Arch. (Environmental Architecture) {2011 Pattern} V44: M.Arch. (Urban and Regional Planning) {2011 Pattern}
Engineering and Technology (0) (07)		
Diploma (0)(3)		V55: Diploma in Electrical Engineering (DEE) {2014 Pattern} V62: Diploma in Mechanical Engineering (DME) {2012 Pattern} V63: Diploma in Electronics and Telecommunication Engineering (DETE) {2012 Pattern}
UG (0)(4)	-	T34: B.Tech. (Electronics Engineering) T35: B.Tech. (Mechanical Engineering) V23: B.Tech. (Marine Engineering) {2010 Pattern} V61: B.Tech. (Marine Engineering) {2012 Pattern}

ABOUT PROGRAMMES

ATTENDANCE

For all academic programmes regular and full attendance for all counseling sessions is highly recommended for better chances of successful completion of the course. Normally, minimum **80% attendance shall be essential** for counseling sessions for all courses.

Successful completion of all specified activities for Studio Term-Work (STW), Term-Work (TW), Studio Viva (SV), Practical (P) or Project-Work (PW) courses and its certification by the respective counselor at study center and Programme

coordinator shall be essential before the end exam of that Studio Term-Work (STW), Term-Work (TW), Studio Viva (SV), Practical (P) or Project-Work (PW) course.

DEGREE EQUIVALENCE STATUS

All these degree and post-graduate degree programmes are duly recognized and approved by the "University Grant Commission (UGC)". Approval status is available at UGC Website at <https://www.ugc.ac.in/pdfnews/FINAL%20RECOGNITION%20STATUS%2008-05-2019.pdf> on Pages 45 to 48 of 95. The legal status of this university is at par with all other statutory universities of India.

Equivalence related all relevant documents of all programmes of this School are available at the University website at School page at <https://drive.google.com/open?id=1tOtFcSxJdVnJMku7kQybuok9d2J6dOYi>

SELF-INSTRUCTIONAL LEARNING MATERIAL POLICY

"Self-Instructional Learning Material (SLM)" means - the learning material which is specially designed for the Open University students. This material is designed in such a manner that the students are able to understand most of the subject matter even in the absence of a teacher. In short, SLM means study material.

Depending upon the nature of the programs the study material are designed and developed in various formats and different methods are used for its delivery to the students. **SLM may be print or non-print/ electronic study material.**

As per the University policy, this School shall provide study material **wherever possible in print format or in electronic format only for the programs on offer.** The study material in electronic format shall be made available for **free download under EBooks at the University Website at <http://www.ycmou.ac.in/>** and is also available at <http://ycmou.digitaluniversity.ac/> under the web link of School of Architecture, Science and Technology.

DEFINITIONS

In this document, unless the context otherwise requires, following definitions shall apply.

GENERAL

1. "**University**" means - Yashwantrao Chavan Maharashtra Open University, located at Nashik, Maharashtra, India.
2. "**Act**" means - Act XX-(1989) (Amended by Act No XII of 2003) of the Maharashtra State Legislature.
3. "**Academic Year**" means - duration of 1 year which **starts** form **01-Aug** and **ends on 31-Jul.**
4. "**Semester**" means - Each semester will consist of 15-18 weeks of academic work equivalent to 90 actual teaching days. Thus, it is a group of some courses, which are offered during a time block of 6 months.
 - a. Odd numbered semesters like 01, 03, 05 ... **starts from 01 Aug** and **ends on 31 Jan.**
 - b. Even numbered semesters like 02, 04, 06 ... **starts from 01 Feb** and **ends on 31 Jul.**

5. "**Session**" means - a time slot for a particular activity. Duration of counseling session is 60 or 180/240 minutes, while for end examination it is either 180 or 240 minutes.

Course Types	Session Duration in Min for Counseling Session	Session Duration in Min for End Exam
Theory Courses	60	180
Studio Courses	180 / 240	180 / 240
Practical Courses	180 / 240	180 / 240
Project-Work Courses	40 / 60	180 / 240

6. "**Batch**" means - a group of students.

Course Types	Batch for Counseling Session	Batch for End Exam
Theory Courses	Architecture: 40 Science: 60/ 120 Technology: 60	30
Studio Term-Work or Studio Viva Courses	Architecture: 20	20
Term Work or Practical Course	Science: 30 Technology: 30	20
Project-Work Courses	Architecture: 10 Science: 15 Technology: 15	10

PROGRAMMES AND COURSES

1. "**Choice Based Credit System (CBCS)**": The CBCS provides choice for students to select from the prescribed courses (core, elective or minor or soft skill courses).
2. "**Credit Based Semester System (CBSS)**": Under the CBSS, the requirement for awarding a degree or diploma or certificate is prescribed in terms of number of credits to be completed by the students.
3. "**Credit**" means - number of study hours, in multiples of 30 clock hours that an average learner has to devote for effective learning. Thus, for 1 CR, an average learner has to devote 30 clock hours to successfully complete the study of the course. Study includes several activities like reading books, taking notes, solving problems, undergoing tests, performing experiments in laboratories, thinking, etc. It is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
4. "**Academic Programme**" means - a collection of correlated courses, which one must successfully complete in order to earn a certification by the university. Certification may be by certificate, diploma, advance diploma, graduate degree, postgraduate diploma, postgraduate degree or doctoral degree.
 - a. "**Programmes on Offer**" are those programmes where fresh admission to new prospective students is offered along with further admissions to already enrolled students.
 - b. "**Withdrawn Programmes**" are those programmes where fresh admission to new prospective students is not offered along with further admissions to already enrolled students.
5. "**Courses**" means - any single component of an academic programme (usually called as subjects) which one has to successfully complete, in order to earn a certification by the

university. Courses may be of different types like theory, practical, Term-Work, studio Viva or project work. Each course is given a unique course code.

6. "**Backlog Course**" means – any course where student is admitted by the university but student could not successfully complete the course in the first compulsory end exam attempt.

STUDY CENTERS

1. "**Study Center**" means - a place where the students attend the face-to-face counseling sessions for theory courses in classroom and conduct practical and/ or project type of activities in the laboratories and get other relevant services like Internet access, admission, examination and communication with university head office.
2. "**Programme Coordinator**" means - a person in charge of the administrative and academic affairs at the study center. He plans the availability of counselors, looks after the distribution of learning resource from library, arranges and coordinates counseling sessions, etc.
3. "**Study Center Head**" means - the head of the study center who is normally the principal of the institution, where study center is located. He may not participate in the day to day activities of the study center, but will play an active role in case of any serious problem at the study center.

ADMISSION

1. "**Online Annual Admission**" means – Normally, online admission is given only once in a year (typically in July - August) to first year or 2 semesters, that is, odd and even numbered semesters, in an academic year. Thus, along with the admission form, students shall be required to pay 'University Fee (UF)' for both semesters which also include the 'Exam Fee (EF)' for the first compulsory attempt for end exam for all courses at both semesters.
2. "**Online New or Fresh Admission**" means - **First** admission to the academic programme. Normally, new/ fresh admission is given to the lowest numbered semester. Students are required to apply online for new/ fresh admission in the prescribed format along with the attested scanned photocopies of specified documents need to be uploaded and payment of the specified fees for the programme need to be paid online by netbanking/ credit or debit card.
3. "**Online Further Admission**" means –**all next admissions (after first admission)** to the each successively higher numbered year/ semesters of the academic programme. Students having Permanent Registration Number (**PRN**) are eligible to apply for the **Online Further Admission**. The students have to complete similar process as mentioned for the Fresh Admission. Student can select another study center during online further admission process.
4. "**Student Registration**" means - confirmation of the admission of the student to the specified year/semesters of the academic programme by the university, after submission of a completed online admission form along with uploaded scanned photocopies of specified documents and online payment of the specified fees for the programme. **Student registration is valid only during registration period**. The university assigns unique 'Student ID' to each student. The university also assigns unique 'Permanent Registration Number (PRN)' to each student when he/she is registered for the academic programme during the first fresh admission.
5. "**Registration Period**" means - consecutive 5 semesters (2½ years), which starts from the semester to which student's admission is confirmed by the university. Only within

valid registration period, students are allowed to attend counseling sessions at the allotted study center. **Extension of registration period shall not be allowed.**

COUNSELING

1. "**Counseling Sessions (CS)**" means –Face-To-Face classroom sessions conducted at study centers, by a well qualified and experienced counsellor/ expert/ teacher to explains and clarifies doubts/difficulties of the students. During counseling sessions, students also perform practical or studio activities or project work in study center laboratory or studio. Last 4-5 hours of counseling for each course in a semester are reserved for assessment and feedback about “Continuous Assessment (CA)”.
2. "**Counselor**" means - a qualified and experienced expert/person at SC, who conducts counseling sessions and helps the students in solving their difficulties. He also helps the students to perform practical or studio activities or project work in study center laboratory or studio.
3. "**Mentor**" means - a qualified and experienced person at allotted industry or business unit, for the guidance and supervision activities of the students. He coordinates monthly face-to-face single Mobile-Ready or Video lecture of one hour duration and helps the students in solving their difficulties. He also helps the students to perform “On-Job Training” for the specified hours in allotted industry or business unit. Mentor also helps students in smooth and timely conduction of Continuous and Peer Assessment.
4. "**Ön-Job Training**" means – daily or periodic assigned work which student need to perform at his/ her allotted industry or business unit as per the Apprentice Act Normally 08 Hrs of “On Job Training” during **each** of 26 Work days need to be completed by the students.

REQUIRED COUNSELLING SESSIONS

Following table indicate **minimum** number of face-to-face counseling sessions which must be arranged by the Study Center for **each** course during **each** semester.

Level	Programmes	For each Theory Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 01 Clock Hour	For each Activity Type of Course (Subject) of 4 Credits Duration of each counseling session shall be 02 Clock Hour
Dip	T101: Diploma in Essential Skills {Learn & Earn 2019 Pattern}	12	08 Hrs of “On Job Training” per day for all working days during each Semester
PGDip	T105: Post Graduate Diploma in Statistics {2019 Pattern}	12	Not Applicable
UG	V92: Bachelor of Science (Phy, Che, Maths) {2015 Pattern}	12	12
PG	V58: M.Sc. (Environmental Science) {2015 Pattern}	12	12

PhD	R83:Ph.D. (Organic Chemistry)	12	Not Applicable
	R85:Ph.D. (Environmental Science)	12	Not Applicable
	R41:Ph.D. (Geology)	12	Not Applicable

EXAMINATION

FROM 2010 PATTERN ONWARDS

1. "**Continuous Assessment (CA)**" means - '**Open-Book Formative Evaluation without supervision**' by the Counselor for the respective course at each study center. CA for each credit point block shall be for 5 marks only.
2. "**End Examination (EE)**" means - '**Closed-Book Summative Evaluation under supervision**', which is an examination conducted by the University at the designated 'Exam Centers' under supervised conditions, at the end of the each semester for all courses. EE for each credit point block shall be for 20 marks only.
3. "**EE Attempt**" means - option offered by the university to the student, for choosing to appear in any end examination of any course for which respective student's admission is confirmed by the university. EE attempts are counted for each option offered by the university to the student, **irrespective of whether student actually chooses to appear in end exam or not.**
4. "**Exam Form**" means - the prescribed format of application for the "repeat end exam attempt" which may require for successful completion or performance improvement. **Only repeater students are required to submit exam form**, along with the payment for specified 'Exam Fee (EF)'. All exam forms must reach university only during the specified duration.
5. "**Short Answer type Question (SAQ)**" means - a supply type question of 5 marks, which requires typical answer of about 15 lines ($\approx \frac{1}{2}$ Pages) in about 08-10 minutes. Students do not have choice of answering as he/she is required to answer 1 SAQ on **each** credit in 'Continuous Assessment (CA)' and out of 5 SAQs 4 SAQs on **each** credit in 'End Exam (EE)' for any theory type of course.
6. "**Total Marks (TM)**": 'Total Marks (TM)' shall be sum of "Continuous Assessment (CA)" marks and "End Examination (EE)" marks acquired by the student in each course.

BEFORE 2010 PATTERN

1. "**End Examination (EE)**" means - '**Closed-Book Summative Evaluation under supervision**', which is an examination conducted by the University at the designated 'Exam Centers' under supervised conditions, at the end of the each semester for all courses. EE for **each** credit point block shall be for 25 marks only.
2. "**EE Attempt**" means - option offered by the university to the student, for choosing to appear in any end examination of any course for which respective student's admission is confirmed by the university. EE attempts are counted for each option offered by the university to the student, **irrespective of whether student actually chooses to appear in end exam or not.**
3. "**Exam Form**" means - the prescribed format of application for the "repeat end exam attempt" which may require for successful completion or performance improvement. **Only repeater students are required to submit exam form**, along with the payment for specified 'Exam Fee (EF)'. All exam forms must reach university only during the specified duration.

4. **"Short Answer type Question (SAQ)"** means - a supply type question of 5 marks, which requires typical answer of about 15 lines ($\approx \frac{1}{2}$ Pages) in about 08-10 minutes. Students do not have choice of answering as he/she is required to answer 5 SAQs on **each** credit in 'End Exam (EE)' for any theory type of course.
5. **"Total Marks (TM)"**: 'Total Marks (TM)' shall be total marks acquired by the student in each course in 'End Examination (EE)'.

SUCCESSFUL COMPLETION OF COURSE OR PROGRAMME

1. **"Successful Completion of the Course"** means - either course is exempted or student gets **minimum specified or better** total marks or grade, either in end examination of that course or by credit transfer.
 - a. A student obtaining grade **"F"** shall be considered failed and will be required to reappear in the examination.
 - b. **"P"** (Pass) letter grade required for successful completion of the **each** course
2. **"Successful Completion of the Programme"** means –**all** courses at **all** semesters are **successfully completed**:
 - a. Student should acquire **minimum 50% aggregate** percentage of marks at **all** courses at **all** reporting semesters for programmes listed below:
 - i. For all V40, V22, V28, V41, V42, V43, V44 programmes from "Architecture and Design" discipline **and**
 - ii. V26, V34, V47 programmes from "Science" discipline **and**
 - iii. V55, V62, V63 programmes from "Engineering and Technology" discipline **and**
 - iv. all other "Withdrawn Programmes" from earlier Patterns
 - b. Student should acquire **minimum "P"** (Pass) letter grade (**35.00 – 44.99% Marks**) for **all** courses at **all** semesters
 - i. For all T101, T102, T103 programmes from "Skill" discipline
 - ii. For all T105, V92, V96, V57, V58, V46, R83, R85, R41 programmes from "Science" discipline

GRADING SYSTEM

1. **"Absolute Grading"**: the marks are converted to grades based on pre-determined class intervals.
2. **"Letter Grade"**: It is an index of the performance of students in a said programme. Grades are denoted by letters O, A+, A, B+, B, C, P and F.
3. **"Grade Point"**: It is a numerical weight allotted to each letter grade on a 10-point scale. Grade Point shall be "o (Zero)" for Letter Grade "Ab" and "F". For Letter Grades "C", "B", "B+", "A", "A+", "O", Grade Point shall be **"one tenth of marks percentage at each or all reporting semesters"** rounded to nearest integer.

Letter Grade	Grade Point	Marks %	Class
O	10	95.00 – 100.00	Outstanding
A+	9	85.00 – 94.99	Excellent

A	8	75.00 – 84.99	Very Good
B+	7	65.00 – 74.99	Good
B	6	55.00 – 64.99	Above Average
C	5	45.00 – 54.99	Average
P	4	35.00 – 44.99	Pass
F	0	00.00 – 34.99	Fail
Ab	0	00.00	Absent

4. **“Credit Point”**: It is the product of grade point and number of credits for a course.
5. **“Semester Grade Point Average (SGPA)”**: It is a measure of performance of work done in a semester. It is ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
6. **“Cumulative Grade Point Average (CGPA)”**: It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
7. **“Transcript or Grade Card or Certificate”**: Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA **earned till that semester**.

PROGRAMME INFORMATION AT A GLANCE

ABBREVIATIONS USED

Following abbreviations (arranged alphabetically) are used:

1. **AAFA**: “Annual Admission Form Amount” for **each** year, which is payable amount along with the Admission Form. It **includes** University Programme Fee for 2 semesters in an academic year. University Programme Fee also **includes** exam fee for the first compulsory end exam attempt for all courses at both semesters.
2. **AE**: Admission Eligibility
3. **Apvl**: Approvals from Statutory Authorities
4. **C**: Category of Programme
5. **CBCS**: Choice Based Credit System
6. **CA**: Continuous Assessment
7. **CE**: Certification Eligibility
8. **EE**: End Examination
9. **EF**: Exam Fee is payable to university along with the ‘Exam Form’, for **each** repeat end exam attempt.
10. **L**: Level of Programme
11. **LD**: Library Deposit is refundable. For Indian Citizen Students, LD shall be ₹ 2000, payable to allotted study center.
12. **M**: Teaching-Learning Mode of Programme
13. **MA**: Maximum number of Attempts
14. **MDP**: Minimum Duration of Programme
15. **MoI**: Medium of Instruction of Programme

16. **MRA:** Minimum Required Attendance for Programme
17. **NA:** Not Applicable
18. **P:** Pattern (Semester / Annual) of Programme
19. **PA:** Peer Assessment
20. **PG:** Post-Graduate
21. **PGD:** Post-Graduate Diploma
22. **RS:** Reporting Semesters
23. **SCF:** Study Center Fee for **each** semester
24. **Sem:** Semester
25. **Sylb:** Syllabus location
26. **Total:** Total Fee for each semester
27. **UPF:** University Programme Fee for each semester which also **includes** exam fee for the first compulsory end exam attempt for all courses at the semester.
28. **UG:** Under-Graduate
29. **VRP:** Valid Registration Period

PROGRAMMES ON OFFER

For all “Programmes on Offer” (**Total 07 Programmes**):

1. Fresh Admissions **shall be offered**
2. Further Admissions **shall be offered**

Statistical Information about Programmes on Offer:

Discipline →	Skill	Science	Total
Level ↓			
Diploma	1	0	1
PGDip	0	1	1
UG	0	1	1
PG	0	1	1
PhD	0	3	3
Total	1	6	7

SKILL PROGRAMMES

Programme	Essential Information	Fees in ₹ [Only AAFA is payable at the University]	Admission: Annual admission for 2 semesters in each year	Examination	
Diploma (1 Programmes)					
T101: Diploma in Essential Skills (DES) {Learn & Earn 2019 Pattern} Sem:2 Credits: 48 Courses: 10	CBCS: NA Grading: Yes C: Skill L: Diploma M: Blended P: Semester MDP: 1 year after SSC MoI: English MRA: Min 80% Apvl: NA Sylb: Website	For each Year		AE: Fresh: SSC (10 th) or eq (Like YCMOU Prep) Pass. Age: 18 Yrs minimum Further: NA. VRP: consecutive 3 semesters	CE: Min 40% RS: Sem 01 & 02 MA: CA: Only 01 Attempt during each semester EE: Single EE attempt during each semester till last end exam, if specified
		Desc	Amount		
		UPF	1600		
		SCF	Nil		
		Total	1600		
		For each Year			
		AAFA	1600		

SCIENCE PROGRAMMES

Programme	Essential Information	Fees in ₹ [Only AAFA is payable at the University]	Admission: Annual admission for 2 semesters in each year	Examination	
Post Graduate Diploma (1 Programmes)					
T105: Post Graduate Diploma in Statistics (PGDS) {2019 Pattern} Sem:2 Credits: 32 Courses: 08	CBCS: NA Grading: Yes C: Skill L: PG Diploma M: Blended P: Semester MDP: 1 year after UG MoI: English MRA: Min 80% Apvl: NA Sylb: Website	For each Year		AE: Fresh: Any Degree/Under-Graduate Pass from recognized University. Age: 18 Yrs minimum Further: NA. VRP: consecutive 3 semesters	CE: Min 40% RS: Sem 01& 02 MA: CA: Only 01 Attempts during each semester EE: Single EE attempt during each semester till last end exam, if specified
		Desc	Amount		
		UPF	2000		
		SCF	2000		
		Total	4000		
		For each Year			
		AAFA	2000		
Under-Graduate Degree (1 Programmes)					
V92: B.Sc. (Phy, Che, Math) {2015 Pattern} Sem: 6 Credits: 132 Courses: 42	CBCS: Yes Grading: Yes C: General L: UG M: Blended P: Semester MDP: 3 years after HSC MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year		AE: Fresh: Any HSC (12th)/D.Ed. or eq (Like FDAD or YCMOU Preparatory) Pass. Age: 18 Yrs minimum Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number. VRP: consecutive 5 semesters	CE: Min 40% RS: Sem 05 & 06 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
		Desc	Amount		
		UPF	2100		
		SCF	4000		
		Total	6100		
		For each Year			
		AAFA	2100		
Post-Graduate Degree (1 Programmes)					
V58: M.Sc. (Environmental Science) {2015 Pattern} Sem: 4 Credits: 64 Courses: 16	CBCS: Yes Grading: Yes C: General L: PG M: Blended P: Semester MDP: 2 years after B.Sc. / B.E. / B.Tech./ B.Pharm/BAMS MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year		AE: Fresh: B.Sc., B.E., B.Tech, B.Pharm./ BAMS or eq Pass VRP: consecutive 5 semesters	CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
		Desc	Amount		
		UPF	6100		
		SCF	12000		
		Total	18100		
		For each Year			
		AAFA	6100		
Ph.D. Degree (3 Programme)					
R83: PhD (Organic Chemistry)	Admission Rules and Degree Award as per the PhD Ordinance of University available on the Univ Website				
R85: Ph.D. (Environmental Science)					
R41: Ph.D. (Geology)					

WITHDRAWN PROGRAMMES

For all “Withdrawn Programmes” (Total 29 Programmes):

1. Fresh Admissions **shall not be offered**
2. Further Admissions **shall be offered**

Statistical Information about Withdrawn Programmes:

Discipline → Level ↓	Design	Science	Architecture	Technology	Total
Diploma	0	0	1	3	4
UG	1	7	2	4	14
PG	0	7	4	0	11
Total	1	14	7	7	29

DESIGN PROGRAMMES

Programme	Essential Information	Fees in ₹ [Only AAFA is payable at the University]	Admission: Annual admission for 2 semesters in each year	Examination	
Under-Graduate Degree (1 Programmes)					
V28: B.Des. {2014 Pattern} Sem: 8 Credits: 192 Courses: 55	CBCS: No Grading: No C: Professional L: UG M: Blended P: Semester MDP: 4 years after HSC MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year		AE: Further: Sem ‘1 to x’ pass for Sem ‘x+4’ admission where ‘x’ is odd number. VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 07 & 08 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
		Desc	Amount		
		UPF	17100		
		SCF	39000		
		Total	56100		
For each Year					
AAFA	17100				

SCIENCE PROGRAMMES

Programme	Essential Information	Fees in ₹ [Only AAFA is payable at the University]	Admission: Annual admission for 2 semesters in each year	Examination	
Under-Graduate Degree (7 Programmes)					
T80: B.Sc. (Bio-Informatics) Sem: 6 Credits: 120 Courses: 30	CBCS: No Grading: No C: Professional L: UG M: Blended P: Semester MDP: 3 years after HSC MoI: English MRA: Min 75% Apvl: UGC Sylb: Website	For each Year		AE: Further: Sem ‘1 to x’ pass for Sem ‘x+4’ admission where ‘x’ is odd number. VRP: consecutive 5 semesters	CE: Min 40%, Min 50% at RS RS: Sem 05 & 06 MA: EE: Single EE attempt during each semester till last end exam, if specified
		Desc	Amount		
		UPF	5100		
		SCF	11000		
		Total	16100		
For each Year					
AAFA	5100				
T82: B.Sc. (Bio-Technology) {2006 Pattern} Sem: 6 Credits: 120 Courses: 30	CBCS: No Grading: No C: Professional L: UG M: Blended P: Semester MDP: 3 years after HSC MoI: English MRA: Min 75% Apvl: UGC Sylb: Website	For each Year		AE: Further: Sem ‘1 to x’ pass for Sem ‘x+4’ admission where ‘x’ is odd number. VRP: consecutive 5 semesters	CE: Min 40%, RS: Sem 05 & 06 MA: EE: Single EE attempt during each semester till last end exam, if specified
		Desc	Amount		
		UPF	5100		
		SCF	11000		
		Total	16100		
For each Year					
AAFA	5100				

Programme	Essential Information	Fees in ₹ [Only AAFA is payable at the University]	Admission: Annual admission for 2 semesters in each year	Examination														
<p>T82: B.Sc. (Bio-Technology) {2015 Pattern}</p> <p>Sem: 6 Credits: 120 Courses: 30</p>	<p>CBCS: No Grading: Yes C: Professional L: UG M: Blended P: Semester MDP: 3 years after HSC MoI: English MRA: Min 75% Apvl: UGC Sylb: Website</p>	<table border="1"> <thead> <tr> <th colspan="2">For each Year</th> </tr> <tr> <th>Desc</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>UPF</td> <td>5100</td> </tr> <tr> <td>SCF</td> <td>11000</td> </tr> <tr> <td>Total</td> <td>16100</td> </tr> <tr> <th colspan="2">For each Year</th> </tr> <tr> <td>AAFA</td> <td>5100</td> </tr> </tbody> </table>	For each Year		Desc	Amount	UPF	5100	SCF	11000	Total	16100	For each Year		AAFA	5100	<p>AE:</p> <p>Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number. VRP: consecutive 5 semesters</p>	<p>CE: Min 40%, RS: Sem 05 & 06</p> <p>MA:</p> <p>EE: Single EE attempt during each semester till last end exam, if specified</p>
For each Year																		
Desc	Amount																	
UPF	5100																	
SCF	11000																	
Total	16100																	
For each Year																		
AAFA	5100																	
<p>V26: B.Sc. (Nautical Science) {2010 Pattern}</p> <p>Sem: 6 Credits: 136 Courses: 59</p>	<p>CBCS: No Grading: No C: Professional L: UG M: FT-FTF-EWEL (Residential) P: Semester MDP: 3 years after HSC MoI: English MRA: Min 80% Apvl: UGC Sylb: Website</p>	<table border="1"> <thead> <tr> <th colspan="2">For each Year</th> </tr> <tr> <th>Desc</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>UPF</td> <td>19100</td> </tr> <tr> <td>SCF</td> <td>45000</td> </tr> <tr> <td>Total</td> <td>64100</td> </tr> <tr> <th colspan="2">For each Year</th> </tr> <tr> <td>AAFA</td> <td>19100</td> </tr> </tbody> </table>	For each Year		Desc	Amount	UPF	19100	SCF	45000	Total	64100	For each Year		AAFA	19100	<p>AE:</p> <p>Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number. VRP: consecutive 5 semesters</p>	<p>CE: Min 50% RS: Sem 05 & 06</p> <p>MA:</p> <p>CA: Single Attempt EE: Single EE attempt during each semester till last end exam, if specified</p>
For each Year																		
Desc	Amount																	
UPF	19100																	
SCF	45000																	
Total	64100																	
For each Year																		
AAFA	19100																	
<p>V45: B.Sc. (Actuarial Science) {2011 Pattern}</p> <p>Sem: 6 Credits: 96 Courses: 24</p>	<p>CBCS: No Grading: No C: Professional L: UG M: Blended P: Semester MDP: 3 years after HSC MoI: English MRA: Min 80% Apvl: UGC Sylb: Website</p>	<table border="1"> <thead> <tr> <th colspan="2">For each Year</th> </tr> <tr> <th>Desc</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>UPF</td> <td>34100</td> </tr> <tr> <td>SCF</td> <td>78000</td> </tr> <tr> <td>Total</td> <td>112100</td> </tr> <tr> <th colspan="2">For each Year</th> </tr> <tr> <td>AAFA</td> <td>34100</td> </tr> </tbody> </table>	For each Year		Desc	Amount	UPF	34100	SCF	78000	Total	112100	For each Year		AAFA	34100	<p>AE:</p> <p>Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number. VRP: consecutive 5 semesters</p>	<p>CE: Min 40% RS: Sem 05 & 06</p> <p>MA:</p> <p>CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified</p>
For each Year																		
Desc	Amount																	
UPF	34100																	
SCF	78000																	
Total	112100																	
For each Year																		
AAFA	34100																	
<p>V45: B.Sc. (Actuarial Science) {2015 Pattern}</p> <p>Sem: 6 Credits: 96 Courses: 24</p>	<p>CBCS: Yes Grading: Yes C: Professional L: UG M: Blended P: Semester MDP: 3 years after HSC MoI: English MRA: Min 80% Apvl: UGC Sylb: Website</p>	<table border="1"> <thead> <tr> <th colspan="2">For each Year</th> </tr> <tr> <th>Desc</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>UPF</td> <td>34100</td> </tr> <tr> <td>SCF</td> <td>78000</td> </tr> <tr> <td>Total</td> <td>112100</td> </tr> <tr> <th colspan="2">For each Year</th> </tr> <tr> <td>AAFA</td> <td>34100</td> </tr> </tbody> </table>	For each Year		Desc	Amount	UPF	34100	SCF	78000	Total	112100	For each Year		AAFA	34100	<p>AE:</p> <p>Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number. VRP: consecutive 5 semesters</p>	<p>CE: Min 40% RS: Sem 05 & 06</p> <p>MA:</p> <p>CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified</p>
For each Year																		
Desc	Amount																	
UPF	34100																	
SCF	78000																	
Total	112100																	
For each Year																		
AAFA	34100																	
<p>V96: B.Sc. (Actuarial Science) {2016 Pattern}</p> <p>Sem: 6 Credits: 96 Courses: 24</p>	<p>CBCS: Yes Grading: Yes C: Professional L: UG M: Blended P: Semester MDP: 3 years after HSC MoI: English MRA: Min 80% Apvl: UGC Sylb: Website</p>	<table border="1"> <thead> <tr> <th colspan="2">For each Year</th> </tr> <tr> <th>Desc</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>UPF</td> <td>34100</td> </tr> <tr> <td>SCF</td> <td>78000</td> </tr> <tr> <td>Total</td> <td>112100</td> </tr> <tr> <th colspan="2">For each Year</th> </tr> <tr> <td>AAFA</td> <td>34100</td> </tr> </tbody> </table>	For each Year		Desc	Amount	UPF	34100	SCF	78000	Total	112100	For each Year		AAFA	34100	<p>AE:</p> <p>Fresh: No</p> <p>Further: Yes Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number. VRP: consecutive 5 semesters</p>	<p>CE: Min 40% RS: Sem 05 & 06</p> <p>MA:</p> <p>CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified</p>
For each Year																		
Desc	Amount																	
UPF	34100																	
SCF	78000																	
Total	112100																	
For each Year																		
AAFA	34100																	

Programme	Essential Information	Fees in ₹ [Only AAFA is payable at the University]	Admission: Annual admission for 2 semesters in each year	Examination
Post-Graduate Degree (8 Programmes)				
T81: M.Sc. (Bio-Informatics) Sem: 4 Credits: 80 Courses: 20	CBCS: No Grading: No C: Professional L: PG M: Blended P: Semester MDP: 2 years after B.Sc. MoI: English MRA: Min 75% Apvl: UGC Sylb: Website	For each Year Desc Amount UPF 10100 SCF 22000 Total 32100 For each Year AAFA 10100	AE: NA Further: Yes VRP: consecutive 5 semesters	CE: Min 40%, Min 50% at RS RS: Sem 09 & 10 MA: EE: Single EE attempt during each semester till last end exam, if specified
T83: M.Sc. (Bio-Technology) {2006 Pattern} Sem: 4 Credits: 80 Courses: 20	CBCS: No Grading: No C: Professional L: PG M: Blended P: Semester MDP: 2 years after B.Sc. MoI: English MRA: Min 75% Apvl: UGC Sylb: Website	For each Year Desc Amount UPF 10100 SCF 22000 Total 32100 For each Year AAFA 10100	AE: NA Further: Yes VRP: consecutive 5 semesters	CE: Min 40%, RS: Sem 09 & 10 MA: EE: Single EE attempt during each semester till last end exam, if specified
T83: M.Sc. (Bio-Technology) {2015 Pattern} Sem: 4 Credits: 80 Courses: 20	CBCS: Yes Grading: Yes C: Professional L: PG M: Blended P: Semester MDP: 2 years after B.Sc. MoI: English MRA: Min 75% Apvl: UGC Sylb: Website	For each Year Desc Amount UPF 10100 SCF 22000 Total 32100 For each Year AAFA 10100	AE: NA Further: Yes VRP: consecutive 5 semesters	CE: Min 40%, RS: Sem 09 & 10 MA: EE: Single EE attempt during each semester till last end exam, if specified
V34: M.Sc. (Environmental Science) {Transferred from School of Continuing Education} Sem: 4 Credits: 64 Courses: 16	CBCS: No Grading: No C: Professional L: PG M: Blended P: Semester MDP: : 2 years after B.Sc. / B.E. / B.Tech./ B.Pharm./BAMS MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year Desc Amount UPF 11325 SCF 9075 Total 20400 For each Year AAFA 11325	AE: NA Further: No VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
V46: M.Sc. (Actuarial Science) {2011 Pattern} Sem: 4 Credits: 96 Courses: 24	CBCS: No Grading: No C: Professional L: PG M: Blended P: Semester MDP: 2 years after B.Sc. MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year Desc Amount UPF 58100 SCF 134000 Total 192100 For each Year AAFA 58100	AE: NA Further: Yes VRP: consecutive 5 semesters	CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
V47: M.Sc. (Ind. Engg.) {2011 Pattern} Sem: 4 Credits: 80 Courses: 17	CBCS: No Grading: No C: Professional L: PG M: Blended P: Semester MDP: 2 years after B.E. / B.Tech. MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year Desc Amount UPF 10100 SCF 22000 Total 32100 For each Year AAFA 10100	AE: NA Further: No VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified

Programme	Essential Information	Fees in ₹ [Only AAFA is payable at the University]	Admission: Annual admission for 2 semesters in each year	Examination
V46: M.Sc. (Actuarial Science) {2015 Pattern} Sem: 4 Credits: 96 Courses: 24	CBCS: Yes Grading: Yes C: Professional L: PG M: Blended P: Semester MDP: 2 years after any Graduation MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year Desc Amount UPF 58100 SCF 134000 Total 192100 For each Year AAFA 58100	AE: Fresh: No Further: Yes: VRP: consecutive 5 semesters	CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
V57: M.Sc. (Mathematics) {2015 Pattern} Sem: 4 Credits: 80 Courses: 20	CBCS: Yes Grading: Yes C: General L: PG M: Blended P: Semester MDP: 2 years after B.Sc. with Maths at FY/SY / B.A. with Maths/ B.E. / B.Tech. MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year Desc Amount UPF 6100 SCF 6000 Total 12,100 For each Year AAFA 6100	AE: Fresh: No Further: Yes VRP: consecutive 5 semesters	CE: Min 40% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified

ARCHITECTURE PROGRAMMES

Programme	Essential Information	Fees in ₹ [Only AAFA is payable at the University]	Admission: Annual admission for 2 semesters in each year	Examination
Foundation Diploma (1 Programme)				
V40: Foundation Diploma in Architecture and Design (FDAD) {2011 Pattern} Sem: 4 Credits: 96 Courses: 24	CBCS: No Grading: No C: Professional L: D M: FT-FTF-EWEL P: Semester MDP: 2 years after SSC MoI: English MRA: Min 80% Apvl: UGC, CoA Sylb: Website	For each Year Desc Amount UPF 7100 SCF 17000 Total 24100 For each Year AAFA 7100	AE: NA Further: Yes VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Max 5 ODOL EE attempts during each semester till last end exam, if specified
Under-Graduate Degree (1 Programme)				
V22: B.Arch. (General) {2010 Pattern} Sem: 10 Credits: 240 Courses: 62	CBCS: No Grading: No C: Professional L: UG M: FT-FTF-EWEL P: Semester MDP: 5 years after HSC MoI: English MRA: Min 80% Apvl: UGC, CoA Sylb: Website	For each Year Desc Amount UPF 17100 SCF 39000 Total 56100 For each Year AAFA 17100	AE: Further: Sem '1 to x' passes for Sem 'x+4' admission where 'x' is odd number. VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 07 & 08 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
Post-Graduate Degree (4 Programmes)				
V41: M.Arch. (General) {2011 Pattern} Sem: 4 Credits: 96 Courses: 20	CBCS: Yes Grading: No C: Professional L: PG M: FT-FTF-EWEL P: Semester MDP: 2 years after B.Arch. MoI: English MRA: Min 80% Apvl: UGC, CoA Sylb: Website	For each Year Desc Amount UPF 19100 SCF 45000 Total 64100 For each Year AAFA 19100	AE: NA Further: Yes VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified

Programme	Essential Information	Fees in ₹ [Only AAFA is payable at the University]	Admission: Annual admission for 2 semesters in each year	Examination
V42: M.Arch. (Const. Mgmt.) {2011 Pattern} Sem: 4 Credits: 96 Courses: 20	CBCS: Yes Grading: No C: Professional L: PG M: FT-FTF-EWEL P: Semester MDP: 2 years after B.Arch. or B.E. / B.Tech. (Civil) MoI: English MRA: Min 80% Apvl: UGC, CoA Sylb: Website	For each Year Desc Amount UPF 19100 SCF 45000 Total 64100 For each Year AAFA 19100	AE: NA Further: Yes VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
V43: M.Arch. (Env. Arch.) {2011 Pattern} Sem: 4 Credits: 96 Courses: 20	CBCS: Yes Grading: No C: Professional L: PG M: FT-FTF-EWEL P: Semester MDP: 2 years after B.Arch. MoI: English MRA: Min 80% Apvl: UGC, CoA Sylb: Website	For each Year Desc Amount UPF 19100 SCF 45000 Total 64100 For each Year AAFA 19100	AE: NA Further: Yes VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
V44: M.Arch. (Urban and Regional Planning) {2011 Pattern} Sem: 4 Credits: 96 Courses: 20	CBCS: Yes Grading: No C: Professional L: PG M: FT-FTF-EWEL P: Semester MDP: 2 years after B.Arch. MoI: English MRA: Min 80% Apvl: UGC, CoA Sylb: Website	For each Year Desc Amount UPF 19100 SCF 45000 Total 64100 For each Year AAFA 19100	AE: NA Further: Yes VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 03 & 04 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified

TECHNOLOGY PROGRAMMES

Programme	Essential Information	Fees in ₹ [Only AAFA is payable at the University]	Admission: Annual admission for 2 semesters in each year	Examination
Diploma (3 Programmes)				
V55: Diploma in Electrical Engg. {2014 Pattern} Sem: 6 Credits: 144 Courses: 36	CBCS: No Grading: No C: Technical L: D M: Blended P: Semester MDP: 3 years after SSC MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year Desc Amount UPF 7100 SCF 17000 Total 24100 For each Year AAFA 7100	AE: Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number. VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 05 & 06 MA: CA: Max Single Attempt EE: Max 5 ODOL EE attempt during each semester till last end exam, if specified
V62: Diploma in Mechanical Engg. {2012 Pattern} Sem: 8 Credits: 160 Courses: 40	CBCS: No Grading: No C: Technical L: D M: Blended P: Semester MDP: 4 years after SSC MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year Desc Amount UPF 7100 SCF 17000 Total 24100 For each Year AAFA 7100	AE: Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number. VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 07 & 08 MA: CA: Max Single Attempt EE: Max 5 ODOL EE attempt during each semester till last end exam, if specified

Programme	Essential Information	Fees in ₹ [Only AAFA is payable at the University]	Admission: Annual admission for 2 semesters in each year	Examination										
V63: Diploma in Electronics and Telecommunication Engg. {2012 Pattern} Sem: 8 Credits: 160 Courses: 40	CBCS: No Grading: No C: Technical L: D M: Blended P: Semester MDP: 4 years after SSC MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year <table border="1"><thead><tr><th>Desc</th><th>Amount</th></tr></thead><tbody><tr><td>UPF</td><td>7100</td></tr><tr><td>SCF</td><td>17000</td></tr><tr><td>Total</td><td>24100</td></tr></tbody></table> For each Year <table border="1"><tbody><tr><td>AAFA</td><td>7100</td></tr></tbody></table>	Desc	Amount	UPF	7100	SCF	17000	Total	24100	AAFA	7100	AE: Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 07 & 08 MA: CA: Max Single Attempt EE: Max 5 ODOL EE attempt during each semester till last end exam, if specified
Desc	Amount													
UPF	7100													
SCF	17000													
Total	24100													
AAFA	7100													
Under-Graduate Degree (4 Programmes)														
T34: B.Tech. (Electronics Engg.) {2004 Pattern} Sem: 12 Credits: 240 Courses: 60	CBCS: No Grading: No C: Technical L: UG M: Blended P: Semester MDP: 6 years after SSC MoI: English MRA: Min 75% Apvl: UGC Sylb: Website	For each Year <table border="1"><thead><tr><th>Desc</th><th>Amount</th></tr></thead><tbody><tr><td>UPF</td><td>5100</td></tr><tr><td>SCF</td><td>13000</td></tr><tr><td>Total</td><td>18100</td></tr></tbody></table> For each Year <table border="1"><tbody><tr><td>AAFA</td><td>5100</td></tr></tbody></table>	Desc	Amount	UPF	5100	SCF	13000	Total	18100	AAFA	5100	AE: Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number. VRP: consecutive 6 semesters	CE: Min 50% RS: Sem 07 and 12 or if CE at Sem 07, then Sem 09 & 12. MA: EE: Single EE attempt during each semester till last end exam, if specified
Desc	Amount													
UPF	5100													
SCF	13000													
Total	18100													
AAFA	5100													
T35: B.Tech. (Mechanical Engg.) {2004 Pattern} Sem: 12 Credits: 240 Courses: 60	CBCS: No Grading: No C: Technical L: UG M: Blended P: Semester MDP: 6 years after SSC MoI: English MRA: Min 75% Apvl: UGC Sylb: Website	For each Year <table border="1"><thead><tr><th>Desc</th><th>Amount</th></tr></thead><tbody><tr><td>UPF</td><td>5100</td></tr><tr><td>SCF</td><td>13000</td></tr><tr><td>Total</td><td>18100</td></tr></tbody></table> For each Year <table border="1"><tbody><tr><td>AAFA</td><td>5100</td></tr></tbody></table>	Desc	Amount	UPF	5100	SCF	13000	Total	18100	AAFA	5100	AE: Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number. VRP: consecutive 6 semesters	CE: Min 50% RS: Sem 07 and 12 or if CE at Sem 07, then Sem 09 & 12. MA: EE: Single EE attempt during each semester till last end exam, if specified
Desc	Amount													
UPF	5100													
SCF	13000													
Total	18100													
AAFA	5100													
V23: B.Tech. (Marine Engg.) {2010 Pattern} Sem: 8 Credits: 192 Courses: 56	CBCS: No Grading: No C: Technical L: UG M: FT-FTF-EWEL (Residential) P: Semester MDP: 4 years after HSC MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year <table border="1"><thead><tr><th>Desc</th><th>Amount</th></tr></thead><tbody><tr><td>UPF</td><td>19100</td></tr><tr><td>SCF</td><td>45000</td></tr><tr><td>Total</td><td>64100</td></tr></tbody></table> For each Year <table border="1"><tbody><tr><td>AAFA</td><td>19100</td></tr></tbody></table>	Desc	Amount	UPF	19100	SCF	45000	Total	64100	AAFA	19100	AE: Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 07 & 08 MA: CA: Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
Desc	Amount													
UPF	19100													
SCF	45000													
Total	64100													
AAFA	19100													
V61: B.Tech. (Marine Engg.) {2012 Pattern} Sem: 8 Credits: 224 Courses: 64	CBCS: No Grading: No C: Technical L: UG M: FT-FTF-EWEL (Residential) P: Semester MDP: 4 years after HSC MoI: English MRA: Min 80% Apvl: UGC Sylb: Website	For each Year <table border="1"><thead><tr><th>Desc</th><th>Amount</th></tr></thead><tbody><tr><td>UPF</td><td>19100</td></tr><tr><td>SCF</td><td>45000</td></tr><tr><td>Total</td><td>64100</td></tr></tbody></table> For each Year <table border="1"><tbody><tr><td>AAFA</td><td>19100</td></tr></tbody></table>	Desc	Amount	UPF	19100	SCF	45000	Total	64100	AAFA	19100	AE: Further: Sem '1 to x' pass for Sem 'x+4' admission where 'x' is odd number VRP: consecutive 5 semesters	CE: Min 50% RS: Sem 07 & 08 MA: CA: Max Single Attempt EE: Single EE attempt during each semester till last end exam, if specified
Desc	Amount													
UPF	19100													
SCF	45000													
Total	64100													
AAFA	19100													

LEARN AND EARN SCHEME

The 'Yashwantrao Chavan Maharashtra Open University (YCMOU)' had signed "Agreement" on **03-07-2018** with the organization "**Abhinav Institute of Technology & Management**", registered office at "601, 6th Floor, Paradise Tower, Gokhale Road, Thane (West) - 400 602" to offer skill based academic programmes under '**Learn and Earn**' scheme.

Government of Maharashtra has released Government Resolution (GR) No. 201803131751197708 dated 13th March 2018 to implement this Learn and Earn Scheme jointly by YCMOU and the recognized Study Center of this University.

This organization is duly approved as "YCMOU Study Center" to implement this scheme is as follow:

Students enrolled under "Learn and Earn" scheme are placed various industries or business units as an '**Apprentice**' under the 'Apprenticeship Act 1961' to acquire and master various skills in 'real' work environment. But, students under this scheme **are not allowed to place as an 'Apprentice' in hazardous industries**. Presently, **only** following programmes are offered under this scheme:

1. **T101:** Diploma in Essential Skills (**DES**)

The Government of Maharashtra has approved this scheme and the students under the '**Learn and Earn**' scheme have been declared as '**Apprentice**' under the 'Apprenticeship Act 1961', up **to the period of 2 years**.

"**National Skill Qualification Framework (NSQF)**" is the current thrust area for the Maharashtra state as well as Central Government. In line with this state and national mission and framework, this University offer Skill diploma programmes at **Level 3 and 4 of NSQF** in skill education discipline.

STUDENTS BENEFITS

Apart from the essential facilities (@ **pre-informed subsidized rates**) such as canteen, uniform, safety shoes etc. for **each** student, the cost of the education is also paid by the respective industry or business unit. In addition to this, respective industry or business unit also pays the **specified monthly stipend** to **each** student apprentice as per the prevalent provisions of 'Apprenticeship Act 1961'.

Presently, monthly stipend offered to **each** student apprentice is as given below:

1. During "**T101:** Diploma in Essential Skills (**DES**)": **₹ 8000/- to ₹ 8500/- approximately** during each month

TEACHING-LEARNING

Above study center/ organization is required to arrange following activities:

- **Learning Resource:** Self- Learning- Material(SLM) i.e. Study Material shall be made available by the University in eBook/ electronic format for **free download under EBooks at the University Website at <http://www.ycmou.ac.in/>** and is also available at **<http://ycmou.digitaluniversity.ac/>** under the web link of School of Architecture, Science and Technology and further distribution by the recognized Study Center. Study Center may provide this Learning Resource in print form to all enrolled students for learn and earn scheme.
- **Counselling Sessions:** Study Center will arrange 12 face-to-face classroom counselling sessions of 1 clock hour duration for **each** Theory Type of Course (Subject) of **4 Credits** at the work place of the students or on weekly off-days at the study center.

- **Mobile ready lectures:** can be used for teaching-learning. This offers much better consistent quality and unprecedented flexibility of learning from anywhere, anytime. After initial onetime download, Mobile ready lecture modules can be repeated multiple numbers of times without live Internet connection. Hence, Study Center may develop 40–60 Mobile ready lecture modules, **each** of 10 ± 02 minutes duration for **each** course (subject) **along with and** monthly face-to-face single lecture of 1 hour duration at **each** industry where students are placed, from ‘real’ teacher.
- **On-Job Training:** Above Study Center/ organization is required to arrange “On-Job Training” for specified hours, under guidance and supervision of qualified and experienced **Mentor** at allotted service unit, industry or business unit.

EXAMINATION

1. Conduct of “Continuous Assessment (CA)” **and** reporting of CA marks for each student shall be responsibility of the respective study center for all courses.
2. Conduct of “End Examination (EE)” **and** reporting of EE marks for each student shall be responsibility of the respective study center for all Activity type of courses like “On Job Training”.
3. Conduct of “End Examination (EE)” **and** reporting of EE marks for each student shall be responsibility of the university for **all Theory type of courses**.
4. **Separate and independent passing: Grade Point 4 i.e. 35%** in EE and CA shall be essential for each course at each semester. Hence, student must score following minimum marks for successful completion of each course.
 - a. Minimum 28 marks out of 80 marks in End Exam is essential and
 - b. Minimum 07 marks out of 20 marks in CA is essential and
 - c. Hence total of CA+EE requires minimum 35 marks out of maximum 100 marks for each Theory type of courses
 - d. Minimum 70 marks out of maximum 200 marks for each Term-work/Activity type of courses
5. “CA, EE and Total marks” shall be separately reported for each course in the transcript or mark-statement at each semester
6. Only 1 attempt for EE for each course shall be allowed in each semester.
7. Study Center may provide maximum 2 attempts, for CA for each course in each semester. But only best score in CA by the student shall be reported to the University in the specified format by the Exam Division.
8. Only best of past performance shall be reported in transcript or mark statement.
9. Total student evaluation for
 - a. Each semester shall be for 600 marks.
 - b. Each Diploma shall be for 1200 marks.

Continuous Assessment for Theory and Term-Work Courses

1. Continuous Assessment (CA) is Open-Book Formative Evaluation without supervision' conducted by the Counselor for the respective course at each study center. **Mentor/Counsellor shall prepare question paper for each CA to be conducted.** CA for each credit point block shall be for 5 marks only. For 4 Credit course CA shall be conducted for 20 Marks.
 1. Type of CA: 20 MCQs for 20 Marks **or** 04 SAQs each of 5 Marks for total 20 Marks
 2. Maximum number of attempts for **each** CA, during **each** semester: **01**

3. Maximum marks student can have in each CA: **20**
4. CA has 20% weightage in “Total Marks”
5. Students who do not opt CA or remain absent for CA, zero marks shall be reported in the mark-statement.
6. CA is not applicable for Term-Work type courses

End Examination

Course Type → Evaluation Type ↓	Theory	Term-Work																
End Examination (EE) with following all features: (01) Close-Book, With Supervision (02) At specified Date, Time and Exam Center (03) During May/Jun or Nov/Dec	As per the University Schedule May/Jun or Nov/Dec of each year, “End Examination (EE)” of total 80 Marks and 16 “Short Answer Questions (SAQs)” each of 05 marks (4 out of 5 SAQs on each Credit) , during 120 Minutes. End Exam Marks shall have 80% weightage in Total Marks.	At the end of each semester, each Mentor at each industry or business unit and “1 (one) external expert” to be appointed by the study center will complete “End Exam (EE)” for all allotted students as follows: <ol style="list-style-type: none"> 1. Duration of EE: Immediately after Theory End Exam during each Semester in May/Jun or Nov/Dec 2. Internal Mentor and External Expert, each will have 50% weightage in EE. 3. Total Marks for EE: 200 Marks 																
		<table border="1"> <thead> <tr> <th>Parameter</th> <th>Internal Mentor (out of 100 Marks)</th> <th>External Expert (out of 100 Marks)</th> </tr> </thead> <tbody> <tr> <td>Punctuality as per thumb attendance record</td> <td>Out of 20</td> <td>Out of 20</td> </tr> <tr> <td>Term work submission</td> <td>Out of 20</td> <td>Out of 20</td> </tr> <tr> <td>Understanding about the nature of job role at workplace</td> <td>Out of 20</td> <td>Out of 20</td> </tr> <tr> <td>Skill Proficiency by Viva on Mini Project</td> <td>Out of 40</td> <td>Out of 40</td> </tr> </tbody> </table>	Parameter	Internal Mentor (out of 100 Marks)	External Expert (out of 100 Marks)	Punctuality as per thumb attendance record	Out of 20	Out of 20	Term work submission	Out of 20	Out of 20	Understanding about the nature of job role at workplace	Out of 20	Out of 20	Skill Proficiency by Viva on Mini Project	Out of 40	Out of 40	
		Parameter	Internal Mentor (out of 100 Marks)	External Expert (out of 100 Marks)														
		Punctuality as per thumb attendance record	Out of 20	Out of 20														
		Term work submission	Out of 20	Out of 20														
Understanding about the nature of job role at workplace	Out of 20	Out of 20																
Skill Proficiency by Viva on Mini Project	Out of 40	Out of 40																

FEE STRUCTURE

“Study Center Fee (SCF)” **shall not be payable by the student** for any programme offered under “Learn and Earn” scheme. But, “University Programme Fee (UPF)” is given below in “Fee Structure” for all academic programmes under “Learn and Earn” scheme.

Admission		Examination Fee (EF) for Repeater Students
Desc	Amount	Exam Fee is payable to university along with the ‘Exam Form’, for each repeat end exam attempt
UPF	₹ 800 for each Semester	
SCF	Nil for students (Students need not have to pay Study Center Fee to the Institute)	
AAFA	₹ 1600 for each Year	

JOB OPPORTUNITIES FOR STUDENTS

After successful completion of these academic programmes, depending on satisfactory performance of the student during the apprenticeship period, industries may prefer to continue these students on regular post. However, placement on regular posts after successful completion of these academic programmes is **not guaranteed**.

ABOUT COURSES

PROGRAMMES ON OFFER

SKILL PROGRAMMES

T101: DES {LEARN & EARN 2019 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits
Semester 01: 16 + 08 = 24 Credits							
01	DESo11	Communication and Soft Skills – 01	20	80	100	T	4
02	DESo12	Math & Statistical Skills - 01	20	80	100	T	4
03	DESo13	Financial Accounting Skills - 01	20	80	100	T	4
04	DESo14	IT Skills - 01	20	80	100	T	4
05	DESo15	On-Job-Training - 01	40	160	200	TW	8
Semester 02: 16 + 08 = 24 Credits							
06	DESo21	Communication and Soft Skills – 02	20	80	100	T	4
07	DESo22	Math & Statistical Skills - 02	20	80	100	T	4
08	DESo23	Financial Accounting Skills - 02	20	80	100	T	4
09	DESo24	IT Skills - 02	20	80	100	T	4
10	DESo25	On-Job-Training - 02	40	160	200	TW	8

SCIENCE PROGRAMMES

T105: PGDS {2019 PATTERN}

SN	Code	Name	CA	EE	TM	Type	Credits
Semester 01: 16 Credits							
01	DSS011	Basic Mathematics 1	20	80	100	T	4
02	DSS012	Basic Mathematics 2	20	80	100	T	4
03	DSS013	Fundamentals of Statistics	20	80	100	T	4
04	DSS014	Excel Application in Statistics	-	100	100	TW	4
Semester 02: 16 Credits							
05	DSS021	Inferential Statistics	20	80	100	T	4
06	DSS022	Sampling Theory and Regression	20	80	100	T	4
07	DSS023	Design of Experiment	20	80	100	T	4
08	DSS024	R Programming for Statistics	-	100	100	TW	4

V92: B.SC. (PHY, CHE, MATHS) {2015 PATTERN}

SN	Code	Name	Sem	CAT	EE	TM	Type	Cat	Credits
Semester 01: 22 Credits									
01	AEC111	English Communication	01	20	80	100	T	AECC	4
02	S34121	Physics – 01	01	20	80	100	T	CC01-01	4
03	S37131	Chemistry – 01	01	20	80	100	T	CC02-01	4
04	S41141	Mathematics – 01	01	20	80	100	T	CC03-01	4
05	S34122	Physics – 01 Practical	01	10	40	50	P	CC01-01	2
06	S37132	Chemistry – 01 Practical	01	10	40	50	P	CC02-01	2

SN	Code	Name	Sem	CAT	EE	TM	Type	Cat	Credits
07	S41142	Mathematics – 01 Practical	01	10	40	50	P	CC03-01	2
Semester 02: 22 Credits									
08	AEC211	Environmental Science	02	20	80	100	T	AECC	4
09	S34221	Physics – 02	02	20	80	100	T	CC01-02	4
10	S37231	Chemistry – 02	02	20	80	100	T	CC02-02	4
11	S41241	Mathematics – 02	02	20	80	100	T	CC03-02	4
12	S34222	Physics – 02 Practical	02	10	40	50	P	CC01-02	2
13	S37232	Chemistry – 02 Practical	02	10	40	50	P	CC02-02	2
14	S41242	Mathematics – 02 Practical	02	10	40	50	P	CC03-02	2
Semester 03: 22 Credits									
15	SEC311	IT and ELearning Skills	03	20	80	100	T	SEC	4
16	S34321	Physics – 03	03	20	80	100	T	CC01-03	4
17	S37331	Chemistry – 03	03	20	80	100	T	CC02-03	4
18	S41341	Mathematics – 03	03	20	80	100	T	CC03-03	4
19	S34322	Physics – 03 Practical	03	10	40	50	P	CC01-03	2
20	S37332	Chemistry – 03 Practical	03	10	40	50	P	CC02-03	2
21	S41342	Mathematics – 03 Practical	03	10	40	50	P	CC03-03	2
Semester 04: 22 Credits									
22	SEC411	Research Methodology	04	20	80	100	T	SEC	4
23	S34421	Physics – 04	04	20	80	100	T	CC01-04	4
24	S37431	Chemistry – 04	04	20	80	100	T	CC02-04	4
25	S41441	Mathematics – 04	04	20	80	100	T	CC03-04	4
26	S34422	Physics – 04 Practical	04	10	40	50	P	CC01-04	2
27	S37432	Chemistry – 04 Practical	04	10	40	50	P	CC02-04	2
28	S41442	Mathematics – 04 Practical	04	10	40	50	P	CC03-04	2
Semester 05: 22 Credits									
29	SEC511	Financial and Investment Skills	05	20	80	100	T	SEC	4
30	S34521	Physics – 05	05	20	80	100	T	DSE01-01	4
31	S37531	Chemistry – 05	05	20	80	100	T	DSE02-01	4
32	S41541	Mathematics – 05	05	20	80	100	T	DSE03-01	4
33	S34522	Physics – 05 Practical	05	10	40	50	P	DSE01-01	2
34	S37532	Chemistry – 05 Practical	05	10	40	50	P	DSE02-01	2
35	S41542	Mathematics – 05 Practical	05	10	40	50	P	DSE03-01	2
Semester 06: 22 Credits									
36	SEC611	Personality and Career Skills	06	20	80	100	T	SEC	4
37	S34621	Physics – 06	06	20	80	100	T	DSE01-02	4
38	S37631	Chemistry – 06	06	20	80	100	T	DSE02-02	4
39	S41641	Mathematics – 06	06	20	80	100	T	DSE03-02	4
40	S34622	Physics – 06 Practical	06	10	40	50	P	DSE01-02	2
41	S37632	Chemistry – 06 Practical	06	10	40	50	P	DSE02-02	2
42	S41642	Mathematics – 06 Practical	06	10	40	50	P	DSE03-02	2

V58: M.SC. (ENVIRONMENTAL SCIENCE) {2015 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 16 Credits								
01	S27011 or MES101	Environmental Science and Ecology	20	80	100	T	4	40%
02	S27012 or MES102	Environmental Engineering	20	80	100	T	4	40%
03	S27013 or MES103	Natural Resources and Their Conservation	20	80	100	T	4	40%
04	S27014 or MES203	Lab Activities on S27011, S27012 & S27013 or MES101, MES102 and MES103	20	80	100	P	4	40%
Semester 02: 16 Credits								
05	S27021 or MES104	Pollution and Health and Hazards	20	80	100	T	4	40%
06	S27022 or MES201	Environmental Statistics and Computer Application	20	80	100	T	4	40%
07	S27023 or MES202	Environmental Pollution and Control	20	80	100	T	4	40%
08	S27024 or MES204	Lab Activities on S27021 S27022 & S27023 or MES104, MES201 and MES202	20	80	100	P	4	40%
Semester 03: 16 Credits								
09	S27031 or MES301	Environmental Monitoring and Energy Studies	20	80	100	T	4	40%
10	S27032 or MES302	Natural Resources and Instrumentation	20	80	100	T	4	40%
11	S27033 or MES304	Environmental Microbiology, Toxicology and Chemistry	20	80	100	T	4	40%
12	S27034 or MES403	Lab Activities on S27031 and S27033 Or MES301 and MES304	20	80	100	P	4	40%
Semester 04: 16 Credits								
13	S27041 or MES303	Environmental Education, Policies and Legislation	20	80	100	T	4	40%
14	S27042 or MES401	Environmental Management – Land, Soil and Water	20	80	100	T	4	40%
15	S27043 or MES402	Environmental Geo-science	20	80	100	T	4	40%
16	S27044 or MES404	Project - Work	20	80	100	PW	4	40%

WITHDRAWN PROGRAMMES

ARCHITECTURE PROGRAMMES

V40: FOUNDATION DIPLOMA IN ARCH. & DESIGN {2011 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 24 Credits								
01	A27011	Mathematics 1	20	80	100	T	4	50%
02	A27012	Sciences 1	20	80	100	T	4	50%
03	A27013	Social Sciences 1	20	80	100	T	4	50%
04	A27014	Arts & Crafts 1	20	80	100	STW	4	50%
05	A27015	Communication Skills 1	20	80	100	STW	4	50%
06	A27016	Workshop 1	20	80	100	STW	4	50%
Semester 02: 24 Credits								

SN	Code	Name	CA	EE	TM	Type	CR	Min %
07	A27021	Mathematics 2	20	80	100	T	4	50%
08	A27022	Sciences 2	20	80	100	T	4	50%
09	A27023	Social Sciences 2	20	80	100	T	4	50%
10	A27024	Arts & Crafts 2	20	80	100	STW	4	50%
11	A27025	Communication Skills 2	20	80	100	STW	4	50%
12	A27026	Workshop 2	20	80	100	STW	4	50%
Semester 03: 24 Credits								
13	A27031	Mathematics 3	20	80	100	T	4	50%
14	A27032	Sciences 3	20	80	100	T	4	50%
15	A27033	Social Sciences 3	20	80	100	T	4	50%
16	A27034	Arts & Crafts 3	20	80	100	STW	4	50%
17	A27035	Communication Skills 3	20	80	100	STW	4	50%
18	A27036	Workshop 3	20	80	100	STW	4	50%
Semester 04: 24 Credits								
19	A27041	Mathematics 4	20	80	100	T	4	50%
20	A27042	Sciences 4	20	80	100	T	4	50%
21	A27043	Social Sciences 4	20	80	100	T	4	50%
22	A27044	Arts & Crafts 4	20	80	100	STW	4	50%
23	A27045	Communication Skills 4	20	80	100	STW	4	50%
24	A27046	Workshop 4	20	80	100	STW	4	50%

V22: B.ARCH. (GENERAL) {2010 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 24 Credits								
01	A24011	Theory of Structures - 1	10	40	50	T	2	50%
02	A24012	Culture and Built Form - 1	10	40	50	T	2	50%
03	A24013	Architectural Drawing-1	20	80	100	STW	4	50%
04	A24014	Art Studio - 1	20	80	100	STW	4	50%
05	A24015	Building Construction -1	20	80	100	SV	4	50%
06	A24016	Architectural Design-1	40	160	200	SV	8	50%
Semester 02: 24 Credits								
07	A24021	Theory of Structures - 2	10	40	50	T	2	50%
08	A24022	Culture and Built Form - 2	10	40	50	T	2	50%
09	A24023	Architectural Drawing - 2	20	80	100	STW	4	50%
10	A24024	Art Studio - 2	20	80	100	STW	4	50%
11	A24025	Building Construction - 2	20	80	100	SV	4	50%
12	A24026	Architectural Design - 2	40	160	200	SV	8	50%
Semester 03: 24 Credits								
13	A24031	Theory of Structures - 3	10	40	50	T	2	50%
14	A24032	Culture and Built Form - 3	20	80	100	T	4	50%
15	A24033	Architectural Drawing - 3	10	40	50	STW	2	50%
16	A24034	Building Services and Sciences - 1	20	80	100	STW	4	50%
17	A24035	Building Construction - 3	20	80	100	SV	4	50%
18	A24036	Architectural Design - 3	40	160	200	SV	8	50%
Semester 04: 24 Credits								
19	A24041	Theory of Structures - 4	10	40	50	T	2	50%
20	A24042	Culture and Built Form - 4	20	80	100	T	4	50%
21	A24043	Architectural Drawing - 4	10	40	50	STW	2	50%
22	A24044	Building Services and Sciences - 2	20	80	100	STW	4	50%
23	A24045	Building Construction - 4	20	80	100	SV	4	50%
24	A24046	Architectural Design - 4	40	160	200	SV	8	50%
Semester 05: 24 Credits								
25	A24051	Theory of Structures - 5	10	40	50	T	2	50%
26	A24052	Culture and Built Form - 5	20	80	100	T	4	50%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
27	A24053 A25053	Elective: Visual Communication Elective: Art in Architecture	10	40	50	STW	2	50%
28	A24054	Building Services and Sciences - 3	20	80	100	STW	4	50%
29	A24055	Building Construction - 5	20	80	100	SV	4	50%
30	A24056	Architectural Design - 5	40	160	200	SV	8	50%
Semester 06: 24 Credits								
31	A24061	Cost Estimation	10	40	50	T	2	50%
32	A24062	Culture and Built Form - 6	20	80	100	T	4	50%
33	A24063 A25063	Elective: Graphics & Printing Technology Elective: Photography & Architecture	10	40	50	STW	2	50%
34	A24064	Building Services and Sciences - 4	20	80	100	STW	4	50%
35	A24065	Building Construction - 6	20	80	100	SV	4	50%
36	A24066	Architectural Design - 6	40	160	200	SV	8	50%
Semester 07: 24 Credits								
37	A24071	Sociology	10	40	50	T	2	50%
38	A24072	Human Settlements	10	40	50	T	2	50%
39	A24073	Professional Practice - 1	10	40	50	T	2	50%
40	A24074	Interior Architecture	10	40	50	STW	2	50%
41	A24075	Landscape Design	10	40	50	STW	2	50%
42	A24076	Special Structures	10	40	50	STW	2	50%
43	A24077	Seminar & Thesis Topic	10	40	50	STW	2	50%
44	A24078 A25078	Elective: Sales and Marketing Skills Elective: Film Making and Architecture	10	40	50	STW	2	50%
45	A24079	Architectural Design-7	40	160	200	SV	8	50%
Semester 08: 24 Credits								
46	A24081	Professional Practice - 2	10	40	50	T	2	50%
47	A24082	Specifications & Controls	10	40	50	T	2	50%
48	A24083 A25083	Elective: Geographic Information Systems (GIS) Elective: Environmental Design	10	40	50	STW	2	50%
49	A24084	Dissertation - Thesis Special Topic	10	40	50	STW	2	50%
50	A24085	Architectural - Thesis	80	320	400	SV	16	50%
Semester 09: 24 Credits								
51	A24091	Presentation & Approval drawings – 1	20	80	100	SV	4	50%
52	A24092	Site Visits & Study - 1	20	80	100	SV	4	50%
53	A24093	Interaction with Consultants - 1	10	40	50	SV	2	50%
54	A24094	Field Observations Study	20	80	100	SV	4	50%
55	A24095	Office Administration and Log Book - 1	10	40	50	SV	2	50%
56	A24096	Working Drawings and Details - 1	40	160	200	SV	8	50%
Semester 10: 24 Credits								
57	A24101	Presentation & Approval drawings – 2	20	80	100	SV	4	50%
58	A24102	Site Visits & Study - 2	20	80	100	SV	4	50%
59	A24103	Interaction with Consultants - 2	10	40	50	SV	2	50%
60	A24104	Critical Appraisal	20	80	100	SV	4	50%
61	A24105	Office Administration and Log Book - 2	10	40	50	SV	2	50%
62	A24106	Working Drawings and Details - 2	40	160	200	SV	8	50%

V41: M.ARCH (GENERAL) {2011 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 24 Credits								
01	A31011	Contemporary Architecture Trends & Theories	10	40	50	T	2	50%
02	A31012	Research Strategies	10	40	50	T	2	50%
03	A31013	Mass Housing design strategies and standards	20	80	100	STW	4	50%
04	A31014	Urban Design	20	80	100	STW	4	50%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
05	A31015 A32015	Elective: Landscape Design Elective: Architectural Conservation	20	80	100	STW	4	50%
06	A31016	Design Studio 1	40	160	200	SV	8	50%
Semester 02: 24 Credits								
07	A31021	Project Assessment & Management	10	40	50	T	2	50%
08	A31022	Finance & Economics in Building Industry	10	40	50	T	2	50%
09	A31023	Advanced Building Construction Techniques	20	80	100	STW	4	50%
10	A31024	Advanced Building Services & Design With Climate	20	80	100	STW	4	50%
11	A31025 A32025	Elective: Vernacular Architecture Elective: Futuristic Architecture	20	80	100	STW	4	50%
12	A31026	Design Studio 2	40	160	200	SV	8	50%
Semester 03: 24 Credits								
13	A31031	Building Byelaws & Architectural Practice	10	40	50	T	2	50%
14	A31032	Architectural legalities	10	40	50	T	2	50%
15	A31033	Architectural Evaluation	20	80	100	STW	4	50%
16	A31034	Architectural Documentation	20	80	100	STW	4	50%
17	A31035 A32035	Elective: Traffic & Transport Design Elective: Infrastructure Services	20	80	100	STW	4	50%
18	A31036	Design Studio 3	40	160	200	SV	8	50%
Semester 04: 24 Credits								
19	A31041	M. Arch Dissertation 1 (G)	40	160	200	SV	8	50%
20	A31042	M. Arch Dissertation 2 (G)	80	320	400	SV	16	50%

V42: M.ARCH. (CONST. MGMT.) {2011 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 24 Credits								
01	A34011	Management theories and Business organizations	10	40	50	T	2	50%
02	A34012	Financial and account management	10	40	50	T	2	50%
03	A34013	Construction materials & machinery	20	80	100	STW	4	50%
04	A34014	Computer applications in construction management	20	80	100	STW	4	50%
05	A34015 A35015	Elective: Disaster management Elective: Waste water Management	20	80	100	STW	4	50%
06	A34016	CM Project Studio 1	40	160	200	SV	8	50%
Semester 02: 24 Credits								
07	A34021	Construction logistics, project formulation and finance	10	40	50	T	2	50%
08	A34022	Quantitative research methods	10	40	50	T	2	50%
09	A34023	Advanced construction technologies	20	80	100	STW	4	50%
10	A34024	Sustainable building materials	20	80	100	STW	4	50%
11	A34025 A35025	Elective: Geographic Mapping Systems (GIS) Elective: Terrain Assessment & Mapping	20	80	100	STW	4	50%
12	A34026	CM Project Studio 2	40	160	200	SV	8	50%
Semester 03: 24 Credits								
13	A34031	Contract management and tendering procedure	10	40	50	T	2	50%
14	A34032	Construction and planning legislation	10	40	50	T	2	50%
15	A34033	Marketing and management	20	80	100	STW	4	50%
16	A34034	Human resource and quality management	20	80	100	STW	4	50%
17	A34035 A35035	Elective: CAD & Simulation Techniques Elective: Intelligent Buildings	20	80	100	STW	4	50%
18	A34036	CM Project Studio 3	40	160	200	SV	8	50%
Semester 04: 24 Credits								
19	A34041	M. Arch Dissertation 1 (CM)	40	160	200	SV	8	50%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
20	A34042	M. Arch Dissertation 2 (CM)	80	320	400	SV	16	50%

V43: M.ARCH. (ENV.ARCH.) {2011 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 24 Credits								
01	A37011	Environmental architecture theory	10	40	50	T	2	50%
02	A37012	Climate and Geography	10	40	50	T	2	50%
03	A37013	Sustainable building design principles I	20	80	100	STW	4	50%
04	A37014	Sustainable building materials	20	80	100	STW	4	50%
05	A37015 A38015	Elective: Pollution Impact & Remedies Elective: Waste water Management	20	80	100	STW	4	50%
06	A37016	EA Studio 1	40	160	200	SV	8	50%
Semester 02: 24 Credits								
07	A37021	Thermal Comfort and Passive Design I	10	40	50	T	2	50%
08	A37022	Quantitative research methods	10	40	50	T	2	50%
09	A37023	Sustainable building design principles II	20	80	100	STW	4	50%
10	A37024	Sustainable building technology	20	80	100	STW	4	50%
11	A37025 A38025	Elective: Geographic Mapping Systems (GIS) Elective: Terrain Assessment & Mapping	20	80	100	STW	4	50%
12	A37026	EA Studio 2	40	160	200	SV	8	50%
Semester 03: 24 Credits								
13	A37031	Thermal Comfort and Passive Design II	10	40	50	T	2	50%
14	A37032	Legislations for Environmental Control	10	40	50	T	2	50%
15	A37033	Ecological planning	20	80	100	STW	4	50%
16	A37034	Environmental management	20	80	100	STW	4	50%
17	A37035 A38035	Elective: CAD & Simulation Techniques Elective: Intelligent Buildings	20	80	100	STW	4	50%
18	A37036	EA Studio 3	40	160	200	SV	8	50%
Semester 04: 24 Credits								
19	A37041	M. Arch Dissertation 1 (EA)	40	160	200	SV	8	50%
20	A37042	M. Arch Dissertation 2 (EA)	80	320	400	SV	16	50%

V44: M.ARCH. (U & R PLANNING) {2011 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 24 Credits								
01	A41011	Urban and regional planning theories	10	40	50	T	2	50%
02	A41012	Urban and regional planning history	10	40	50	T	2	50%
03	A41013	Traffic and Transport Design	20	80	100	STW	4	50%
04	A41014	Urban and Rural housing	20	80	100	STW	4	50%
05	A41015 A42015	Elective: Disaster Management Elective: Barrier Free design	20	80	100	STW	4	50%
06	A41016	URP Studio 1	40	160	200	SV	8	50%
Semester 02: 24 Credits								
07	A41021	Urban and regional planning sociology	10	40	50	T	2	50%
08	A41022	Urban and regional economics	10	40	50	T	2	50%
09	A41023	Urban and Rural Landscape design	20	80	100	STW	4	50%
10	A41024	Computer Aided Design	20	80	100	STW	4	50%
11	A41025 A42025	Elective: Geographic Mapping Systems (GIS) Elective: Regional Land Economics	20	80	100	STW	4	50%
12	A41026	URP Studio 2	40	160	200	SV	8	50%
Semester 03: 24 Credits								

SN	Code	Name	CA	EE	TM	Type	CR	Min %
13	A41031	Urban and regional planning legislation	10	40	50	T	2	50%
14	A41032	Research Methodology and Strategies	10	40	50	T	2	50%
15	A41033	Infrastructure Services	20	80	100	STW	4	50%
16	A41034	Sustainable community Development	20	80	100	STW	4	50%
17	A41035 A42035	Elective: Urban Design Documentation Elective: Conservation in Urban Context	20	80	100	STW	4	50%
18	A41036	URP Studio 3	40	160	200	SV	8	50%
Semester 04: 24 Credits								
19	A41041	M. Arch Dissertation 1 (URP)	40	160	200	SV	8	50%
20	A41042	M. Arch Dissertation 2 (URP)	80	320	400	SV	16	50%

DESIGN PROGRAMMES

V28: B.DES. {2014 PATTERN}

Students are required to choose **either “Group A” or “Group B”** Electives, from the offered elective group(s) at the respective study center, during admission to Semester 03. Same group shall be enforced during all further admissions. **Students shall not be allowed to change selected elective group for what so ever reason.**

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 24 Credits, Common for all Specializations of B.Des.								
01	A44011	Fundamentals of Structures and Design Process	20	80	100	T	4	50%
02	A44012	History of Design I	20	80	100	T	4	50%
03	A44013	Visualization Skills I	20	80	100	STW	4	50%
04	A44014	Workshop Skills I	20	80	100	STW	4	50%
05	A44015	Fundamentals of Design - 1	40	160	200	SV	8	50%
Semester 02: 24 Credits, Common for all Specializations of B.Des.								
06	A44021	History of Design II	20	80	100	T	4	50%
07	A44022	Ergonomics and Communication Skills	20	80	100	T	4	50%
08	A44023	Visualization Skills II	20	80	100	STW	4	50%
09	A44024	Workshop Skills II	20	80	100	STW	4	50%
10	A44025	Fundamentals of Design - II	40	160	200	SV	8	50%
Semester 03: 24 Credits								
11	A44031	Craft Studies and Ergonomics	20	80	100	STW	4	50%
Elective: Group A								
12	A44032	Interior Construction Techniques I	20	80	100	T	4	50%
13	A44033	Solid Modelling - 3D Max	20	80	100	T	4	50%
14	A44034	Form Space and Order I	20	80	100	STW	4	50%
15	A44035	Interior Design Project I	40	160	200	SV	8	50%
Elective: Group B								
16	A45032	Material and Processes: Wood	20	80	100	T	4	50%
17	A45033	NURBS Modelling – Rhino	20	80	100	T	4	50%
18	A45034	Elements of Form I	20	80	100	STW	4	50%
19	A45035	Industrial Design Project I	40	160	200	SV	8	50%
Semester 04: 24 Credits								
20	A44041	Photography Skills and Rendering Techniques	20	80	100	STW	4	50%
Elective: Group A								
21	A44042	Interior Services I	20	80	100	T	4	50%
22	A44043	Interior Construction Techniques II	20	80	100	T	4	50%
23	A44044	Form Space and Order II	20	80	100	STW	4	50%
24	A44045	Interior Design Project II	40	160	200	SV	8	50%
Elective: Group B								
25	A45042	Ergonomics for Work Spaces	20	80	100	T	4	50%
26	A45043	Material and Processes: : Metal	20	80	100	T	4	50%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
27	A45044	Elements of Form II	20	80	100	STW	4	50%
28	A45045	Industrial Design Project II	40	160	200	SV	8	50%
Semester 05: 24 Credits								
29	A44051	Design Theories, Methods and Documentation	20	80	100	STW	4	50%
Elective: Group A								
30	A44052	Interior Services II	20	80	100	T	4	50%
31	A44053	Interior Construction Techniques III	20	80	100	T	4	50%
32	A44054	Lighting for Interiors	20	80	100	STW	4	50%
33	A44055	Interior Design Project III	40	160	200	SV	8	50%
Elective: Group B								
34	A45052	Cognitive Ergonomics	20	80	100	T	4	50%
35	A45053	Material and Processes Plastics	20	80	100	T	4	50%
36	A45054	Typography	20	80	100	STW	4	50%
37	A45055	Industrial Design Project III	40	160	200	SV	8	50%
Semester 06: 24 Credits								
38	A44061	Design Portfolio and Film Making	20	80	100	STW	4	50%
Elective: Group A								
39	A44062	Interior Services III	20	80	100	T	4	50%
40	A44063	Estimation of Interiors	20	80	100	T	4	50%
41	A44064	Textiles in Interiors	20	80	100	STW	4	50%
42	A44065	Interior Design Project IV	40	160	200	SV	8	50%
Elective: Group B								
43	A45062	Advanced Industrial Materials	20	80	100	T	4	50%
44	A45063	Cost Estimation of Industrial Products	20	80	100	T	4	50%
45	A45064	Product Styling	20	80	100	STW	4	50%
46	A45065	Industrial Design Project IV	40	160	200	SV	8	50%
Semester 07: 24 Credits								
47	A44071	Design Seminar	20	80	100	STW	47	50%
Elective: Group A								
48	A44072	Professional Practice	20	80	100	T	48	50%
49	A44073	Interior Landscape	20	80	100	STW	49	50%
50	A44074	Interior Design Project V	60	240	300	SV	50	50%
Elective: Group B								
51	A45072	Design Management	20	80	100	T	51	50%
52	A45073	Trends and Market Analysis	20	80	100	STW	52	50%
53	A45074	Industrial Design Project V	60	240	300	SV	53	50%
Semester 08: 24 Credits								
54	A44081	Internship	100	400	500	SV	20	50%
55	A44082	Report and Documentation	20	80	100	SV	4	50%

SCIENCE PROGRAMMES

T80: B.SC. (BIO-INF.) {2006 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01								
01	SBI011	Basic Biology	-	100	100	T	4	40%
02	SBI012	Communication Skill	-	100	100	T	4	40%
03	SBI013	Mathematics	-	100	100	T	4	40%
04	SBI014	Environmental Science	-	100	100	T	4	40%
05	SBI015	Lab Course	-	100	100	P	4	40%
Semester 02								
06	SBI021	Basic Statistics	-	100	100	T	4	40%
07	SBI022	Basic Chemistry	-	100	100	T	4	40%
08	SBI023	Applied Physics	-	100	100	T	4	40%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
09	SBI024	Programming Concepts	-	100	100	T	4	40%
10	SBI025	Lab Course	-	100	100	P	4	40%
Semester 03								
11	SBI031	Basic Biochemistry	-	100	100	T	4	40%
12	SBI032	General Microbiology-I	-	100	100	T	4	40%
13	SBI033	Physiology	-	100	100	T	4	40%
14	SBI034	Metabolism	-	100	100	T	4	40%
15	SBI035	Lab Course	-	100	100		4	40%
Semester 04								
16	SBI041	Cell Biology-I	-	100	100	T	4	40%
17	SBI042	Basic Biosciences	-	100	100	T	4	40%
18	SBI043	Biophysical Techniques-I	-	100	100	T	4	40%
19	SBI044	Molecular Biology-I	-	100	100	T	4	40%
20	SBI045	Lab Course	-	100	100	P	4	40%
Semester 05								
21	SBI051	Basics of Bioinformatics	-	100	100	T	4	40%
22	SBI052	Computer Programming - I	-	100	100	T	4	40%
23	SBI053	DBMS - I	-	100	100	T	4	40%
24	SBI054	Introduction to Molecular Genetics	-	100	100	T	4	40%
25	SBI055	Lab Course	-	100	100	P	4	40%
Semester 06								
26	SBI061	Computational Molecular Biology	-	100	100	T	4	40%
27	SBI062	Computer Programming - II	-	100	100	T	4	40%
28	SBI063	DBMS - II	-	100	100	T	4	40%
29	SBI064	Cell Biology, Genetics & Immunology	-	100	100	T	4	40%
30	SBI065	Lab Course	-	100	100	P	4	40%

T82: B.SC. (BIO-TECH.) {2006 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 20Credits								
01	SBT011	Basic Biology	-	100	100	T	4	40%
02	SBT012	Communication Skill	-	100	100	T	4	40%
03	SBT013	Mathematics	-	100	100	T	4	40%
04	SBT014	Environmental Science	-	100	100	T	4	40%
05	SBT015	Lab Course	-	100	100	P	4	40%
Semester 02: 20Credits								
06	SBT021	Basic Statistics	-	100	100	T	4	40%
07	SBT022	Basic Chemistry	-	100	100	T	4	40%
08	SBT023	Applied Physics	-	100	100	T	4	40%
09	SBT024	Programming Concepts	-	100	100	T	4	40%
10	SBT025	Lab Course	-	100	100	P	4	40%
Semester 03: 20Credits								
11	SBT031	Basic Biochemistry	-	100	100	T	4	40%
12	SBT032	General Microbiology-I	-	100	100	T	4	40%
13	SBT033	Physiology	-	100	100	T	4	40%
14	SBT034	Metabolism	-	100	100	T	4	40%
15	SBT035	Lab Course	-	100	100	P	4	40%
Semester 04: 20Credits								
16	SBT041	Cell Biology-I	-	100	100	T	4	40%
17	SBT042	Basic Biosciences	-	100	100	T	4	40%
18	SBT043	Biophysical Techniques-I	-	100	100	T	4	40%
19	SBT044	Molecular Biology-I	-	100	100	T	4	40%
20	SBT045	Lab Course	-	100	100	P	4	40%
Semester 05: 20Credits								

SN	Code	Name	CA	EE	TM	Type	CR	Min %
21	SBT051	Microbial Biotechnology	-	100	100	T	4	40%
22	SBT052	Immunology-I	-	100	100	T	4	40%
23	SBT053	Genetic Engineering-I	-	100	100	T	4	40%
24	SBT054	Entrepreneurship Development	-	100	100	T	4	40%
25	SBT055	Lab Course	-	100	100	P	4	40%
Semester 06: 20Credits								
26	SBT061	Agricultural Biotechnology	-	100	100	T	4	40%
27	SBT062	Medical Biotechnology	-	100	100	T	4	40%
28	SBT063	Plant and Animal Cell Culture	-	100	100	T	4	40%
29	SBT064	Environmental Biotechnology	-	100	100	T	4	40%
30	SBT065	Lab Course	-	100	100	P	4	40%

T82: B.SC. (BIO-TECH.) {2015 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 20Credits								
01	SBT011	Basic Biology	-	100	100	T	4	40%
02	SBT012	Communication Skill	-	100	100	T	4	40%
03	SBT013	Mathematics	-	100	100	T	4	40%
04	SBT014	Environmental Science	-	100	100	T	4	40%
05	SBT015	Lab Course	-	100	100	P	4	40%
Semester 02: 20Credits								
06	SBT021	Basic Statistics	-	100	100	T	4	40%
07	SBT022	Basic Chemistry	-	100	100	T	4	40%
08	SBT023	Applied Physics	-	100	100	T	4	40%
09	SBT024	Programming Concepts	-	100	100	T	4	40%
10	SBT025	Lab Course	-	100	100	P	4	40%
Semester 03: 20Credits								
11	SBT031	Basic Biochemistry	-	100	100	T	4	40%
12	SBT032	General Microbiology-I	-	100	100	T	4	40%
13	SBT033	Physiology	-	100	100	T	4	40%
14	SBT034	Metabolism	-	100	100	T	4	40%
15	SBT035	Lab Course	-	100	100	P	4	40%
Semester 04: 20Credits								
16	SBT041	Cell Biology-I	-	100	100	T	4	40%
17	SBT042	Basic Biosciences	-	100	100	T	4	40%
18	SBT043	Biophysical Techniques-I	-	100	100	T	4	40%
19	SBT044	Molecular Biology-I	-	100	100	T	4	40%
20	SBT045	Lab Course	-	100	100	P	4	40%
Semester 05: 20Credits								
21	SBT051	Microbial Biotechnology	-	100	100	T	4	40%
22	SBT052	Immunology-I	-	100	100	T	4	40%
23	SBT053	Genetic Engineering-I	-	100	100	T	4	40%
24	SBT054	Entrepreneurship Development	-	100	100	T	4	40%
25	SBT055	Lab Course	-	100	100	P	4	40%
Semester 06: 20Credits								
26	SBT061	Agricultural Biotechnology	-	100	100	T	4	40%
27	SBT062	Medical Biotechnology	-	100	100	T	4	40%
28	SBT063	Plant and Animal Cell Culture	-	100	100	T	4	40%
29	SBT064	Environmental Biotechnology	-	100	100	T	4	40%
30	SBT065	Lab Course	-	100	100	P	4	40%

V26: B.SC. (NAUT. SC.) {2010 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01								
01	So1012	Applied Mathematics-I	20	80	100	T	4	50%
02	So1013	Nautical Physics & Electronics-I	15	60	75	T	3	50%
03	So2013	Nautical Physics & Electronics-I	05	20	25	P	1	50%
04	So1014	Navigation-I	15	60	75	T	3	70%
05	So2014	Navigation-I	05	20	25	P	1	70%
06	So1015	Voyage Planning and Collision Prevention-I	10	40	50	T	2	70%
07	So2015	Voyage Planning and Collision Prevention-I	10	40	50	P	2	70%
08	So1017	Environmental Science-I	15	60	75	T	3	50%
09	So2017	Environmental Science-I	05	20	25	P	1	50%
10	So1018	Marine Engineering and Control-I	15	60	75	T	3	50%
11	So2018	Marine Engineering and Control-I	05	20	25	P	1	50%
Semester 02								
12	So1021	English and Communication Skill	15	60	75	T	3	50%
13	So2021	English and Communication Skill	05	20	25	P	1	50%
14	So1022	Applied Mathematics-II	20	80	100	T	4	50%
15	So1023	Nautical Physics & Electronics-II	15	60	75	T	3	50%
16	So2023	Nautical Physics & Electronics-II	05	20	25	P	1	50%
17	So1024	Ship Operation Technology-I	15	60	75	T	3	60%
18	So2024	Ship Operation Technology-I	05	20	25	P	1	60%
19	So1026	Naval Architecture-I	20	80	100	T	4	60%
20	So1028	Environmental Science-II	15	60	75	T	3	50%
21	So2028	Environmental Science-II	05	20	25	P	1	50%
Semester 03								
22	So1031	Computer Science	15	60	75	T	3	50%
23	So2031	Computer Science	05	20	25	P	1	50%
24	So1032	Applied Mathematics-III	20	80	100	T	4	50%
25	So1033	Nautical Physics & Electronics-III	15	60	75	T	3	50%
26	So2033	Nautical Physics & Electronics-III	05	20	25	P	1	50%
27	So1034	Naval Architecture-II	20	80	100	T	4	60%
28	So1035	Voyage Planning and Collision Prevention-II	10	40	50	T	2	70%
29	So2035	Voyage Planning and Collision Prevention-II	10	40	50	P	2	70%
30	So1036	Cargo Work and Marine Communication	15	60	75	T	3	60%
31	So2036	Cargo Work and Marine Communication	05	20	25	P	1	60%
Semester 04								
32	So1042	Applied Mathematics-IV	20	80	100	T	4	50%
33	So1043	Nautical Physics & Electronics-IV	15	60	75	T	3	50%
34	So2043	Nautical Physics & Electronics-IV	05	20	25	P	1	50%
35	So1044	Ship Operation Technology II	15	60	75	T	3	60%
36	So2044	Ship Operation Technology II	05	20	25	P	1	60%
37	So1045	Bridge Procedure and Legal Knowledge	15	60	75	T	3	60%
38	So2045	Bridge Procedure and Legal Knowledge	05	20	25	P	1	60%
39	So1046	Navigation-II	15	60	75	T	3	70%
40	So2046	Navigation-II	05	20	25	P	1	70%
41	So1047	Environmental Science-III	15	60	75	T	3	50%
42	So2047	Environmental Science-III	05	20	25	P	1	50%
Semester 05								
43	So1054	Navigation-III	15	60	75	T	3	70%
44	So2054	Navigation-III	05	20	25	P	1	70%
45	So1055	Voyage Planning and Collision Prevention-III	15	60	75	T	3	70%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
46	So2055	Voyage Planning and Collision Prevention-III	5	20	25	P	1	70%
47	So1056	Ship Operation Technology III	15	60	75	T	3	60%
48	So2056	Ship Operation Technology III	05	20	25	P	1	60%
49	So1057	Marine Engineering and Control-II	15	60	75	T	3	50%
50	So2057	Marine Engineering and Control-II	05	20	25	P	1	50%
51	So1058	Shipping Management	20	80	100	T	4	50%
Semester 06								
52	So1064	Navigation-IV	15	60	75	T	3	70%
53	So2064	Navigation-IV	05	20	25	P	1	70%
54	So1065	Ship Operation Technology IV	15	60	75	T	3	60%
55	So2065	Ship Operation Technology IV	05	20	25	P	1	60%
56	So1066	Naval Architecture-III	20	80	100	T	4	60%
57	So1067	Marine Engineering and Control-III	15	60	75	T	3	50%
58	So2067	Marine Engineering and Control-III	05	20	25	P	1	50%
59	So1068	Maritime Law	20	80	100	T	4	50%

V45: B.Sc. (ACT. SC.) {2011 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 16Credits								
01	So4011	Mathematics for Actuaries	20	80	100	T	4	50%
02	So4012	Descriptive Statistics	20	80	100	T	4	50%
03	So4013	Interest Rates and Annuities	20	80	100	T	4	50%
04	So4014	Basics of Accounting	20	80	100	T	4	50%
Semester 02: 16Credits								
05	So4021	Business Economics - I	20	80	100	T	4	50%
06	So4022	Probability and Distributions	20	80	100	T	4	50%
07	So4023	Advanced Applications of Annuities	20	80	100	T	4	50%
08	So4024	Corporate Finance	20	80	100	T	4	50%
Semester 03: 16Credits								
09	So4031	Business Economics - II	20	80	100	T	4	50%
10	So4032	Estimation and Hypotheses Testing	20	80	100	T	4	50%
11	So4033	Life Insurance - Principles, Products and Practices	20	80	100	T	4	50%
12	So4034	Communications & Research Methodology	20	80	100	T	4	50%
Semester 04: 16Credits								
13	So4041	Stochastic Processes	20	80	100	T	4	50%
14	So4042	Survival Analysis	20	80	100	T	4	50%
15	So4043	Non-Life Insurance - Principles, Products, Practices	20	80	100	T	4	50%
16	So4044	EXCEL, MACROS with Visual Basic	20	80	100	P	4	50%
Semester 05: 16Credits								
17	So4051	Risk Models for General Insurance	20	80	100	T	4	50%
18	So4052	Reserving and Time Series	20	80	100	T	4	50%
19	So4053	Business Environment and Enterprise Risk Management	20	80	100	T	4	50%
20	So4054	Actuarial Applications Using EXCEL	20	80	100	P	4	50%
Semester 06: 16Credits								
21	So4061	Life Insurance Pricing	20	80	100	T	4	50%
22	So4062	Reserving and Joint Life Distributions	20	80	100	T	4	50%
23	So4063	Portfolio Theory Development	20	80	100	T	4	50%
24	So4064	Derivative Pricing and Risk Management	20	80	100	T	4	50%

V45: B.Sc. (ACT. SC.) {2015 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 16Credits								
01	S04011	Mathematics for Actuaries	20	80	100	T	4	40%
02	S04012	Descriptive Statistics	20	80	100	T	4	40%
03	S04013	Interest Rates and Annuities	20	80	100	T	4	40%
04	S04014	Basics of Accounting	20	80	100	T	4	40%
Semester 02: 16Credits								
05	S04021	Business Economics - I	20	80	100	T	4	40%
06	S04022	Probability and Distributions	20	80	100	T	4	40%
07	S04023	Advanced Applications of Annuities	20	80	100	T	4	40%
08	S04024	Corporate Finance	20	80	100	T	4	40%
Semester 03: 16Credits								
09	S04031	Business Economics - II	20	80	100	T	4	40%
10	S04032	Estimation and Hypotheses Testing	20	80	100	T	4	40%
11	S04033	Life Insurance - Principles, Products and Practices	20	80	100	T	4	40%
12	S04034	Communications & Research Methodology	20	80	100	T	4	40%
Semester 04: 16Credits								
13	S04041	Stochastic Processes	20	80	100	T	4	40%
14	S04042	Survival Analysis	20	80	100	T	4	40%
15	S04043	Non-Life Insurance - Principles, Products, Practices	20	80	100	T	4	40%
16	S04044	EXCEL, MACROS with Visual Basic	20	80	100	P	4	40%
Semester 05: 16Credits								
17	S04051	Risk Models for General Insurance	20	80	100	T	4	40%
18	S04052	Reserving and Time Series	20	80	100	T	4	40%
19	S04053	Business Environment and Enterprise Risk Management	20	80	100	T	4	40%
20	S04054	Actuarial Applications Using EXCEL	20	80	100	P	4	40%
Semester 06: 16Credits								
21	S04061	Life Insurance Pricing	20	80	100	T	4	40%
22	S04062	Reserving and Joint Life Distributions	20	80	100	T	4	40%
23	S04063	Portfolio Theory Development	20	80	100	T	4	40%
24	S04064	Derivative Pricing and Risk Management	20	80	100	T	4	40%

V96: B.Sc. (ACTUARIAL SCIENCE) {2016 PATTERN}

SN	Code	Name	Sem	CAT	EE	TM	Type	Cat	Credits
Semester 01: 22 Credits									
01	AEC111	English Communication	01	20	80	100	T	AECC	4
02	S64121	Financial Mathematics – 01	01	20	80	100	T	CC01-01	4
03	S67131	Actuarial Statistics – 01	01	20	80	100	T	CC02-01	4
04	S71141	Basics of Finance	01	20	80	100	T	CC03-01	4
05	S64122	Financial Mathematics – 01 Practical	01	10	40	50	P	CC01-01	2
06	S67132	Actuarial Statistics – 01 Practical	01	10	40	50	P	CC02-01	2
07	S71142	Basics of Finance Practical	01	10	40	50	P	CC03-01	2
Semester 02: 22 Credits									
08	AEC211	Environmental Science	02	20	80	100	T	AECC	4
09	S64221	Financial Mathematics – 02	02	20	80	100	T	CC01-02	4
10	S67231	Actuarial Statistics – 02	02	20	80	100	T	CC02-02	4
11	S71241	Corporate Finance	02	20	80	100	T	CC03-02	4
12	S64222	Financial Mathematics – 02 Practical	02	10	40	50	P	CC01-02	2
13	S67232	Actuarial Statistics – 02 Practical	02	10	40	50	P	CC02-02	2
14	S71242	Corporate Finance Practical	02	10	40	50	P	CC03-02	2
Semester 03: 22 Credits									
15	SEC311	IT and ELearning Skills	03	20	80	100	T	SEC	4
16	S64321	Actuarial Mathematics – 01	03	20	80	100	T	CC01-03	4
17	S67331	Survival Analysis	03	20	80	100	T	CC02-03	4
18	S71341	Business Economics – 01	03	20	80	100	T	CC03-03	4

SN	Code	Name	Sem	CAT	EE	TM	Type	Cat	Credits
19	S64322	Actuarial Mathematics – 01 Practical	03	10	40	50	P	CC01-03	2
20	S67332	Survival Analysis Practical	03	10	40	50	P	CC02-03	2
21	S71342	Business Economics – 01 Practical	03	10	40	50	P	CC03-03	2
Semester 04: 22 Credits									
22	SEC411	Research Methodology	04	20	80	100	T	SEC	4
23	S64421	Actuarial Mathematics – 02	04	20	80	100	T	CC01-04	4
24	S67431	Stochastic Processes	04	20	80	100	T	CC02-04	4
25	S71441	Business Economics – 02	04	20	80	100	T	CC03-04	4
26	S64422	Actuarial Mathematics – 02 Practical	04	10	40	50	P	CC01-04	2
27	S67432	Stochastic Processes Practical	04	10	40	50	P	CC02-04	2
28	S71442	Business Economics – 02 Practical	04	10	40	50	P	CC03-04	2
Semester 05: 22 Credits									
29	SEC511	Financial and Investment Skills	05	20	80	100	T	SEC	4
30	S64521	Mathematics for Economics and Finance – 01	05	20	80	100	T	DSE01-01	4
31	S67531	Non-Life Statistics – 01	05	20	80	100	T	DSE02-01	4
32	S71541	Enterprise Risk Management	05	20	80	100	T	DSE03-01	4
33	S64522	Mathematics for Economics and Finance – 01 Practical	05	10	40	50	P	DSE01-01	2
34	S67532	Non-Life Statistics – 01 Practical	05	10	40	50	P	DSE02-01	2
35	S71542	Enterprise Risk Management Practical	05	10	40	50	P	DSE03-01	2
Semester 06: 22 Credits									
36	SEC611	Personality and Career Skills	06	20	80	100	T	SEC	4
37	S64621	Mathematics for Economics and Finance – 02	06	20	80	100	T	DSE01-02	4
39	S67631	Non-Life Statistics – 02	06	20	80	100	T	DSE02-02	4
41	S71641	R Programming and Business Analytics	06	20	80	100	T	DSE03-02	4
38	S64622	Mathematics for Economics and Finance – 02 Practical	06	10	40	50	P	DSE01-02	2
40	S67632	Non-Life Statistics – 02 Practical	06	10	40	50	P	DSE02-02	2
42	S71642	R Programming and Business Analytics Practical	06	10	40	50	P	DSE03-02	2

T81: M.Sc. (BIO-INF.) {2006 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 07								
01	SBI071	Concepts in Computing and Basics of Bioinformatics	-	100	100	T	4	40%
02	SBI072	Biological Chemistry	-	100	100	T	4	40%
03	SBI073	Statistical Techniques	-	100	100	T	4	40%
04	SBI074	Structural Biology	-	100	100	T	4	40%
05	SBI075	Lab Course	-	100	100	P	4	40%
Semester 08								
06	SBI081	Genomics Databases & Applications	-	100	100	T	4	40%
07	SBI082	Genetic Information Flow and Processing	-	100	100	T	4	40%
08	SBI083	Programming in Perl	-	100	100	T	4	40%
09	SBI084	Protein Structure Prediction & Molecular Modeling	-	100	100	T	4	40%
10	SBI085	Lab Course	-	100	100	P	4	40%
Semester 09								
11	SBI091	Biochemistry of Metabolism	-	100	100	T	4	40%
12	SBI092	Sequence-based Bioinformatics Approaches	-	100	100	T	4	40%
13	SBI093	Programming Languages and Software Tools in Bioinformatics-I	-	100	100	T	4	40%
14	SBI094	Programming Languages and Software Tools in Bioinformatics-II	-	100	100	T	4	40%
15	SBI095	Lab Course	-	100	100	P	4	40%
Semester 10								
16	SBI101	Genetic Engineering	-	100	100	T	4	40%
17	SBI102	Genetics and Genomics	-	100	100	T	4	40%
18	SBI103	Database Management Systems	-	100	100	T	4	40%
19	SBI104	Research Methodology	-	100	100	T	4	40%
20	SBI105	Project	-	100	100	PW	4	40%

T83: M.Sc. (BIO-TECH.) {2006 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 07: 20Credits								
01	SBT071	Biochemistry	-	100	100	T	4	40%
02	SBT072	Enzymology	-	100	100	T	4	40%
03	SBT073	Biophysical Techniques-II	-	100	100	T	4	40%
04	SBT074	Biostatistics	-	100	100	T	4	40%
05	SBT075	Lab Course	-	100	100	P	4	40%
Semester 08: 20Credits								
06	SBT081	General Microbiology-II	-	100	100	T	4	40%
07	SBT082	Cell Biology-II	-	100	100	T	4	40%
08	SBT083	Genetics	-	100	100	T	4	40%
09	SBT084	Bioinformatics	-	100	100	T	4	40%
10	SBT085	Lab Course	-	100	100	P	4	40%
Semester 09: 20Credits								
11	SBT091	Immunology-II	-	100	100	T	4	40%
12	SBT092	Molecular Biology-II	-	100	100	T	4	40%
13	SBT093	Genetic Engineering-II	-	100	100	T	4	40%
14	SBT094	Intellectual Property Rights & Biosafety	-	100	100	T	4	40%
15	SBT095	Lab Course	-	100	100	P	4	40%
Semester 10: 20Credits								
16	SBT101	Plant Transgenics and Tissue Culture	-	100	100	T	4	40%
17	SBT102	Applications of Biotechnology	-	100	100	T	4	40%
18	SBT103	Pharmaceutical Biotechnology	-	100	100	T	4	40%
19	SBT104	Research Methodology	-	100	100	T	4	40%
20	SBT105	Project	-	100	100	PW	4	40%

T83: M.Sc. (BIO-TECH.) {2015 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 07: 20Credits								
01	SBT071	Biochemistry	-	100	100	T	4	40%
02	SBT072	Enzymology	-	100	100	T	4	40%
03	SBT073	Biophysical Techniques-II	-	100	100	T	4	40%
04	SBT074	Biostatistics	-	100	100	T	4	40%
05	SBT075	Lab Course	-	100	100	P	4	40%
Semester 08: 20Credits								
06	SBT081	General Microbiology-II	-	100	100	T	4	40%
07	SBT082	Cell Biology-II	-	100	100	T	4	40%
08	SBT083	Genetics	-	100	100	T	4	40%
09	SBT084	Bioinformatics	-	100	100	T	4	40%
10	SBT085	Lab Course	-	100	100	P	4	40%
Semester 09: 20Credits								
11	SBT091	Immunology-II	-	100	100	T	4	40%
12	SBT092	Molecular Biology-II	-	100	100	T	4	40%
13	SBT093	Genetic Engineering-II	-	100	100	T	4	40%
14	SBT094	Intellectual Property Rights & Biosafety	-	100	100	T	4	40%
15	SBT095	Lab Course	-	100	100	P	4	40%
Semester 10: 20Credits								
16	SBT101	Plant Transgenics and Tissue Culture	-	100	100	T	4	40%
17	SBT102	Applications of Biotechnology	-	100	100	T	4	40%
18	SBT103	Pharmaceutical Biotechnology	-	100	100	T	4	40%
19	SBT104	Research Methodology	-	100	100	T	4	40%
20	SBT105	Project	-	100	100	PW	4	40%

V34: M.Sc. (ENV. SC.)

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Year 01: 32 Credits								
01	MES101	Environmental Science and Ecology	20	80	100	T	4	40%
02	MES102	Environmental Engineering	20	80	100	T	4	40%
03	MES103	Natural Resources and Their Conservation	20	80	100	T	4	40%
04	MES104	Pollution and Health and Hazards	20	80	100	T	4	40%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
05	MES201	Environmental Statistics and Computer Application	20	80	100	T	4	40%
06	MES202	Environmental Pollution and Control	20	80	100	T	4	40%
07	MES203	Lab 1: Practical based on MES101, MES102 and MES103	-	100	100	P	4	40%
08	MES204	Lab 2: Practical based on MES104, MES201 and MES202	-	100	100	P	4	40%
Year 02: 28 Credits								
09	MES301	Environmental Monitoring and Energy Studies	20	80	100	T	4	40%
10	MES302	Natural Resources and Instrumentation	20	80	100	T	4	40%
11	MES303	Environmental Education, Policies and Legislation	20	80	100	T	4	40%
12	MES304	Environmental Microbiology, Toxicology and Chemistry	20	80	100	T	4	40%
13	MES401	Environmental Management – Land, Soil and Water	20	80	100	T	4	40%
14	MES402	Environmental Geo-science	20	80	100	T	4	40%
15	MES403	Lab 3: Practical based on MES301 and MES304	-	100	100	P	4	40%
16	MES404	Project - Work	-	100	100	PW	4	40%

V46: M.Sc. (ACT.SC.) {2011 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 24Credits								
01	S14011	Mathematics of Finance - I	20	80	100	T	4	50%
02	S14012	Mathematics of Finance - II	20	80	100	T	4	50%
03	S14013	Statistics for Actuaries - I	20	80	100	T	4	50%
04	S14014	Statistics for Actuaries – II	20	80	100	T	4	50%
05	S14015	Corporate Finance & Financial Reporting-I	20	80	100	T	4	50%
06	S14016	Corporate Finance & Financial Reporting-II	20	80	100	T	4	50%
Semester 02: 24Credits								
07	S14021	Actuarial Modeling-I	20	80	100	T	4	50%
08	S14022	Actuarial Modeling-II	20	80	100	T	4	50%
09	S14023	Casualty Actuarial Science and Time Series-I	20	80	100	T	4	50%
10	S14024	Casualty Actuarial Science and Time Series-II	20	80	100	T	4	50%
11	S14025	Actuarial Business Economics-I	20	80	100	T	4	50%
12	S14026	Actuarial Business Economics-II	20	80	100	T	4	50%
Semester 03: 24Credits								
13	S14031	Life Contingencies-I	20	80	100	T	4	50%
14	S14032	Life Contingencies-II	20	80	100	T	4	50%
15	S14033	Financial Economics - I	20	80	100	T	4	50%
16	S14034	Financial Economics - II	20	80	100	T	4	50%
17	S14035	Communication & Research Methodology	20	80	100	T	4	50%
18	S14036	Business Environment and Enterprise Risk Management	20	80	100	T	4	50%
Semester 04: 24Credits								
19	S14041	Asset and Liability Management – I	20	80	100	T	4	50%
20	S14042	Asset and Liability Management – II	20	80	100	T	4	50%
21	S14043	Asset and Liability Management – III	20	80	100	T	4	50%
22	S14044	EXCEL, MACROS with Visual Basic	20	80	100	P	4	50%
23	S14045	Actuarial Applications Using EXCEL	20	80	100	P	4	50%
24	S14046	Actuarial Project	20	80	100	PW	4	50%

V47: M.Sc. (IND. ENGG.) {2011 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01								
01	S17011	Advanced Production Planning & Control	20	80	100	T	4	50%
02	S17012	Project Management	20	80	100	T	4	50%
03	S17013	Marketing Management	20	80	100	T	4	50%
04	S17014	Research Methodology	20	80	100	T	4	50%
05	S17015	Industrial Engineering Lab	20	80	100	P	4	50%
Semester 02								
06	S17021	Ergonomics	20	80	100	T	4	50%
07	S17022	Reliability Engineering	20	80	100	T	4	50%
08	S17023	World Class Manufacturing	20	80	100	T	4	50%
09	S17024	Software Engineering	20	80	100	T	4	50%
10	S17025	Software Lab	20	80	100	P	4	50%
Semester 03								
11	S17031	Systems Analysis and Simulation	20	80	100	T	4	50%
12	S17032	Enterprise Resource Planning	20	80	100	T	4	50%
13	S17033	Service Marketing	20	80	100	T	4	50%
14	S17034	Security Analysis and Portfolio Management	20	80	100	T	4	50%
15	S17035	Project Work Stage I	20	80	100	PW	4	50%
Semester 04								
16	S17041	Organizational Behavior	20	80	100	T	4	50%
17	S17042	Project Work Stage II	80	320	400	PW	16	50%

V46: M.Sc. (ACT.SC.) {2015 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 24Credits								
01	S14011	Mathematics of Finance- I	20	80	100	T	4	40%
02	S14012	Mathematics of Finance - II	20	80	100	T	4	40%
03	S14013	Statistics for Actuaries - I	20	80	100	T	4	40%
04	S14014	Statistics for Actuaries – II	20	80	100	T	4	40%
05	S14015	Corporate Finance & Financial Reporting-I	20	80	100	T	4	40%
06	S14016	Corporate Finance & Financial Reporting-II	20	80	100	T	4	40%
Semester 02: 24Credits								
07	S14021	Actuarial Modeling-I	20	80	100	T	4	40%
08	S14022	Actuarial Modeling-II	20	80	100	T	4	40%
09	S14023	Casualty Actuarial Science and Time Series-I	20	80	100	T	4	40%
10	S14024	Casualty Actuarial Science and Time Series-II	20	80	100	T	4	40%
11	S14025	Actuarial Business Economics-I	20	80	100	T	4	40%
12	S14026	Actuarial Business Economics-II	20	80	100	T	4	40%
Semester 03: 24Credits								
13	S14031	Life Contingencies-I	20	80	100	T	4	40%
14	S14032	Life Contingencies-II	20	80	100	T	4	40%
15	S14033	Financial Economics - I	20	80	100	T	4	40%
16	S14034	Financial Economics - II	20	80	100	T	4	40%
17	S14035	Communication & Research Methodology	20	80	100	T	4	40%
18	S14036	Business Environment and Enterprise Risk Management	20	80	100	T	4	40%
Semester 04: 24Credits								
19	S14041	Asset and Liability Management – I	20	80	100	T	4	40%
20	S14042	Asset and Liability Management – II	20	80	100	T	4	40%
21	S14043	Asset and Liability Management – III	20	80	100	T	4	40%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
22	S14044	EXCEL, MACROS with Visual Basic	20	80	100	P	4	40%
23	S14045	Actuarial Applications Using EXCEL	20	80	100	P	4	40%
24	S14046	Actuarial Project	20	80	100	PW	4	40%

V57: M.SC. (MATHEMATICS) {2015 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01: 20 Credits								
01	S24011	Algebra - I	20	80	100	T	4	40%
02	S24012	Advanced Calculus	20	80	100	T	4	40%
03	S24013	Real Analysis	20	80	100	T	4	40%
04	S24014	Differential Equations	20	80	100	T	4	40%
05	S24015	Classical Mechanics	20	80	100	T	4	40%
Semester 02: 20 Credits								
06	S24021	Linear Algebra	20	80	100	T	4	40%
07	S24022	Topology	20	80	100	T	4	40%
08	S24023	Complex Analysis	20	80	100	T	4	40%
09	S24024	Numerical Analysis	20	80	100	T	4	40%
10	S24025	Differential Geometry	20	80	100	T	4	40%
Semester 03: 20 Credits								
11	S24031	Functional Analysis	20	80	100	T	4	40%
12	S24032	Advanced Discrete Mathematics	20	80	100	T	4	40%
13	S24033	Number Theory-	20	80	100	T	4	40%
14	S24034	Integral Equations	20	80	100	T	4	40%
15	S24035	Operation Research –I	20	80	100	T	4	40%
Semester 04: 20 Credits								
16	S24041	Measure and Integration	20	80	100	T	4	40%
17	S24042	Partial Differential Equations	20	80	100	T	4	40%
18	S24043	Riemannian Geometry -I	20	80	100	T	4	40%
19	S24044	Riemannian Geometry – II	20	80	100	T	4	40%
20	S24045	Operation Research –II	20	80	100	T	4	40%

TECHNOLOGY PROGRAMMES

V55: DIP (ELECTRICAL ENGG) {2014 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min%
Semester 01								
01	T14011	Basic Science	20	80	100	T	4	50%
02	T14012	Basic Mathematics	20	80	100	T	4	50%
03	T14013	Technical Communication	20	80	100	T	4	50%
04	T14014	Engineering Mechanics	20	80	100	T	4	50%
05	T14015	TC, PP and Soft-Skills	20	80	100	TW	4	50%
06	T14016	Computer Basics and Basic Science	20	80	100	P	4	50%
Semester 02								
07	T14021	Applied Science	20	80	100	T	4	50%
08	T14022	Applied Mathematics - 1	20	80	100	T	4	50%
09	T14023	Electronic Components & Applications	20	80	100	T	4	50%
10	T14024	Engineering Drawing-2	20	80	100	T	4	50%
11	T14025	Workshop Practice (Programme Specific)	20	80	100	TW	4	50%
12	T14026	Applied Science and Engineering Drawing – 1	20	80	100	P	4	50%

SN	Code	Name	CA	EE	TM	Type	CR	Min%
Semester 03								
13	T14031	Basic Electronics	20	80	100	T	4	50%
14	T14032	Applied Mathematics - 2	20	80	100	T	4	50%
15	T14033	Basic Electrical Engineering	20	80	100	T	4	50%
16	T14034	Electrical and Electronic Measurement	20	80	100	T	4	50%
17	T14035	Computer Programming	20	80	100	TW	4	50%
18	T14036	Basic Electronics, Electrical and Measurement	20	80	100	P	4	50%
Semester 04								
19	T14041	Industrial Instrumentation	20	80	100	T	4	50%
20	T14042	Transformers and DC Machines	20	80	100	T	4	50%
21	T14043	AC Machines	20	80	100	T	4	50%
22	T14044	Electrical Power Generation	20	80	100	T	4	50%
23	T14045	Industrial Instrumentation and Basic Mechanical Engineering	20	80	100	TW	4	50%
24	T14046	Transformers, DC and AC Machines	20	80	100	P	4	50%
Semester 05								
25	T14051	Industry Electrical Systems	20	80	100	T	4	50%
26	T14052	Microcontroller	20	80	100	T	4	50%
27	T14053	Power Electronics	20	80	100	T	4	50%
28	T14054	Electrical Power Transmission and Distribution	20	80	100	T	4	50%
29	T14055	Industry Electrical Systems and Energy Conservation & Audit	20	80	100	TW	4	50%
30	T14056	Microcontroller and Power Electronics	20	80	100	P	4	50%
Semester 06								
31	T14061	Industrial Management	20	80	100	T	4	50%
32	T14062	Switchgear & Protection	20	80	100	T	4	50%
33	T14063	Electrical Testing and Maintenance	20	80	100	T	4	50%
34	T14064 T15064	Elective-I: Any one of following courses Illumination Engineering Modern Electric Traction	20	80	100	T	4	50%
35	T14065	Project-Work	20	80	100	TW	4	50%
36	T14066	Electrical Testing and Maintenance and Activity Course on Elective 1	20	80	100	PW	4	50%

V62: DIP (MECH. ENGG) {2012 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01								
01	T07011	Basic Science	20	80	100	T	4	50%
02	T07012	Basic Mathematics	20	80	100	T	4	50%
03	T07013	Technical Communication	20	80	100	T	4	50%
04	T07014	TC, PP and Soft-Skills	20	80	100	TW	4	50%
05	T07015	Computer Basics and Basic Science	20	80	100	P	4	50%
Semester 02								
06	T07021	Applied Science	20	80	100	T	4	50%
07	T07022	Applied Mathematics - 1	20	80	100	T	4	50%
08	T07023	Production Processes	20	80	100	T	4	50%
09	T07024	Workshop Practice (Programme Specific)	20	80	100	TW	4	50%
10	T07025	Applied Science and Engineering Drawing - 1	20	80	100	P	4	50%
Semester 03								
11	T07031	Engineering Mechanics	20	80	100	T	4	50%
12	T07032	Applied Mathematics - 2	20	80	100	T	4	50%
13	T07033	Engineering Drawing - 2	20	80	100	T	4	50%
14	T07034	Manufacturing Technology and Engineering Mechanics	20	80	100	TW	4	50%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
15	To7035	Computer Programming and Engineering Drawing-2	20	80	100	P	4	50%
Semester 04								
16	To7041	Electrical Engineering	20	80	100	T	4	50%
17	To7042	Electronics Engineering	20	80	100	T	4	50%
18	To7043	Strength of Material	20	80	100	T	4	50%
19	To7044	Mechanical Engineering Drawing	20	80	100	TW	4	50%
20	To7045	Electrical and Electronics Engineering	20	80	100	P	4	50%
Semester 05								
21	To7051	Theory of Machines and Mechanisms	20	80	100	T	4	50%
22	To7052	Thermal Engineering - 1	20	80	100	T	4	50%
23	To7053	Mechanical Engineering Materials	20	80	100	T	4	50%
24	To7054	Entrepreneurship Development and Maintenance Engineering	20	80	100	TW	4	50%
25	To7055	Theory of Machines & Mechanisms and Thermal Engineering-1	20	80	100	P	4	50%
Semester 06								
26	To7061	Machine Design	20	80	100	T	4	50%
27	To7062	Thermal Engineering - 2	20	80	100	T	4	50%
28	To7063	Fluid Mechanics and Machinery	20	80	100	T	4	50%
29	To7064	Machine Design and Thermal Engineering-2	20	80	100	TW	4	50%
30	To7065	Fluid Mechanics and Machinery	20	80	100	P	4	50%
Semester 07								
31	To7071	Metrology and Quality Control	20	80	100	T	4	50%
32	To7072	Advance Manufacturing Processes	20	80	100	T	4	50%
33	To7073	Automobile Engineering	20	80	100	T	4	50%
34	To7074	Advance Manufacturing Processes and Seminar	20	80	100	TW	4	50%
35	To7075	Metrology & Quality Control and CNC Machines	20	80	100	P	4	50%
Semester 08								
36	To7081	Industrial Management	20	80	100	T	4	50%
37	To7082	Renewable Energy Sources	20	80	100	T	4	50%
38	To7083 To8083	Elective I: Any one of following courses Refrigeration & Air-Conditioning Mechanical Measurement & Control	20	80	100	T	4	50%
39	To7084	Project-Work	20	80	100	PW	4	50%
40	To7085	Renewable Energy Sources and Elective - I Practical	20	80	100	P	4	50%

V63: DIP (E&TC ENGG) {2012 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01								
01	To4011	Basic Science	20	80	100	T	4	50%
02	To4012	Basic Mathematics	20	80	100	T	4	50%
03	To4013	Technical Communication	20	80	100	T	4	50%
04	To4014	TC, PP and Soft-Skills	20	80	100	TW	4	50%
05	To4015	Computer Basics and Basic Science	20	80	100	P	4	50%
Semester 02								
06	To4021	Applied Science	20	80	100	T	4	50%
07	To4022	Applied Mathematics - 1	20	80	100	T	4	50%
08	To4023	Electronic Components & Applications	20	80	100	T	4	50%
09	To4024	Workshop Practice(Programme Specific)	20	80	100	TW	4	50%
10	To4025	Applied Science and Engineering Drawing-1	20	80	100	P	4	50%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 03								
11	To4031	Basic Electronics	20	80	100	T	4	50%
12	To4032	Applied Mathematics - 2	20	80	100	T	4	50%
13	To4033	Basic Electrical Engineering	20	80	100	T	4	50%
14	To4034	Computer Programming	20	80	100	TW	4	50%
15	To4035	Basic Electronics and Electrical Engineering	20	80	100	P	4	50%
Semester 04								
16	To4041	Applied Electronics	20	80	100	T	4	50%
17	To4042	Digital Electronics	20	80	100	T	4	50%
18	To4043	Analog Communication	20	80	100	T	4	50%
19	To4044	Digital Electronics and Industrial Measurement	20	80	100	TW	4	50%
20	To4045	Applied Electronics and Analog Communication	20	80	100	P	4	50%
Semester 05								
21	To4051	Linear Integrated Circuits	20	80	100	T	4	50%
22	To4052	Microcontroller	20	80	100	T	4	50%
23	To4053	Digital Communication	20	80	100	T	4	50%
24	To4054	Microcontroller and Entrepreneurship Development	20	80	100	TW	4	50%
25	To4055	Linear Integrated Circuits and Digital Communication	20	80	100	P	4	50%
Semester 06								
26	To4061	Power Electronics	20	80	100	T	4	50%
27	To4062	Electronics Instruments and Measurement	20	80	100	T	4	50%
28	To4063	Advance Communication System	20	80	100	T	4	50%
29	To4064	Electronics Instruments & Measurements and Power Electronics	20	80	100	TW	4	50%
30	To4065	Video Engineering and Advance Communication System	20	80	100	P	4	50%
Semester 07								
31	To4071	Control System & PLC	20	80	100	T	4	50%
32	To4072	Computer Hardware & Networking	20	80	100	T	4	50%
33	To4073	Embedded System Design	20	80	100	T	4	50%
34	To4074	Computer Hardware & Networking and Seminar	20	80	100	TW	4	50%
35	To4075	Control System & PLC and Embedded System Design	20	80	100	P	4	50%
Semester 08								
36	To4081	Industrial Management	20	80	100	T	4	50%
37	To4082	Mobile Communication	20	80	100	T	4	50%
38	To4083 To5083	Elective-I: Any one of following courses Mechatronics Biomedical Instrumentation	20	80	100	T	4	50%
39	To4084	Project-Work	20	80	100	PW	4	50%
40	To4085	Mobile Communication & Elective – I Practical	20	80	100	P	4	50%

T34: B.TECH. (ELECTRONICS ENGG.) {2004 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01								
01	TES011	Applied Physics	-	100	100	T	4	40%
02	TES012	Applied Mathematics-1	-	100	100	T	4	40%
03	TES013	Self-Study Skills	-	100	100	T	4	40%
04	TES014	Technical Communication	-	100	100	T	4	40%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
05	TES015	Computer Fundamentals	-	100	100	P	4	40%
Semester 02								
06	TES021	Engineering Drawing-1	-	100	100	T	4	40%
07	TES022	Applied Mathematics-2	-	100	100	T	4	40%
08	TES023	Electronic Components and Materials	-	100	100	T	4	40%
09	TES024	Engineering Graphics	-	100	100	T	4	40%
10	TES025	Electronic Manufacturing and Graphics	-	100	100	P	4	40%
Semester 03								
11	TES031	Basic Electrical Engineering	-	100	100	T	4	40%
12	TES032	Electric Circuit Analysis	-	100	100	T	4	40%
13	TES033	Electrical Measurements & Instruments	-	100	100	T	4	40%
14	TES034	Electric Machines	-	100	100	T	4	40%
15	TES035	Electrical Engineering	-	100	100	P	4	40%
Semester 04								
16	TES041	Basic Electronics-1	-	100	100	T	4	40%
17	TES042	Basic Electronics-2	-	100	100	T	4	40%
18	TES043	Basic Electronics-3	-	100	100	T	4	40%
19	TES044	Basic Electronics-4	-	100	100	T	4	40%
20	TES045	Basic Electronics	-	100	100	P	4	40%
Semester 05								
21	E07051	Digital Electronics	-	100	100	T	4	40%
22	E07052	Microprocessor-1	-	100	100	T	4	40%
23	E07053	Microprocessor-2	-	100	100	T	4	40%
24	E07054	Microprocessor-3	-	100	100	T	4	40%
25	TES055	Digital Electronics and Microprocessor	-	100	100	P	4	40%
Semester 06								
26	TES061	Management Science	-	100	100	T	4	40%
27	TES062	Entrepreneurship Development	-	100	100	T	4	40%
28	TES063	Microcontrollers	-	100	100	T	4	40%
29	TES064	Electronic Measurements & Instruments	-	100	100	T	4	40%
30	TES065	Diploma Project Work-1	-	100	100	PW	4	40%
Semester 07								
31	TES071	Communication Engineering-1	-	100	100	T	4	40%
32	TES072	Communication Engineering-2	-	100	100	T	4	40%
33	TES073	Data Communication	-	100	100	T	4	40%
34	TES074	Television Engineering	-	100	100	T	4	40%
35	TES075	Communication and Television Engineering	-	100	100	P	4	40%
Semester 08								
36	TES081	PC Up-gradation and Maintenance	-	100	100	T	4	40%
37	TES082	Network Operating System (Windows Server 2003)	-	100	100	T	4	40%
38	TES083	Basic Networking (Windows Server 2003)	-	100	100	T	4	40%
39	TES084	Network Administration (Windows Server 2003)	-	100	100	T	4	40%
40	TES085	PC Maintenance and Network Administration	-	100	100	P	4	40%
Semester 09								
41	E07091	SQL Programming (SQL Server 2005)	-	100	100	T	4	40%
42	E07092	Object Oriented Programming (VB.Net 2005)	-	100	100	T	4	40%
43	E07093	Web Programming (ASP.Net 2.0)	-	100	100	T	4	40%
44	E07094	Web Data Access	-	100	100	T	4	40%
45	TES095	IT Project Work	-	100	100	PW	4	40%
Semester 10								
46	TES101	Power Electronics -1	-	100	100	T	4	40%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
47	TES102	Power Electronics -2	-	100	100	T	4	40%
48	TES103	Industrial Electronics-1	-	100	100	T	4	40%
49	TES104	Industrial Electronics-2	-	100	100	T	4	40%
50	TES105	Power and Industrial Electronics	-	100	100	P	4	40%
Semester 11								
51	TES111	Instrumentation-1	-	100	100	T	4	40%
52	TES112	Instrumentation-2	-	100	100	T	4	40%
53	TES113	Biomedical Instrumentation-1	-	100	100	T	4	40%
54	TES114	Biomedical Instrumentation-2	-	100	100	T	4	40%
55	TES115	Instrumentation	-	100	100	P	4	40%
Semester 12								
56	TES121	Total Quality Management	-	100	100	T	4	40%
57	TES122	Mobile and Personal Communication	-	100	100	T	4	40%
58	TES123	Electric Drives	-	100	100	T	4	40%
59	TES124	Electronic Circuit Design	-	100	100	T	4	40%
60	TES125	Degree Project Work-2	-	100	100	PW	4	40%

T35: B.TECH. (MECH. ENGG.) {2004 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01								
01	TML011	Applied Physics	-	100	100	T	4	40%
02	TML012	Applied Mathematics-1	-	100	100	T	4	40%
03	TML013	Self-Study Skills	-	100	100	T	4	40%
04	TML014	Technical Communication	-	100	100	T	4	40%
05	TML015	Computer Fundamentals	-	100	100	P	4	40%
Semester 02								
06	TML021	Engineering Drawing-1	-	100	100	T	4	40%
07	TML022	Applied Mathematics-2	-	100	100	T	4	40%
08	TML023	Engineering Drawing-2	-	100	100	T	4	40%
09	TML024	Machine Drawing	-	100	100	T	4	40%
10	TML025	Engineering and Machine Drawing	-	100	100	P	4	40%
Semester 03								
11	TML031	Basic Electrical Engineering	-	100	100	T	4	40%
12	TML032	Applied Chemistry	-	100	100	T	4	40%
13	TML033	Basic Electronics	-	100	100	T	4	40%
14	TML034	Electric Machines	-	100	100	T	4	40%
15	TML035	Electrical and Electronics	-	100	100	P	4	40%
Semester 04								
16	TML041	Engineering Mechanics-1	-	100	100	T	4	40%
17	Mo7042	Production Technology 1	-	100	100	T	4	40%
18	Mo7043	Production Technology 2	-	100	100	T	4	40%
19	Mo7044	Special Manufacturing Processes	-	100	100	T	4	40%
20	TML045	Production Technology	-	100	100	P	4	40%
Semester 05								
21	Mo7051	Strength of Material	-	100	100	T	4	40%
22	TML052	Engineering Mechanics-2	-	100	100	T	4	40%
23	TML053	Fluid Mechanics	-	100	100	T	4	40%
24	TML054	Hydraulic Machines	-	100	100	T	4	40%
25	TML055	Fluid Mechanics & Hydraulic Machines	-	100	100	P	4	40%
Semester 06								
26	TML061	Management Science	-	100	100	T	4	40%
27	TML062	Entrepreneurship Development	-	100	100	T	4	40%
28	TML063	Engineering Materials-1	-	100	100	T	4	40%
29	TML064	Engineering Materials-2	-	100	100	T	4	40%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
30	TML065	Diploma Project Work-1	-	100	100	PW	4	40%
Semester 07								
31	M07071	Mechanical Measurements	-	100	100	T	4	40%
32	TML072	Basic Thermodynamics	-	100	100	T	4	40%
33	TML073	Machine Design	-	100	100	T	4	40%
34	TML074	Theory of Machines	-	100	100	T	4	40%
35	TML075	Machine Design & Theory of Machines	-	100	100	P	4	40%
Semester 08								
36	TML081	Production & Operations Management-1	-	100	100	T	4	40%
37	TML082	Production & Operations Management-2	-	100	100	T	4	40%
38	M07083	Jigs and Fixture Design	-	100	100	T	4	40%
39	TML084	CNC Technology & Programming	-	100	100	T	4	40%
40	TML085	Production Engineering	-	100	100	P	4	40%
Semester 09								
41	M07091	SQL Programming (SQL Server 2005)	-	100	100	T	4	40%
42	M07092	Object Oriented Programming (VB.Net 2005)	-	100	100	T	4	40%
43	M07093	Web Programming (ASP.Net 2.0)	-	100	100	T	4	40%
44	M07094	Web Data Access	-	100	100	T	4	40%
45	TML095	IT Project Work	-	100	100	PW	4	40%
Semester 10								
46	TML101	Automobile Engineering-1	-	100	100	T	4	40%
47	TML102	Automobile Engineering-2	-	100	100	T	4	40%
48	TML103	Automobile Engineering-3	-	100	100	T	4	40%
49	TML104	Automobile Engineering-4	-	100	100	T	4	40%
50	TML105	Automobile Engineering	-	100	100	P	4	40%
Semester 11								
51	M07111	Heat Transfer	-	100	100	T	4	40%
52	M07112	Air conditioning & Refrigeration-1	-	100	100	T	4	40%
53	M07113	Air conditioning & Refrigeration-2	-	100	100	T	4	40%
54	M07114	Air conditioning & Refrigeration-3	-	100	100	T	4	40%
55	TML115	Air conditioning and Refrigeration	-	100	100	P	4	40%
Semester 12								
56	TML121	Total Quality Management	-	100	100	T	4	40%
57	TML122	Computer Aided Design	-	100	100	T	4	40%
58	TML123	Industrial Engineering	-	100	100	T	4	40%
59	TML124	Mechatronics	-	100	100	T	4	40%
60	TML125	Degree Project Work-2	-	100	100	PW	4	40%

V23: B.TECH. (MARINE ENGG.) {2010 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01								
01	To1011	Communicative English/Remedial Grammar	20	80	100	T	4	50%
02	To1012	Math I	20	80	100	T	4	50%
03	To1013	Geometrical & Engineering Drawing	20	80	100	T	4	50%
04	To1014	Applied Electricity & Electrical Measurements	20	80	100	T	4	50%
05	To1015	Workshop Technology	20	80	100	T	4	50%
06	To1016	Workshop	10	40	50	P	2	50%
07	To1017	Electrical Lab	10	40	50	P	2	50%
Semester 02								
08	To1021	Economics & Management Science	20	80	100	T	4	50%
09	To1022	Math II	20	80	100	T	4	50%
10	To1023	Applied Thermodynamics-I	20	80	100	T	4	50%
11	To1024	Material Science	20	80	100	T	4	50%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
12	T01025	Engineering Mechanics	20	80	100	T	4	50%
13	T01026	Workshop	10	40	50	P	2	50%
14	T01027	Applied Mechanics Lab	10	40	50	P	2	50%
Semester 03								
15	T01031	Applied Thermodynamics - II	20	80	100	T	4	50%
16	T01032	Math III	20	80	100	T	4	50%
17	T01033	Machine & Marine Drawing	20	80	100	T	4	50%
18	T01034	Seamanship, Sociology, Psychology and Political Science	20	80	100	T	4	50%
19	T01035	Mechanics of Materials - I	20	80	100	T	4	50%
20	T01036	Workshop	10	40	50	P	2	50%
21	T01037	Material Science Lab	10	40	50	P	2	50%
Semester 04								
22	T01041	Electronics	20	80	100	T	4	50%
23	T01042	Mechanics of Fluids	20	80	100	T	4	50%
24	T01043	Mechanics of Machines - I	20	80	100	T	4	50%
25	T01044	Electrical Machines - I	20	80	100	T	4	50%
26	T01045	Mechanics of Materials - II	20	80	100	T	4	50%
27	T01046	Workshop	10	40	50	P	2	50%
28	T01047	Electronics Lab	10	40	50	P	2	50%
Semester 05								
29	T01051	Fluid Machines	20	80	100	T	4	50%
30	T01052	Mechanics of Machines - II	20	80	100	T	4	50%
31	T01053	Computer Science	20	80	100	T	4	50%
32	T01054	Electrical Machines - II	20	80	100	T	4	50%
33	T01055	Elementary Design	20	80	100	T	4	50%
34	T01056	Computer Science Lab	10	40	50	P	2	50%
35	T01057	Electrical Machines Lab	10	40	50	P	2	50%
Semester 06								
36	T01061	Marine IC Engineering - I	20	80	100	T	4	50%
37	T01062	Marine Boiler & Steam Engineering	20	80	100	T	4	50%
38	T01063	Marine Auxiliary Machine - I	20	80	100	T	4	50%
39	T01064	Ship Construction	20	80	100	T	4	50%
40	T01065	Marine Electrical Technology	20	80	100	T	4	50%
41	T01066	Applied Heat Lab	10	40	50	P	2	50%
42	T01067	Mechanical Lab	10	40	50	P	2	50%
Semester 07								
43	T01071	Naval Architecture	20	80	100	T	4	50%
44	T01072	Marine IC Engineering - II	20	80	100	T	4	50%
45	T01073	Marine Heat Engines & Air Conditioning	20	80	100	T	4	50%
46	T01074	Marine Machines, & System Design	20	80	100	T	4	50%
47	T01075	Marine Auxiliary Machine - II	20	80	100	T	4	50%
48	T01076	Power Plant Operation	10	40	50	P	2	50%
49	T01077	Boiler Chemical Lab	10	40	50	P	2	50%
Semester 08								
50	T01081	STCW & Ship Fire Prevention	20	80	100	T	4	50%
51	T01082	Marine Control Engineering & Automation	20	80	100	T	4	50%
52	T01083	Commercial Geography, Ship Operation & Management	20	80	100	T	4	50%
53	T01084	Tanker Operations	20	80	100	T	4	50%
54	T01085	Technical Paper and Project	20	80	100	PW	4	50%
55	T01086	Fire Control Lab	10	40	50	P	2	50%
56	T01087	Control & Simulator Lab	10	40	50	P	2	50%

V61: B.TECH. (MARINE ENGG.) {2012 PATTERN}

SN	Code	Name	CA	EE	TM	Type	CR	Min %
Semester 01								
01	T11011	Communicative English	20	80	100	T	4	50%
02	T11012	Mathematics-I	20	80	100	T	4	50%
03	T11013	Engineering Mechanics	20	80	100	T	4	50%
04	T11014	Applied Electricity & Electrical Measurement	20	80	100	T	4	50%
05	T11015	Workshop Technology	20	80	100	T	4	50%
06	T11016	Applied Thermodynamics-I	20	80	100	T	4	50%
07	T11017	Applied Mechanical Lab	10	40	50	P	2	50%
08	T11018	Electrical Lab	10	40	50	P	2	50%
Semester 02								
09	T11021	Electronics-I	20	80	100	T	4	50%
10	T11022	Mathematics-II	20	80	100	T	4	50%
11	T11023	Material Science	20	80	100	T	4	50%
12	T11024	Electrical Machine-I	20	80	100	T	4	50%
13	T11025	Geometrical Engineering Drawing	20	80	100	T	4	50%
14	T11026	Applied Thermodynamics-II	20	80	100	T	4	50%
15	T11027	Electronics Lab	10	40	50	P	2	50%
16	T11028	Heat Lab	10	40	50	P	2	50%
Semester 03								
17	T11031	Electronics-II	20	80	100	T	4	50%
18	T11032	Mechanics of Machines-I	20	80	100	T	4	50%
19	T11033	Mechanics of Material-I	20	80	100	T	4	50%
20	T11034	Electrical of Machine-II	20	80	100	T	4	50%
21	T11035	Marine Machine Drawing	20	80	100	T	4	50%
22	T11036	Ship Construction	20	80	100	T	4	50%
23	T11037	Material Science Lab	10	40	50	P	2	50%
24	T11038	Electrical Machine Lab	10	40	50	P	2	50%
Semester 04								
25	T11041	Mechanics of Fluids	20	80	100	T	4	50%
26	T11042	Marine Auxiliary Machinery-I	20	80	100	T	4	50%
27	T11043	Mechanics of Material-II	20	80	100	T	4	50%
28	T11044	Marine IC Engines-I	20	80	100	T	4	50%
29	T11045	Elementary Design	20	80	100	T	4	50%
30	T11046	Naval Architecture & Ship Stability	20	80	100	T	4	50%
31	T11047	Mechanical Lab	10	40	50	P	2	50%
32	T11048	Workshop practical-I	10	40	50	P	2	50%
Semester 05								
33	T11051	Fluid Machines	20	80	100	T	4	50%
34	T11052	Marine Auxiliary Machinery-II	20	80	100	T	4	50%
35	T11053	Marine Boiler & Steam Engineering	20	80	100	T	4	50%
36	T11054	Marine IC Engine-II	20	80	100	T	4	50%
37	T11055	Marine Machine and System Design	20	80	100	T	4	50%
38	T11056	Marine Electrical Technology-I	20	80	100	T	4	50%
39	T11057	Computer Lab	10	40	50	P	2	50%
40	T11058	Workshop practical-II	10	40	50	P	2	50%
Semester 06								
41	T11061	Ship Fire Prevention	20	80	100	T	4	50%
42	T11062	Marine Auxiliary Machine-III	20	80	100	T	4	50%
43	T11063	Ship Machinery Maintenance & Dry Docking	20	80	100	T	4	50%
44	T11064	Seamanship, Commercial Geography & ISPS	20	80	100	T	4	50%
45	T11065	Marine Control Engineering & Automation	20	80	100	T	4	50%
46	T11066	Marine Electrical Technology-II	20	80	100	T	4	50%
47	T11067	Boiler Chemical Lab	10	40	50	P	2	50%

SN	Code	Name	CA	EE	TM	Type	CR	Min %
48	T11068	Control Engineering Lab	10	40	50	P	2	50%
Semester 07								
49	T11071	STCW & Class IV Preparation-I	20	80	100	T	4	50%
50	T11072	Tanker Operation	20	80	100	T	4	50%
51	T11073	Ship-in-campus - 1	20	80	100	TW	4	50%
52	T11074	Ship-in-campus - 2	20	80	100	TW	4	50%
53	T11075	Ship-in-campus - 3	20	80	100	TW	4	50%
54	T11076	Ship-in-campus - 4	20	80	100	TW	4	50%
55	T11077	Fire Control Lab	10	40	50	P	2	50%
56	T11078	Technical Paper and Project-I	10	40	50	PW	2	50%
Semester 08								
57	T11081	STCW & Class-IV Preparation-II	20	80	100	T	4	50%
58	T11082	ER Resource Management and Leadership Skills	20	80	100	T	4	50%
59	T11083	Ship-in-campus - 5	20	80	100	TW	4	50%
60	T11084	Ship-in-campus - 6	20	80	100	TW	4	50%
61	T11085	Ship-in-campus - 7	20	80	100	TW	4	50%
62	T11086	Ship-in-campus - 8	20	80	100	TW	4	50%
63	T11087	Power Plant Operation	10	40	50	P	2	50%
64	T11088	Technical Paper and Project-II	10	40	50	PW	2	50%

STUDENT SERVICES

ONLINE ADMISSION PROCESS

University has adopted Online Admission Policy for all the Programmes. Guidelines and relevant details are published on the University website. Students shall refer Online Admission Process given on the University website before taking the admission form. Student shall check the availability of the Study Center for the Academic Programme to which he/ she wish to take admission from the AST School Prospectus 2019.

PROGRAMME FEE RULES

Programme Fee Details, Eligibility Criteria and Fees Structure for Programmes offered in Academic Year 2019-20, Recognized Study Centers, etc are given in this Prospectus.

END EXAMINATION

Objective of End Examination is Assessment of the student's learning

END EXAM SCHEDULE

End examination shall be arranged in 2 sessions on each day. Normal dates and timings shall be as given below. All students and study centers are expected to note following "End Exam Time-Table" as no separate notice or intimation regarding it shall be given to any student or study center. Students are allowed to choose only those courses (**where student is admitted and registration period is valid**) for end examination, which are permitted by this "End Exam Time-Table."

Only under exceptional conditions, these dates may be changed with appropriate notice on website.

End Exam Time Table

Day and Date	Morning Session Semester 01, 02, 05, 06,09, 10, 13, 14 Start Time: 10:30 Hrs	Afternoon Session Semester 03, 04, 07, 08,11 and 12 Start Time: 14:30
End exam duration shall be for the specified time duration given on each "Question Paper" from the start time mentioned above.		
End Exam for only Theory Type of Courses, where last 3 characters of the course code are (Full course codes are used for V34, V92 and V96 Programmes)		
01st Day: Course 01 Nov or May	011, 051, 091, 131, AEC111, SEC511, MES101	031, 071, 111, SEC311, MES301
02nd Day: Course 01 Nov or May	021, 061, 101, 141, AEC211, SEC611, MES104	041, 081, 121, SEC411, MES303
03rd Day: Course 02 Nov or May	012, 052, 092, 132, S34121, S34521, S64121, S64521, MES102	032, 072, 112, S34321, S64321, MES302
04th Day: Course 02 Nov or May	022, 062, 102, 142, S34221, S34621, S64221, S64621, MES201	042, 082, 122, S34421, S64421, MES401
05th Day: Course 03 Nov or May	#013, 053, 093, 133, S37131, S37531, S67131, S67531, MES103 (# For V23 and T33 - Time 9:30- 13:30)	#033, 073, 113, S37331, S67331, MES304 (# For V23 and T33 - Time 14:30- 18:30)
06th Day: Course 03 Nov or May	023, 063, 103, 143, S37231, S37631, S67231, S67631, MES202	043, 083, 123, S37431, S67431, MES402
07th Day: Course 04 Nov or May	014, 054, 094, 134, S41141, S41541, S71141, S71541	034, 074, 114, S41341, S71341

Day and Date	Morning Session Semester 01, 02, 05, 06,09, 10, 13, 14 Start Time: 10:30 Hrs	Afternoon Session Semester 03, 04, 07, 08,11 and 12 Start Time: 14:30
08th Day: Course 04 Nov or May	024, 064, 104, 144, S41241, S41621, S71241, S71641	044, 084, 124, S41441, S71441
09th Day: Course 05 Nov or May	*015, 055, 095, 135 (Not applicable for T101)	035, 075, 115 (Not applicable for T101)
10th Day: Course 05 Nov or May	*025, 065, 105, 145 (Not applicable for T101)	045, 085, 125 (Not applicable for T101)
End Exam for Practical, Term-Work, Studio or Project-Work Type of Courses shall immediately follow after the last day of end exam for theory courses, but end positively before 30-Nov (for odd semester end exam) or 30-May (For even semester end exam). Students are required to contact their allotted exam center for the detail schedule.		

Policies and Rules

- Last End Exam for Withdrawn Programmes** is given in the “Schedule of Last Further Admission and End Exam for Withdrawn Programmes” section, starting on pages 2-4.
- Now student shall be allowed to appear in End Exam (**as permitted by the end exam time table**) for all those courses where he/she is already admitted by the university, till last end exam attempt, if it is declared by the university.
- University shall not specify any last end exam attempt in case of “Programmes on Offer”.
- While declaring last end exam attempt in case of “Withdrawn Programmes”, university shall notify with clear 1 year in advance.

STUDENT EVALUATION

Student Evaluation policies are given in this Prospectus.

FROM 2010 PATTERN ONWARDS

End examination shall be conducted in totally face-to-face mode at exam centers under full supervision and control of university. Student shall not be allowed to refer any text or reference book or his/her own notes during end examination. **80% attendance shall be essential prerequisite for appearing in end exam** for Practical, Term-Work, Studio or Project-Work Type of Courses. Certification by the study center Head / Coordinator on the “End Exam Hall Ticket” shall automatically certify this minimum 80% attendance. Due to separate assessors for each section, regular moderation of answer books shall not be used for these programmes.

- Theory Type of Courses:** EE shall have total 20 marks and 45 minutes duration for each credit of each course. For successful completion, minimum specified marks shall be essential. Block size for EE shall be 30 students. Only 5 (Five) SAQs, each of 05 marks, shall be asked on any one or more chapters from the respective credit. Out of 5 SAQs, students have to solve 4 SAQs. Only total marks shall be reported for each student.
- Studio with Term-Work Type of Courses:** EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Batch size for EE shall be 20 students. Only total marks shall be reported for each student. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective study center. The university shall appoint external examiner, who must be external to the respective study center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (out of 50 Marks)	External Examiner (out of 50 Marks)
Term work submission	Out of 20	Out of 20
Continuous Assessment submission	Out of 20	Out of 20

3. **Studio with Viva Type of Courses:** EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Batch size for EE shall be 15 students. Only total marks shall be reported for each student. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective study center. The university shall appoint external examiner, who must be external to the respective study center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (out of 50 Marks)	External Examiner (out of 50 Marks)
Term work submission	Out of 20	Out of 20
Continuous Assessment submission	Out of 20	Out of 20
Viva-Voce	Out of 10	Out of 10

4. **Practical Type of Courses:** EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 15 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective study center. The university shall appoint external examiner, who must be external to the respective study center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (out of 40 Marks)	External Examiner (out of 40 Marks)
Journal (Work-Book)	Out of 05	Out of 05
Punctuality and attendance record	Out of 05	Out of 05
Conduct of One Randomly Selected Practical Activity	Out of 10	Out of 10
Report of Practical Activity	Out of 10	Out of 10
Viva-Voce	Out of 10	Out of 10

5. **Project Work Type of Courses:** EE shall have total 20 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 08 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective study center. The university shall appoint external examiner, who must be external to the respective study center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student for 4 Credit course based on following criteria:

Parameter	Internal Examiner (out of 40 Marks)	External Examiner (out of 40 Marks)
Project Proposal and Review of Literature	Out of 10	Out of 10
Project Results and Report	Out of 20	Out of 20
Presentation	Out of 05	Out of 05
Viva-Voce	Out of 05	Out of 05

6. **Term Work Type of Courses:** EE shall have total 25 marks for each credit point block of the course and duration of End Exam shall be 240 minutes. For successful completion, minimum specified marks shall be essential. Only total marks shall be reported for each student. Batch size for EE shall be 30 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff/ mentor at the respective study center/ business/ service unit or industry. The university shall appoint external examiner, who must be external to the respective study center. The Study Center will appoint external examiner, in case of Learn & Earn Pattern Programmes on offer. {Refer Evaluation & Examination details mentioned for Learn & Earn Scheme given in this Prospectus}

Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student based on following criteria:

Parameter	Internal Examiner (out of 50 Marks)	External Examiner (out of 50 Marks)
Punctuality and attendance record	Out of 10	Out of 10
Term work submission	Out of 20	Out of 20
Viva Voce Term-work	Out of 20	Out of 20

BEFORE 2010 PATTERN

End examination shall be conducted in totally face-to-face mode at exam centers under full supervision and control of university. Student shall not be allowed to refer any text or reference book or his/her own notes during end examination. 75% attendance in studio type of courses shall be essential prerequisite for appearing in end exam. Certification by the study center Head / Coordinator on the "End Exam Hall Ticket" shall automatically certify this minimum 75% attendance.

1. **Theory Type of Courses:** EE shall have total 25 marks and 45 minutes duration for each credit of each course. For successful completion, minimum specified marks shall be

essential. Block size for EE shall be 30 students. Only 5 (Five) SAQs, each of 05 marks, shall be asked on any one or more chapters from the respective credit. Only total marks shall be reported for each student.

2. **Studio Type of Courses:** EE shall have total 25 marks and 60 minutes duration for each credit of each course. For successful completion, minimum specified marks shall be essential. Batch size for EE shall be 20 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective study center. The university shall appoint external examiner, who must be external to the respective study center. Internal examiner shall have 40% weightage and shall assess on the basis of term-work and viva. External examiner shall have 60% weightage and shall assess on the basis of presentation, term-work, and viva.
3. **Practical Type of Courses:** EE shall have total 25 marks and 60 minutes duration for each credit of each course. For successful completion, minimum 40% marks shall be essential. Batch size for EE shall be 20 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective study center. The university shall appoint external examiner, who must be external to the respective study center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student based on following criteria:
 - a. **Presentation** (only for T34 and T35 programmes): 10 marks for 4 CR course
 - b. **DSA:** Diagram and Synoptic Answer (only for T34 and T35 programmes): 20 marks for 4 CR course
 - c. **Conduct of One Randomly Selected Practical Activity:** 10 marks for 2 CR course or 20 marks for 4 CR course
 - d. **Viva-Voice:** 20 marks for T34 and T35, 30 marks for T80, T82 and 15 marks for T33 and V23
 - e. **Journal (Work-Book):** 10 marks for 4 CR course, 5 marks for 2 CR course
 - f. **Report of Practical Activity** (for all other programmes except T34 and T35): 20 marks for 4 CR course, 10 marks for 2 CR course
 - g. **GOC:** Graph, Observations and Conclusions. 20 marks for 4 CR course, 10 marks for 2 CR course
4. **Project Work Type of Courses:** EE shall have total 25 marks and 60 minutes duration for each credit point block of each course. For successful completion, minimum 40% marks shall be essential. Batch size for EE shall be 10 students. There shall be internal and external examiner. Internal examiner shall be the respective academic staff at the respective study center. The university shall appoint external examiner, who must be external to the respective study center. Internal as well as external examiner shall have 50% weightage in the assessment of each student. Each examiner shall assess each student based on following criteria:
 - a. **Project Report:** 30 marks for 4 CR course
 - b. **Presentation:** 35 marks for 4 CR course
 - c. **Viva-Voce:** 35 marks for 4 CR course

END EXAM FORM, FEE AND HALL TICKET

Only during the specified time slot, each student must apply for the end examination in the prescribed format along with the payment for the specified "Online Exam Fee (EF)". The prescribed format for the application for the end examination is 'Admission Form' for first compulsory attempt.

- First available end exam attempt after admission shall be compulsory for all students and thus, submission of the separate 'Exam Form' shall not be required. UF includes EF for the first compulsory end exam attempt.

The prescribed format for the application for the end examination is "Online Exam Form" for further attempts by the repeater student for (1) clearing backlog subjects or (2) for performance improvement. Student is allowed to appear for end examination only for those courses where the university admits him/her and registration period is valid. After receipt of "Online Exam Form," university shall confirm the

1. Respective student's admission and validity of the registration period for all those courses for which he/she has applied and
2. The receipt of specified Online Exam Fee is payable to university along with the 'Online Exam Form', for **each** repeat **regular** end exam attempt.

Only after such confirmation, "End Exam Hall Ticket" shall be provided to students. Only when student meets minimum attendance criteria, "Study Center Head" and / or "Programme Coordinator" is expected to sign with the seal of the study center on "End Exam Hall Ticket" of each student. Students are allowed to appear for end exam only with such authenticated "End Exam Hall Ticket (EHT)" and any one Photo Identity issued by government authorities (like PAN Card, Driving License, Election Card, Passport) for the student.

PERFORMANCE IMPROVEMENT

Only during the valid registration period, students are allowed to improve end exam performance by reappearing in the end examination for any course. Only the **best of the past end exam performance shall be reported** in the Mark-Statement. But, after the award of certification in the convocation, no performance improvement shall be allowed. Hence, student must attempt 'end exam performance improvement' positively before applying for the convocation.

CONVOCATION

AWARD OF CERTIFICATION

After successful completion of all subjects at all semesters of the academic programme and only after student comply with the 'Certification Eligibility' specified for the academic programme, respective certification (like Diploma, UG Degree, PG Diploma, PG Degree) may be awarded, in person or absentia, during the next convocation. But, the application by the student for the convocation along with the payment for the specified "Convocation Fee" shall be necessary.

CONTACT US

WHOM TO CONTACT

University contact details are as follows:

Yashwantrao Chavan Maharashtra Open University (YCMOU)
Dnyangangotri, Near Gangapur Dam, Nashik – 422 222, MH, India
Phone: 0253 – 2231473, 2231714, 2231715, 2230227
Fax: 0253-2231716

<http://www.ycmou.ac.in> and <http://ycmou.digitaluniversity.ac/>

1. As per the type of query, you may contact following sections / officers of the university.
2. **Always include following all details along with** your query:
 - a. Your Full Name
 - b. Your Student ID and Permanent Registration Number (PRN)
 - c. Your Programme Code and Name
 - d. Your Study Center Code and Name

Contact Points at Study Centre and YCMOU

Type of Difficulties / Problems	Contact Points
Difficulties in any course and planning of academic activities at the Study Centre	The Counsellor / Coordinator or Study Center Head at Study Centre
Registration Related Matters	Registration Head nondani@ycmou.digitaluniversity.ac Ph: (0253) 2230229. 9403774551
Student Services, Study Centre Related Matters / Grievances	Director, Student Service Division dir_ssd@ycmou.digitaluniversity.ac Ph: (0253) 2231487
Evaluation Related Matters / Grievances	Director, Evaluation dir_eval@ycmou.digitaluniversity.ac
Examination Conduction, Online Exam Form, etc Related Matters	Assistant Registrar Examination Unit 3 Ph: (0253) 2230013 Result : result@ycmou.digitaluniversity.ac
Examination, result and convocation related Matters/ Grievances	The Controller of Examination coe@ycmou.digitaluniversity.ac Ph: (0253) 2231479/2230058
Academic Matters / Study Centre Related Problems	School of Architecture, Science and Technology

	Ph : (0253) 2231473 director.ast@ycmou.ac.in
Grievances related to Academic Matters / Study Centre	Director School of Architecture , Science and Technology Ph : (0253) 2231473 director.ast@ycmou.ac.in

REGIONAL CENTERS

Following table provides contact information about **8** regional centers of the university.

SN	Regional Center [For Districts]	Address	Contact Details
1	Amrawati [Amrawati, Akola, Buldhana, Yawatmal, Washim]	V.M.V to Walgaon Road, Post V.M.V, Amravati - 444604	(M): 9422247292 Off: 0721-2531445 Fax: 0721-2531444 Email: rd_amravati@ycmou.digitaluniversity.ac
2	Aurangabad [Aurangabad, Beed, Jalna, Osmanabad]	Sr. No. 41, East side of Military Boys Hostel, Nandanvan Colony, Chhavni, Aurangabad - 431002	(M): 9422247293 Off: 0240-2371066/77 Fax: 0240-2371088 Email: rd_aurangabad@ycmou.digitaluniversity.ac
3	Kolhapur [Kolhapur, Sangli, Ratnagiri, Sindhudurg]	Near Shivaji University Post Office, Vidya Nagar, Kolhapur - 461004	(M): 9422247294 Off: 0231-2607022 Fax: 0231-2607023 Email: rd_kolhapur@ycmou.digitaluniversity.ac
4	Mumbai [Mumbai, Navi Mumbai, Raigad, Thane]	Jagannath Shankarsheth Municipal School, 2 nd Floor, Fraier Bridge (South), Nana Chowk, Grant Road, Mumbai - 400007	(M): 9403774534 Off: 022-23874180/23874183 Fax: 022-23874187 Email: rd_mumbai@ycmou.digitaluniversity.ac
5	Nagpur [Nagpur, Bhandara, Gondia, Chandrapur, Gadchiroli, Vardha]	Ravbahadur D. Laxminarayan Bunglow, Vidyapith Krida Parisar, Law College Campus, Ravinagar Chowk, Nagpur 1 Nagpur - 440001	(M): 9422247295 Off: 0712-2553724 Fax: 0712-2553725 Email: rd_nagpur@ycmou.digitaluniversity.ac
6	Nanded [Nanded, Latur, Parbhani, Hingoli]	Swami Ramanand Tirth Marathwada Vidyapeeth Campus, Nanak Kaman, Zari Road, Vishnupuri, Nanded - 431 606	(M): 9422247296 Off: 02462-229940 Fax: 02462-229950 Email: rd_nanded@ycmou.digitaluniversity.ac
7	Nashik [Nashik, Ahamednagar, Dhule, Jalgaon, Nandurbar]	Old Municipal Corporation Building, 2nd Floor, New Pandit Colony, Nashik – 422002	(M): 9422247297 Off: 0253-2317063 Fax: 0253-2576756 Email: rd_nashik@ycmou.digitaluniversity.ac
8	Pune [Pune, Satara, Solapur]	C/o Shahir Annabhau Sathe Prashala, Municipal School No 5, 654, Sadashiv Peth, Kumthekar Marg, Pune - 411030	(M): 9422247298 Off: 020-24457914 Fax: 020-24491107 Email: rd_pune@ycmou.digitaluniversity.ac

STUDY CENTERS

Study Centers details for all Programmes on offer and for withdrawn programmes are separately given in AST Study Center Details 2019.

APPENDICES

APPENDIX 1 : GR COPIES FOR LEARN & EARN SCHEME

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ
आणि अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी
ॲंड मॅनेजमेन्ट, ठाणे यांच्या संयुक्त विद्यमानाने
चालविण्यात येणा-या "शिका व कमवा" या
योजनेसाठी शासनाची मान्यता प्रदान
करण्याबाबत..

महाराष्ट्र शासन
उच्च व तंत्र शिक्षण विभाग
शासन निर्णय क्र. मान्यता-२०१७/(१८८/१७)/विशि-३
मादाम कामा रोड, हुतात्मा राजगुरु चौक,
मंत्रालय विस्तार भवन, मुंबई ४०० ०३२.
दिनांक :- १३ मार्च, २०१८.

- वाचा-** १. शासन निर्णय उच्च व तंत्र शिक्षण विभाग क्र, टिईडी २०१०/(१४४/१०)/तांशि-५,
दि. २६ जुलै, २०१०.
२. संचालक, तंत्रशिक्षण महाराष्ट्र राज्य मुंबई यांचे पत्र क्र. १०/एनजीपी/शिका व
कमवा/२०१५/२७१, दि. १.४.२०१५ व क्र. १०/एनजीपी/शिका व कमवा/२०१५/४४६,
दि. ११.५.२०१५.
३. शासन निर्णय उच्च व तंत्र शिक्षण विभाग क्र, मान्यता-२०१४/(१४७/१४)/तांशि-५,
दि. २९ मे, २०१५.
४. कुलगुरु, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांचे इरादा पत्र,
दि. ३० मार्च, २०१७.

प्रस्तावना :-

कुलगुरु, यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांनी दि. ३१ मार्च, २०१७
रोजी च्या पत्रान्वये अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड मॅनेजमेन्ट, ठाणे यांना काही
अभ्यासक्रम सुरु करण्याचे इरादापत्र प्रदान केले आहे. सदर इरादा पत्रातील तरतूदीनुसार
राज्यामध्ये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठामार्फत चालविण्यात येणा-या पदविका
स्तरावरील १. डिप्लोमा इन इशेन्शियल स्कील्स (Diploma in Essential Skills), २. डिप्लोमा इन
बीझनेस स्कील्स (Diploma in Business Skills), आणि ३. डिप्लोमा इन इंडेस्ट्रियल स्कील्स
(Diploma in industrial Skills) हे तीन अभ्यासक्रम, अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी ॲंड
मॅनेजमेन्ट, ठाणे यांच्या संयुक्त विद्यमाने "शिका व कमवा" या उपक्रमांतर्गत राबविण्यात येणार
आहेत.

केंद्र शासनाच्या स्किल इंडिया या अभियानांतर्गत अधिकाधिक कुशल कामगारांची निर्मिती
करणे त्यासाठी नवनवीन कौशल्य प्रशिक्षण अभ्यासक्रम सुरु करण्यात येत आहेत. यापूर्वीच
व्यवसायिक, रिटेल, औद्योगिक इ. क्षेत्रामध्ये काम करीत असलेल्या विद्यार्थ्यांना किंवा औद्योगिक
क्षेत्रामध्ये सामावून घेणा-या प्रशिक्षणाथ्यांना स्किल डेव्हलपमेंट या कार्यक्रमात सहभाग करून घेणे

क्रमप्राप्त ठरणार आहे. याकरीता सार्वजनिक क्षेत्र व खाजगी क्षेत्र यांनी आपापसात भागीदारी रत्वावर काम करणे आवश्यक आहे. ही बाब विचारात घेऊन यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ आणि अमिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट,ठाणे यांच्या संयुक्त विद्यमाने "शिक्षा व कामवा" ही योजना अंमलात येणार आहे. या योजनेअंतर्गत अमिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट,ठाणे या संस्थेकडून काही नामवंत उद्योगांबरोबर सार्नजस्य करार (MOU) केले जाणार आहेत. या माध्यमातून पदविका स्तरावरील अभ्यासक्रम राज्यभरात गरीब विद्यार्थ्यांना शिकत असताना on the job प्रशिक्षण देऊन त्यांना उद्योगांमध्ये व व्यवसायांमध्ये सामावून घेण्यात येणार आहे. या कालावधीत त्यांना विद्यावेतन देखील देण्यात येणार आहे. त्यामुळे गरीब विद्यार्थ्यांना मोफत पायाभूत स्वल्पाचे (Basic) उपयोजित तंत्र शिक्षण, कौशल्य शिक्षण, लेखा विषयक शिक्षण इत्यादी कौशल्याची प्राप्ती होणार असून विद्यार्थ्यांना विद्यावेतन देखील प्राप्त होणार आहे. या उपक्रमांतर्गत येणारा संपूर्ण खर्च उपभोक्ता म्हणून उद्योगकांकडून सोसण्यात येणार आहे. त्यामुळे प्रत्यक्षात शासनावर कोणत्याही प्रकारचा आर्थिक भार पडणार नाही.

त्याच धर्तीवर यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक आणि अमिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट,ठाणे यांच्या संयुक्त विद्यमाने चालविण्यात येणा-या "शिक्षा व कामवा" या योजनेला शासनाचे सहकार्य देण्याबाबतचा प्रस्ताव शासनाच्या विचाराधीन होता. उक्त प्रस्तावाचा सर्वांगीण विचार करून शासन खालीलप्रमाणे निर्णय घेत आहे.

शासन निर्णय :-

यशवंतराव चव्हाण मुक्त विद्यापीठ आणि अमिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे यांच्या वरम्यान "शिक्षा व कामवा" या उपक्रमांतर्गत पत्रविक्षा स्तरावरील प्रशिक्षणाकरिता १. डिप्लोमा इन इन्व्हाशियल स्कौल्स (Diploma in Essential Skills), २. डिप्लोमा इन बीजनेस स्कौल्स (Diploma in Business Skills), आणि ३. डिप्लोमा इन इंडेस्ट्रीयल स्कौल्स (Diploma in Industrial Skills) हे तीन अभ्यासक्रम राबविण्यासाठी विद्यापीठाने सदर संस्थेस दिलेल्या इरादापत्रास शासनाची मान्यता प्रदान करण्यात येत आहे.

२. ही शासन मान्यता खालील अटी व शर्तीच्या अधिन राहून देण्यात येत आहे :-
१) "शिक्षा व कामवा" या उपक्रमांतर्गत सहभाग असलेल्या सर्व विद्यार्थ्यांना on the job training (कामावर असतानाचे प्रशिक्षण) उद्योग व व्यवसाय मध्ये देण्यात येते. सदर शिक्षण पूर्ण झाल्यानंतर त्यांना पदविका प्रमाणपत्र यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठमार्फत देण्यात येणार आहे. ही बाब विचारात घेऊन, प्रशिक्षणासाठी "Apprenticeship Act, १९६१" मधील तरतुदीचे तंतोतंत पालन करण्याच्या अटीच्या अधिन राहून अभ्यासक्रमाच्या कालावधीत Apprentices म्हणून संबोधण्यात यावे.

पृष्ठ ४ पैकी २

२) उक्त प्रशिक्षणाधीचा प्रशिक्षणाचा कालावधी २ वर्षांपलिकडे जाणार नाही याची काळजी विद्यापीठाने घ्यावी. तसेच विद्यार्थ्यांना "Apprenticeship Act, १९६१" मधील तरतूदीनुसार अनुज्ञेय ठरविलेले किमान विद्यावेतन किंवा उद्योजक यापेक्षा जास्त विद्यावेतन देऊ इच्छित असेल तर ते विद्यावेतन संबंधित उद्योजक बांधकानून देण्यात यावे.

३) विद्यार्थ्यांसाठी साधन सामग्री, पाठ्यपुस्तके व साहित्य इत्यादी आणि प्रशिक्षणावरील इतर सर्व खर्चाचा भार ज्या उद्योगांच्या कारखान्यामध्ये विद्यार्थी प्रशिक्षण घेत असतील त्या उद्योजक आस्थापना किंवा अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे हे सोसतील.

४) सर्व सहभागी विद्यार्थ्यांचा किंवा उत्तरविषयात याबाबत तसेच त्यांच्या सुरक्षितता व वैयक्तिक देखभाली संदर्भात आवश्यक त्या सपाययोजना कराव्यात.

५) उपलब्ध सुविधांचा विचार करून वा योजनेमध्ये सहभागी होण्याचा निर्णय विद्यापीठाच्या सहमतीने घेण्याची मुभा अन्य संस्थांना राहिल. यासाठी संस्थांनी आवश्यकतेनुसार अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे या संस्थेशी स्वतंत्र करारनामा करावा.

६) या अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे संस्थेच्या पदाधिका-बांधकानून चांगल्या वर्तमानाची उगी घेण्यात यावी. तसेच सदर अभ्यासक्रमांचा दर्जा व गुणवत्ता ही अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे यांच्या मार्फत उत्तम राखली जाईल याची खात्री विद्यापीठाने करावी व तिचे सैनियंत्रण करावे. गैरव्यवहार, घर्जा व राखणे या व अशा अन्य स्वरूपाच्या योग्य (Valid) कारणांसाठी हे अभ्यासक्रम राबविण्यास दिलेली मान्यता रद्द करण्याचे अधिकार शासनास राहतील.

७) या सुविधा यथावंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक यांच्या मार्फत अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अँड मॅनेजमेन्ट, ठाणे या संस्थेस अभ्यासक्रम चालविण्यासाठी दिलेल्या मान्यतेच्या कालावधीपुरत्या नवीनित राहतील.

८) या अभ्यासक्रमांच्या मान्यतेच्या/कार्यपद्धतीच्या अनुषंगाने पविष्यात काही गुंतागुंत झाल्यास/ न्यायालयीन प्रकरण उद्भवल्यास त्याची संपूर्ण जबाबदारी यथावंतराव चव्हाण मुक्त विद्यापीठची राहिल.

९) शासनास आवश्यक असेल त्यावेळी शासनकडून नवीन अटी व शर्ती घालण्यात येतील.

१०) वरील सर्व अटी व शर्ती मान्य असल्याचे बंधनपत्र संस्थेने विद्यापीठास तसेच शासनास सादर करणे आवश्यक राहिल.

३. सदर शासन निर्णय, महाराष्ट्र शासनाच्या www.maharashtra.gov.in या संकेतस्थळावर उपलब्ध करण्यात आला असून त्याचा संकेतांक क्रमांक २०१८०३१३१७५११९७७०८ असा आहे. हा आदेश डिजिटल स्वाक्षरीने साक्षात्कृत करून काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने,

**Sanjay A.
Dharurkar**

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(सं.जी. वाचपकर)

अवर सचिव, महाराष्ट्र शासन

प्रति,

१. कुलगुरु, महावंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नाशिक.
२. संचालक, उच्च शिक्षण, पुणे.
३. संचालक, तंत्र शिक्षण संचालनालय, महाराष्ट्र राज्य, मुंबई.
४. संचालक, व्यवसाय शिक्षण व प्रशिक्षण, मुंबई.
५. संचालक, महाराष्ट्र राज्य तंत्रशिक्षण मंडळ, मांझे(पु) मुंबई.
६. मा. मंत्री (उ.व. तं. शि.) यांचे विशेष कार्यकारी अधिकारी, मंत्रालय, मुंबई.
७. मा. ऊपर मुख्य सचिव, उच्च व तंत्र शिक्षण विभाग यांचे स्वीय सहाय्यक.
८. श्री. सुधीर विहीर, अध्यक्ष, अभिनव इन्स्टिट्यूट ऑफ टेक्नॉलॉजी अॅंड मॅनेजमेन्ट, ६०१, पॅराडॉक्स टॉवर, ठाणे (पश्चिम) ४०० ६०१.
९. निवळ नस्ती..

APPENDIX 2 : UGC RECOGNITION (1992)

APPENDIX 1

APPENDIX 1.1 : LETTER OF RECOGNITION FROM UGC

UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI-110002.

NO. F.5-15/89 (OPP-I)

December, 1992

The Secretary
Govt. of Maharashtra
Higher and Technical
Education and Employment Deptt.
Mantralaya Annex
Bombay- 400032.

Sub : Recognition of Yashwantrao Chavan Maharashtra Open University,
Nashik for Central assistance under Section 12-B of the UGC Act, 1956.

Sir,

With reference to the correspondence resting with your letter No. MOJ/ 63003 (241/92) UNI dated 11th November, 1992 on the above subject, I am to say that the University Grants Commission has agreed to declare the Yashwantrao Chavan Maharashtra Open University Nashik established under Maharashtra State Act No. XX of 1989, fit to receive Central assistance for all purposes including Institutional development in terms of the rules framed under Section 12-B of the UGC Act, 1956.

The receipt of the letter may please be acknowledged.

Yours faithfully,


Sd/xxx
(I J GUPTA)
JOINT SECRETARY

Copy to: -

1. The Vice - Chancellor, Yashwantrao Chavan Maharashtra Open University, Nashik-422005.
2. Secretary to the Govt. of India, Ministry of Human Resource Development (Deptt. of Education) New Delhi.
3. The Registrar, Indira Gandhi National Open University, Maidan Garhi, New Delhi- 110068.
4. The Secretary, Association of Indian Universities, 16, Kotla Marg, New Delhi- 110002.
5. Desk Officer (Meeting) / S.O.FD-III/S.O.SU-II/S.S.O.-I, Stat, U.G.C. New Delhi.
6. All Officers /Sections, UGC New Delhi.

Sd/-
(D. D. Mehta)
SECTION OFFICER

APPENDIX 3 : UGC EQUIVALENCE LETTER (2004)

 ज्ञान-विज्ञानं विमुक्तये	विश्वविद्यालय अनुदान आयोग बहादुरशाह जफर मार्ग नई दिल्ली - ११०००२ UNIVERSITY GRANTS COMMISSION BAHADURSHAH ZAFAR MARG NEW DELHI-110002
F1-52/2000(CPP-II)	5 MAY 2004
The Registrar / Director Of all the Indian Universities (Deemed, State, Central Universities / Institutions of National importance)	
Subject : Recognition of Degrees awarded by Open Universities.	
Sir/Madam, There are a number of open Universities in the country offering various degrees/diploma through the mode of non-formal education. The Open Universities have been established in the country by an Act of Parliament or State Legislature in accordance with the provisions contained in Section 2(f) of University Grants Commission Act, 1956. These universities are, therefore, empowered to award degrees in terms of Section 22(1) of the UGC Act, 1956. A circular was earlier issued vide UGC letter N.F.1-8/92(CPP) dated February, 1992 mentioning that the Certificate, Diplomas and Degrees awarded by Indira Gandhi National Open University are to be treated equivalent to the corresponding awards of the Universities in the country. Attention is further invited to UGC circular No.F1-25/93(CPP-II) dated 28 th July, 1993 (copy enclosed) for recognition of degrees and diplomas as well as transfer of credit for courses successfully completed by students between the two types of universities so that the mobility of students from Open University stream to traditional Universities is ensured without any difficulty. The UGC has specified the nomenclature of degrees under Section 22(3) of the UGC Act, 1956 to ensure mandatory requirements viz. minimum essential academic inputs required for awarding such degrees. A copy of Gazette Notification regarding specification of degrees issued vide No.1-52/97(CPP-II) dated 31 st January 2004 is enclosed. The details are also given in UGC Web site : www.ugc.ac.in May, I therefore request you to treat the Degrees / Diploma / Certificates awarded by the Open Universities in conformity with the UGC notification on Specification of Degrees as equivalent to the corresponding awards of the traditional Universities in the country.	
Yours faithfully (Dr. Mrs. Pankaj Mittal) Joint Secretary	
Encl. : As Above Copy to : 1. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary Education and Higher Education, Shastri Bhavan, New Delhi-110001. 2. The Secretary, All Indian Council for Technical Education, I.G. Sports Complex, Indraprastha Estate, New Delhi-110002. 3. The Secretary, Association of Indian Universities (AIU), 16, Comrade Inderjit Gupta Marg (Kotla Marg), New Delhi-110002. 4. The Secretary, National Council for Teacher Education, I.G. Stadium, I. P. Estate, New Delhi-110002. 5. The Director of Distance Education Council, IGNOU Campus, Maidan Garhi, New Delhi-110068. 6. The Vice-Chancellor, Indira Gandhi National Open University, Maidan Garhi, New Delhi-110068. 7. The Vice-Chancellor, Dr. B. R. Ambedkar Open University, Road, No. 46, Jubilee Hills, Hyderabad-500033. (AP) 8. The Vice-Chancellor, Nalanda Open University, West Gandhi Maidan, Patna-800001 (Bihar) 9. The Vice-Chancellor, Dr. Babasaheb Ambedkar Open University, Shahigaug, Ahmedabad-380003 (Gujarat) 10. The Vice-Chancellor, Karnataka State Open University, Manasagangotri, Mysore-570006 (Karnataka) 11. The Vice-Chancellor, Yashwantrao Chavan Maharashtra Open University, Nashik-422222 (Maharashtra) 12. The Vice-Chancellor, Kota Open University, Vardhaman Mahaveer Open University, Kota-324010 (Rajasthan) 13. The Vice-Chancellor, Netaji Subhash Open University, Kolkata-700020 (West Bengal) 14. The Vice-Chancellor, Madhya Pradesh Bhoj (Open) University, Bhopal-462016 (M.P.)	
(V.K. Jaiswal) Under Secretary	

मुक्त विद्यापीठाच्या पदव्यांना समकक्षता व शासनमान्यता

(१) अन्य विद्यापीठांच्या पदवीशी समकक्षता

मा. शिक्षण संचालक (उच्च शिक्षण) महाराष्ट्र राज्य यांच्या पत्र क्र. समक (उ. शि.)/१०९४/३२८६९/मवि-१, दि. ३० ऑक्टोबर १९९५ च्या पत्रान्वये 'केंद्रीय किंवा राज्य विधिमंडळाने अधिनियमाद्वारे भारतातील विद्यापीठाने दिलेली पदवी/पदविका आणि संसदेने अधिनियमाद्वारे इतर शैक्षणिक संस्था प्रस्तावित केलेल्या आहेत किंवा विद्यापीठ अनुदान आयोग अधिनियम (१९५६) मधील कलम क्र. ३ अन्वये मानीव विद्यापीठे घोषित केली आहेत अशांच्या बाबतीत पदवी किंवा पदविका मान्यता देण्याबाबतचे औपचारिक आदेश विद्यापीठाने काढण्याची आवश्यकता नाही'.

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ हे महाराष्ट्र राज्याच्या विधिमंडळाने अधिनियमाद्वारे (कायदा क्र. २०/१९८९) स्थापन केलेले विद्यापीठ असून त्यास विद्यापीठ अनुदान आयोगाचीही मान्यता आहे. त्यामुळे या विद्यापीठाची पदवी इतर विद्यापीठांच्या पदवीशी समकक्ष आहे.

(२) विद्यापीठ अनुदान आयोगाची मान्यता

विद्यापीठ अनुदान आयोग, नवी दिल्ली यांनी त्यांचे पत्र क्र. F/S-15/89 (CPP-1) दि. ८ डिसेंबर १९९२ नुसार विद्यापीठ अनुदान आयोगाच्या १९५६ च्या कायद्यातील कलम १२-बी अन्वये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठास मान्यता दिली आहे.

(३) महाराष्ट्र लोकसेवा आयोगाची मान्यता

उपसचिव व परीक्षा नियंत्रक, महाराष्ट्र लोकसेवा आयोग, मुंबई यांच्या पत्र क्र. १४७७ (१७/१९९४/कक्ष) दि. १७ फेब्रुवारी १९९४ च्या पत्रातील मान्यतेसंबंधीचा मजकूर - 'यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ हे संविधिमान्य (Statutory) असल्यामुळे आपल्या विद्यापीठाच्या पदवीधर विद्यार्थ्यांकडून आलेले अर्ज देखील इतर मान्यताप्राप्त विद्यापीठांच्या पदवीधर उमेदवारांकडून आलेल्या अर्जांप्रमाणेच आयोगाकडून विचारात घेतले जातील'.

मुक्त विद्यापीठाच्या पदवी/पदविकांना महाराष्ट्र शासनमान्यता

विद्यापीठ अनुदान आयोगाने मान्यता दिलेली विद्यापीठे राज्य क्षेत्रीय पदासाठी पदवी/पदविका मान्यता

महाराष्ट्र शासन सामान्य प्रशासन विभाग

शासन निर्णय : क्रमांक आरबीडी-१३९४/प्र.क्र. २१/९४/१३, मंत्रालय, मुंबई ४०००३२, दिनांक ८ मार्च १९९५

बाधा : (१) सामान्य प्रशासन विभाग, शासन निर्णय क्रमांक आरबीडी-१०६१/१८९६७/११४ - जे दिनांक २१ ऑगस्ट १९९९

शासन निर्णय : महाराष्ट्र लोक सेवा आयोगाशी विचार विनिमय करून उपरोक्त दिनांक २१ ऑगस्ट १९९९ च्या आदेशाद्वारे असा निर्णय घेण्यात आला होता की, केंद्र अथवा राज्य विधिमंडळाच्या अधिनियमाद्वारे स्थापित झालेली विद्यापीठे, संसदेच्या अधिनियमाद्वारे स्थापन झालेल्या इतर शैक्षणिक संस्था, किंवा विद्यापीठ अनुदान आयोग अधिनियम, १९५६ च्या अंतर्गत भाग ३ अन्वये जाहीर झालेली मानवी विद्यापीठे यांनी प्रदान केलेल्या पदव्या / पदविका तसेच भारतीय वैद्यकीय मंडळ अधिनियम, १९५६ च्या परिशिष्टामध्ये अंतर्भूत केलेल्या वैद्यकीय व संलग्न विषयांमधील पदव्या यांना शासकीय महाविद्यालयांतील अभ्यासकीय पदे वगळता, राज्यातील सेवा व पदांवरील भरतीसाठी आपोआप मान्यता प्राप्त झाली असल्याचे समजण्यात यावे.

(२) सदर आदेशासोबत विद्यापीठ अनुदान आयोगाने मान्यता दिलेल्या वैधानिक विद्यापीठे व संस्थांची यादी जोडण्यात आली होती. आयोग मान्यताप्राप्त विद्यापीठे व संस्था यांची अद्ययावत यादी आता या आदेशासोबत जोडण्यात आली आहे. शासन निर्णय, सामान्य प्रशासन विभाग, क्रमांक आरबीडी - १०६१/१८९६७/११४/जे दिनांक २१ ऑगस्ट १९९९ मध्ये नमूद केलेल्या आणि वर परिच्छद १ मध्ये उद्भूत केलेल्या हेतूसाठी सदर सर्व विद्यापीठे/संस्था यांनी प्रदान केलेल्या पदवी/पदविकांना आपोआप मान्यता देण्यात आल्याचे समजण्यात यावे.

महाराष्ट्रचे राज्यपाल यांच्या आदेशानुसार व नावाने

या. र. राणे
अवर सचिव, महाराष्ट्र शासन

प्रति,

- (१) राज्यपालांचे सचिव
- (२) मुख्य मंत्र्यांचे सचिव
- (३) सचिव, महाराष्ट्र लोकसेवा आयोग, मुंबई
- (४) महालेखापाल, महाराष्ट्र-१, मुंबई
- (५) महालेखापाल, महाराष्ट्र-२, मुंबई
- (६) निवासी लेखा परीक्षा अधिकारी, मुंबई
- (७) अभियंता व लेखा अधिकारी, मुंबई
- (८) उपपंचक, उच्च न्यायालय (मूळ न्याय शाखा), मुंबई
- (९) उपपंचक, उच्च न्यायालय (अपील शाखा), मुंबई
- (१०) प्रबंधक, लोक आयुक्ता व उप लोक आयुक्त यांचे कार्यालय, मुंबई
- (११) सर्व मंत्रालयीन विभाग
- (१२) मंत्रालयीन विभागांच्या निबंधकांच्या निबंधकांखालील सर्व विभाग प्रमुख व कार्यालय प्रमुख
- (१३) अवर सचिव, भात सरकार, मिशन मंत्रालय, नवी दिल्ली
- (१४) निवड यती

बाधा : महाराष्ट्र शासनाच्या उपरोक्त शासन निर्णय क्रमांक आर.जी.डी. १३९४/प्र.क्र.२१/९४/१३ मंत्रालय, मुंबई. दिनांक ८ मार्च १९९५ च्या सोबत जोडलेल्या यादीमध्ये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ, नागिक यांची अनुक्रमांक १४६ वर नोंद करण्यात आलेली आहे.

APPENDIX 5: ADMISSION FOR MORE THAN 1 PROGRAMME

DISTANCE EDUCATION COUNCIL
INDIRA GANDHI NATIONAL OPEN UNIVERSITY

15983-16229

F.No.DEC/Notification/40.5.1.5/2012

Dated:01.11.2012

NOTIFICATION

Sub: Policy on pursuing two or more programmes simultaneously in various combinations - regarding.

The Distance Education Council in its 40th meeting held on 08.06.2012 has decided on the policy on pursuing two or more programmes simultaneously in various combinations. Two degree programmes cannot be allowed to be pursued simultaneously. However, a student can pursue two programmes simultaneously through distance or combination of distance and regular modes from the same or different University(ies)/ Institution(s) in various combinations, viz.,

1. One Degree and one Diploma/Post Graduate Diploma/Certificate
2. One Post Graduate Diploma and one Diploma/Certificate
3. One Diploma and one Certificate
4. Two Post Graduate Diplomas
5. Two Diplomas
6. Two Certificates

This is for information and adherence by all concerned.


(DIRECTOR)

To

VCs of all SOUs/ Heads of DEIs

3. The Registrar
YCMOU
Dnyanagotri, Near Gangapur Dam
Nashik-422 222,
MAHARASHTRA