REGULATIONS FOR M ARCH. /M PLANNING PROGRAMME (2013)

Regulations for M Arch. / M Planning Programme 2013.

1.0 General:

The duration of the M Planning/ M Arch. Degree Course for 2 academic years comprises of 4 semesters. Duration is counted from the date of commencement of the first semester of the courses. Credit system is adopted for the course. A minimum of 75 credits have to be secured by the student to be awarded with the degree.

2.0 Eligibility:

- 1. The candidate should have Bachelors Degree in the appropriate branch (as specified in the annexure to this document) of Kerala University or Bachelors Degree of another University approved and recognized by the Kerala University.
- 2. The candidate should have a minimum CGPA of 6.0 in a 10 point scale. If the candidate obtained the B Arch/ B Plan/ B Tech Degree in Civil Engineering degree from a University where credit system was not followed, he /she should have a minimum of 60 % aggregate marks and where the credit system was followed, absolute marks will not be considered for selection.
- 3. Candidates who have passed AMIE/AMIETE/AIIA examination and satisfying the following conditions are also eligible for admission to M Planning/ M Arch. Courses in Institutions under University of Kerala.
 - a. They must have a valid GATE score.
 - b. A minimum mark of 55% for section B in AMIE/AMIETE examinations.
 - c. Minimum 3 years of professional experience in the field of specialization after acquiring the qualification.
- 4. The list of relevant branch(es) of B Arch/B.Tech/B Plan degree to be considered as the qualifying degree for each specialisation in the M Planning/M Arch program will be as in Annexure A to this document.

3.0 Structure of the M Planning/ M Arch Programme

- 3.1 The programme will span four semesters, each semester with a minimum of 75 working days. The academic programme in each semester will consist of course work and/or thesis work as specified for each specialisation. The total contact hours is normally about 30 hours per week including the departmental assistance.
- 3.2 The programme of instruction for each stream of specialisation will consist of
 - i. Core courses
 - ii. Elective courses
 - iii. Design Studio
 - iv. Dissertation
 - v. Practical Training
 - vi. Thesis work
- 3.3 The academic programme in each semester will consist of course work and thesis work as specified for each specialization. The scheme is so drawn up that the minimum number of credits for successful completion of the M Planning / M Arch programme is 75.
- 3.4 The first and second semester lecture based theory subjects will have common end of semester examinations conducted by the University, whereas the theory subjects for the third semester will have end of semester examinations conducted by the individual institutions. Dissertation, Practical training and course on Research Methodology will only have internal examinations. The Planning/Design Studios I, II and III will have end semester evaluation by a jury. The evaluation jury for this will consist of an internal faculty member and an external expert in the respective field of specialization. The final viva- voce examination for the Thesis in the fourth semester will be conducted by the University.

3.5 Credits will be assigned to the courses as given in the Table 1.

Table 1: Distribution of Credits for various course work

Course work	Weekly hours	Credits allotted
Theory subject	3	3
Design Studio	14-16	7-8
Dissertation	3	3
Practical Training	-	2
Research Methodology	2	2
Thesis	24	12

- 3.6 A student will have to register in all the **core courses** listed in the scheme and syllabus of his / her selected area of specialization and successfully complete all of them. He/she has to register for the Elective courses from the list of courses offered by the Department in that particular semester in consultation with the course coordinator.
- 3.7 The medium of instruction, examination, seminar and project reports will be in English.

4.0 Content of the Course Work

4.1 Semester I:

The student has to credit 4 Theory subjects and Planning/Design Studio –I in the first semester. All the theory subjects will be core subjects of which one will be mathematics related subject. Seminars are integrated into the Planning/Design Studio.

The Planning/Design Studio- I have to be completed as group work/individual work and will be evaluated by the staff member/s concerned.

4.2 Semester II:

The student has to credit 4 theory subjects and Planning/Design Studio –II in this semester. Among the 4 theory subjects, one would be a core subject, one would be stream elective one would be departmental elective, and the other a compulsory course on Research Methodology. Stream and departmental electives are to be selected from the list of electives for each department. Seminars are integrated into the Planning/Design studio.

The Planning/Design Studio- II has to be completed as group work/individual work and will be evaluated by the staff member/s concerned.

4.3 Semester III:

The student has to credit 3 theory subjects, Dissertation, and Planning/Design Studio-III. One theory would be a core subject, the second would be a stream Elective to be selected from the list of stream electives and the other would be an interdisciplinary course. The inter-disciplinary course has to be selected from the list of Inter-Disciplinary courses offered by another department in consultation with the Course Coordinator. Each Department will announce the list of Inter-Disciplinary courses offered, from among the common list of Inter-Disciplinary courses offered for the programme.

Prior to the start of the third semester, the students have to undergo practical training of minimum duration of two weeks and that would be evaluated and credited in the third semester. The dissertation will provide the students an opportunity to undertake research work on a topic relevant to their field of specialisation. The Planning/Design Studio- III has to be completed as group work/individual work and will be evaluated by the staff member/s concerned.

4.4 Semester IV:

In the fourth semester there will be one core subject and thesis work. Throughout the semester evaluation of the progress of the thesis work would be done to assess the quality and quantum of the thesis work by the Evaluation Committee. At least one technical paper is to be prepared for possible publication in Journals/ Conferences. The final evaluation of the Thesis would be conducted by board of examiners constituted by the University including the Guide and an external examiner.

4.5 Seminar

The seminars are integrated with the Planning/Design Studio I, II and III. Out of the total internal marks for the studio,15% is allocated for the seminar reviews. The seminar

reviews shall be conducted by a committee consisting of the concerned Studio faculty/ faculties and an expert(as per availability) from the industry. The student shall select the topic relevant to their area of specialization and with approval from the faculty/ faculties in charge. There will be two reviews based on seminar presentations and this shall be followed by a technical paper submission of the seminars taken.

4.6 Dissertation

The dissertation will provide the students an opportunity to undertake research work on a topic relevant to their field of specialisation. Each student would be allotted guide who will guide and periodically evaluate the progress of the study. At the end of study the student has to submit two copies of the report of the study undertaken. There shall be a final evaluation by a committee consisting of an internal faculty and an external expert.

The distribution of credits for the course work is given in Table 2.

Table 2: Distribution of credits among the semesters

Semester	Course work content	Total credits allotted	Allotted credits semester-wise
I	4 Theory Subjects	4x3 = 12	
1	Planning/Design Studio – I	1x7=7	19
II	4 Theory Subjects - 1 Core subject, 1Stream Elective,1Departmental Elective and a compulsory course on Research Methodology	1x3 + 1x3 + 1x3 + 1x2 =11	19
	Planning/Design Studio – II	1x8 = 8	
	1 Theory Subject (Core)	1x3 = 3	
	1 Theory Subject (Stream Elective)	1x3 = 3	22
III	1 Non-Department Elective (Interdisciplinary Elective)	1x3 = 3	
	Planning/Design Studio – III	1x8 = 8	
	Dissertation	1x3 = 3	
	Practical Training	1x2=2	
IV	Thesis	1 x12=12	15
1 4	1 Theory Subject (Core)	1x3 = 3	
	Total Credits in all four semesters		75

5.0 Details of committees for approval and course work contents:

The entire academic matters relating to the PG programme will be managed by the Principal of the respective institutions.

5.1 Academic Committee:

The Academic Committee for PG Courses of the concerned institution will comprise of (i) Principal (ii) Heads of all Departments offering P.G. Courses and (iii) P.G. Coordinator in the various departments.

5.2 Course Co-coordinator:

Each Department will have a Professor as Course Coordinator for each PG programme. The responsibilities of the Course Coordinator are:

- 1. To supervise and coordinate the activities of the course.
- 2. To guide and advice the students in all academic matters.
- 3. To keep a record of the academic activities of students registered for the programme.

5.3 P.G. Coordinator

In the departments where more than one M Planning/ M Arch programmes are offered, one Professor will act as the P.G. Coordinator for coordinating the academic activities in the department for the PG courses.

5.4 Department Committee

Each department of every institution offering PG Course will have a department committee to look after the P.G.courses. This committee will consist of (i) Head of the Department (ii) The Course Co-ordinator of each stream and (iii) The PG Coordinator (iv) One faculty member nominated by the Head of the Department. The Department committee will finalise the semester results for each stream.

5.5 Evaluation Committee

Each department has to constitute an evaluation committee to evaluate Practical Training, Dissertation and Thesis. Practical Training will be evaluated by two member committee from internal faculty. The Dissertation shall be evaluated by a committee consisting of an internal faculty and an external. The thesis will have three stage evaluations by a committee consisting of the guide, an internal faculty and an external. The external appointed to evaluate the Dissertation and the Thesis shall be an expert in the area of specialisation.

5.6 Class Committee

Class committees will be constituted by the Heads of the Department as follows:

- i. Teachers offering courses for the particular course.
- ii. One Professor preferably not offering courses for the class as Chairman

- iii. One student member
- iv. Course Coordinator Ex-Officio Member
- 5.6.1 The basic responsibilities of the class/ course committee are:
 - i. To review periodically the progress of the classes to discuss problems concerning curricula and syllabi and the conduct of the classes.
 - ii. The type of assessment for the course will be decided by the teacher in consultation with the class committee and will be announced to the students at the beginning of the semester.

6.0 Facility for Students to do Thesis work outside the parent institute:

As far as possible the students shall be encouraged to do their thesis work in the parent institute itself. However, if found essential, they may be permitted for continuing their thesis in the IVth semester outside the parent institute with the approval of the Department Committee, and Principal. For students who are availing this facility, the following conditions are to be observed.

The student has to get prior approval from the Department Committee and Principal in the third semester itself, for availing this facility as well as choice of the Institution/Industry/ R&D organization with which the student is associated for continuing his/her thesis work. They have to get this approval in the third semester itself.

- 1. If they are doing their thesis work in an Educational Institute then the Institute is to be preferably an institution of national repute like IITs, IISc, NITs CEPT, SPA etc.
- 2. Students availing this facility should continue as regular students of the parent institute itself.
- 3. They should have an external as well as an internal guide. The internal guide should belong to the parent institution and the external guide should be from the Institution/Industry/ R&D organization with which the student is associated for doing the thesis work.
- 4. The student also has to furnish a certificate from the external guide stating the willingness to supervise the thesis work through the Institution/Industry/ R&D

- organization with which the student is associated for his/her thesis work and has to submit the same to the Department Committee.
- 5. The student has to furnish his /her monthly progress as well as attendance report signed by the external guide and submit the same to the concerned Internal guide.
- 6. The external guide and the internal guide are to be preferably present during all the stages of evaluation of the thesis work. In case the external guide is not present, the internal guide can alone take the responsibility of conducting the evaluation.

7.0 Registration and Enrolment

- 7.1 For the first semester every student has to enroll and register for the courses he / she intends to undergo on a specified date notified to the students. The concerned Course Coordinator will guide the students in the registration process.
- 7.2 For the subsequent semesters, registration for the courses will be done by the Course Coordinator during a specified week before the end semester examination of the previous semester. The registration form will give details of the core and elective courses, project and seminar to be taken in a semester with the number of credits. The student should consult his / her Course Coordinator for the choice of courses. The registration form is then filled and signed by the student and the Course Coordinator.
- 7.3 From the second semester onwards, all students have to enroll on a specified day at the beginning of a semester. A student will become eligible for enrollment only if he/she satisfies requirements specified in Section 8.0 and in addition he/she has cleared all dues to the Institute, Hostel and the Library up to the end of the previous semester and also he/she is not debarred from enrollment by the Principal.
- 7.4 In extraordinary circumstances like medical grounds, a student may be permitted to withdraw from a semester completely. Normally a student will be permitted to withdraw from the programme only for a maximum continuous period of two semesters.

7.5 **Maximum Duration of the Programme**.

A student is ordinarily expected to complete the M. Planning/ M Arch. Degree programme in four semesters.

In case of students who do not complete their thesis work by the end of fourth semester, they will be permitted to submit the report in the fifth semester. The student has to keep the registration live till the time of submission of thesis by paying the registration fees. Under no circumstances students would be permitted to spend more than 6 semesters to complete the course work and 5 years for the total programme including the thesis work from the date of admission to the programme.

7.6 **Discontinuation from the Programme**

Students may be permitted to discontinue the programme and take up a job provided they have completed all the course work. Students desirous of discontinuing their programme at any stage with the intention of completing the thesis at a later date should seek and obtain the permission of the Principal before doing so. When students are taking up the thesis work at a later period they have to satisfy the following requirements.

- i. The student has to get prior approval from the Principal for rejoining their parent institution for doing their thesis work.
- ii. The students should take full time leave from the organization where they work, for one semester. The permission of the employer to continue studies with full time leave for one semester should be submitted to the University while applying for readmission for completing the thesis.
- iii. Upon readmission, the student has to get enrolled in the concerned department of the parent institute by remitting the required fee.

8.0 Attendance

8.1 The percentage of attendance for each subject will be calculated up to the last day of instruction and this will be indicated in the grade card by a code number/letter as follows:

Attendance Rounded to Code

95% and above H

85 to 94% 9

75 to 84% 8

Below 75% W

- 8.2 Those students with the percentage of attendance for the entire semester for all courses put together is less than 75%, will not be permitted to sit for the end semester examination in that semester. In such cases, the registration for that semester will be treated as cancelled and he/she should register for and repeat the entire semester. The particulars of all students who have attendance less than 75% in the semester will be announced by the Head of the Departments concerned, within 7 days of closure of the semester.
- 8.3 A candidate is eligible for condonation of shortage of attendance only once in the entire programme subject to the conditions given below.
 - i. The conduct and progress must be good as certified by the Principal.
 - ii. Condonation will be granted only on medical grounds if he/she has secured not less the 60% of attendance.
 - iii. By the recommendation of the head of the institution, the condonation shall be granted subject to rules and procedures prescribed by the University from time to time.
- 8.4 If a student is continuously absent for more than 15 working days without any authorization by the Course Coordinator, his/her registration would automatically get cancelled.

9.0 Leave Rules

- 9.1 All M. Planning/M Arch. students should apply to the Head of the Department for leave stating the reasons whenever they are not in a position to attend course/thesis work.
- 9.2 Students are eligible for leave of 20 days in a year which will be limited to 15 days per semester. The intervening holidays will be treated as part of leave with provision of Suffix and prefix the holidays.

10.0 Evaluation Process:

In the first, second, third and fourth semesters, all the subjects to be credited are evaluated through continuous internal assessment and end semester examinations. For all the lecture based courses in the first semester and all lecture based courses in the second semester, except the Research Methodology course, the end of semester examination will be conducted by the University. For all the theory courses in third and fourth semester and for the Research Methodology course in the second semester and for the Practical Training/ Dissertation/ Planning/ Design Studio I, II & III the end of the semester examinations will be conducted by the respective Colleges.

The practical Training, which is to be completed before the start of the third semester, will be evaluated by two member committee of internal faculty members. The dissertation will have end semester evaluation by a committee consisting of an internal faculty and an external expert in the area of specialization. The Planning/ Design Studios I, II and III will have end semester evaluation by a jury. The evaluation jury for this will consist of an internal faculty member and an external expert in the respective field of specialisation. The progress of the thesis work will be evaluated by a committee consisting of an internal faculty and an external expert in the field of specialization. The final viva- voce examination for the Thesis in the fourth semester will be conducted by the University. The chairman / chairperson for University Examinations will be appointed by the University and selected from among the senior faculty members having specialization in concerned engineering discipline from Government / Aided engineering colleges.

10.1 Assessment Procedure: Tests and Examinations

For theory subjects, internal continuous assessments will be made during the semester. The assessment details as decided at the class committee will be announced to the student right at the beginning of the semester by the teacher. There will be a minimum of two tests per subject.

- 10.2 The Dissertation and the Practical Training will be evaluated by the Evaluation Committee. For the Dissertation, the students are required to submit a report of the literature survey /work done/ progress and present the contents of the report before the committee which will be evaluated by the committee. For the practical training the students are required to submit a report of all the work performed by them during the training period. Planning / Design Studios I, II & III will be evaluated by the staff members concerned.
- 10.3 The internal evaluations of the Thesis in the fourth Semester would be done in stages by the Evaluation committee. The quantum and quality of design work completed by the student in each stage will be evaluated on the basis of requirements that are pre-set for each stage. Final evaluation of Thesis would be conducted by the guide and an Examiner from outside the College, appointed by the University of Kerala.

10.4 End Semester Examination for theory subjects

- 10.4.1The question paper will be of modular structure (three modules, in total) where the student has to answer two questions out of the three questions, from each module. Question papers in theory subjects, where end of semester examination is common University examinations, shall be set by the Examiners appointed for that purpose by the University.
- 10.4.2There shall be double valuation of theory papers for which end of semester examinations are conducted by the University. The theory answer papers shall be valued independently by the two examiners appointed by the University. If the difference between the marks awarded by the two Examiners is not more than 15per cent of the maximum marks, the marks awarded to the candidate shall be the average of two evaluations. If the difference between the marks awarded by the two Examiners

is more than 15 per cent of the maximum marks, the Script shall be evaluated by a

third Examiner. The average of the marks of nearest two valuations shall be

considered as the marks secured by the candidate. However, if one of the three marks

falls exactly midway between the other two, then the highest two marks shall be taken

for averaging.

10.4.3. The question paper for the end of semester examination conducted by University will

be scrutinized by a committee appointed by the University and the question paper for

subjects having examination conducted by the respective colleges, will be scrutinized

by a committee appointed by the concerned Department.

10.5 Scheme of Evaluation

The following will be the scheme of evaluation for the different courses.

a. Theory subjects

Continuous assessment: 40 %(25% for Tests + 15% for Assignments)

End semester examination: 60%

b. Planning/Design Studios I, II & III

Continuous assessment: Out of 200 Marks, 15% for Seminar +85% for studio work.

End Semester Jury: 100 Marks.

c. Dissertation

Internal assessment of work by the guide: 50%

Internal Evaluation by Committee: 50%

d. Industrial Training

Internal Evaluation by Committee: 100%

e. Thesis (Semester IV)

Internal assessment of work by the guide: 25%

Internal Evaluation by Committee: 25%

Final Evaluation by Internal and External Examiner: 50% (5% marks is ear marked

for publication in Journal /Conference).

15

10.6 Methods of Awarding Grades

10.6.1 A student is awarded a letter grade in each course he/she has registered for, indicating his /her overall performance in that course. There are seven letter grades S, A, B, C, D, F, and I The correspondence between grades and points (on a 10-pointscale) rating is given below.

Range of Percentage of	Letter Grade	Points
marks		
90 – 100	S	10
80 – 89	A	9
70 – 79	В	8
60 – 69	С	7
50 -59	D	6
Below 50	F	0
Incomplete	I	

10.7 Criteria for Pass in a course and acquiring credit

10.7.1For the lecture based courses having end of semester examinations, a student is deemed to have completed a course successfully and earned the credit if he / she secures a letter grade D or higher and has secured a minimum of 50% marks in the End of Examination. A course successfully completed cannot be repeated. A letter grade F in any subject implies failure in that subject.

For Dissertation and Practical Training (where the evaluation is completely internal assessment), the student has to acquire a letter grade D or higher. If he/she fails to obtain this minimum grade, he/she has to repeat the Dissertation and Practical Training with respect to that course in the subsequent semesters for the successful completion.

10.7.2 A student securing F or I grade in any core course has to reappear for the examination for the same course in the subsequent chances. If it is an elective course the student has the option to reappear for the examination in the same course or to change the elective course in which case he/she has to repeat the course work with respect to the new elective course. A student will be given only three consecutive chances for reappear and retrieve the credits in this manner.

10.8 Grade Card

- 10.8.1The grade card will be issued at the end of the semester to each student by the University of Kerala. It will contain the following details:
 - i. The credits for each course registered for that semester
 - ii. Performance in each subject by the letter grade obtained vide 10.6.1
 - iii. The attendance put in each course in the form of the code vide 8.1
 - iv. The total number of credits earned by the student up to the end of that semester.
 - v. Grade Point Average (GPA) of all the courses taken during a semester if he successfully completed all the courses in that semester.
 - vi. The Cumulative Grade Point average (CGPA) of all the courses taken from the first semester is shown in the final semester grade card.
- 10.8.2 The Grade Point Average (GPA) will be calculated by the formula.

$$GPA = \frac{\sum (C \times GP)}{\sum C}$$

Where C = Credit for the course, GP = the grade point obtained for the course and the sum is over all the courses taken in that semester.

For the Cumulative Grade Point average (CGPA) a similar formula is used except that the sum is over all the courses taken in all the semesters completed up to the point in time.

$$CGPA = \frac{\sum_{i=1}^{m} C_{i}G_{i}}{\sum_{i=1}^{m} C_{i}}$$

Where, m is the number of courses registered up to that semester, *Ci* is the number of credits allotted to ith subject as per the scheme, and *Gi* is the grade points corresponding to the grade awarded to the student for the subject.

10.9 Classification Degree

The student will be eligible for the award of the degree on completion of the mandatory student will be placed in First Class with Distinction if he/she scores CGPA > 8.5. He/she will be placed in First Class if CGPA is > 7 but less than 8.5.

11.0 Provision to include a new elective

Normally the revision of the scheme and syllabus is to take place in every 5 years. But to keep the syllabus in tune with the new and emerging technology trend, a new elective course can be introduced after obtaining the approval of the University. The syllabus of the proposed course has to be approved before the commencement of the semester in which the course is proposed.

12.0 Revision of Regulations

Notwithstanding all that has been stated above the University has the right to modify any of the regulations, scheme of studies, examinations and syllabi from time to time.

Annexure A

M Planning/M Arch Programme under University of Kerala

Academic Eligibility for Admission

Branch	Serial No.	Specialisation	Eligibility for	Remarks
			Admission	
	1	M Planning	Degree in	
			Architecture/	
Architecture			Civil	
			Engineering/	
			Planning	
	2	M Arch	Degree in	
			Architecture	

Frame Work for the Revised Scheme for the M Planning/ M Arch. Programme of Kerala University

Scheme

SEMESTER I

		Credits	Hrs			Marks		Remarks
Code No.	Name of Subject		/ wee k	End Sem Exam hours	Internal Continuo us Assessme nt	End Semester Exam	Total	
	Core1	3	3	3	40	60	100	Of the 40 marks of internal assessment, 25 marks for test and 15 marks for assignment. End semester exam is conducted by the University
	Core2	3	3	3	40	60	100	-do-
	Core3	3	3	3	40	60	100	-do-
	Core4	3	3	3	40	60	100	-do-
	Planning/ Design Studio – I	7	14		200	100	300	Of the 200 marks of internal assessment, 30 marks for seminar and 170 marks for studio work. End semester Jury exam.
	TOTAL	19	26		360	340	700	

SEMESTER II

		Credits	Hrs	End		Marks		Remarks
Code No.	Name of Subject		/ wee k	Sem Exam hours	Internal Continu ous Assess ment	End Semester Exam	Total	
	Core 5	3	3	3	40	60	100	Of the 40 marks of internal assessment, 25 marks for test and 15 marks for assignment. End semester exam is conducted by the University
	Stream Elective - 1	3	3	3	40	60	100	-do-
	Departmental Elective	3	3	3	40	60	100	-do-
	Research Methodology	2	2	3	40	60	100	Of the 40 marks of internal assessment, 25 marks for test and 15 marks for assignment .End semester exam by Institution
	Planning/Design Studio – II	8	16	-	200	100	300	Of the 200 marks of internal assessment, 30 marks for seminar and 170 marks for studio work. End semester Jury exam.
	TOTAL	19	27		360	340	700	

SEMESTER III

	SEMESTER III	Credit	edit Hrs / End			Marks		Remarks
Co	Name of Subject	S	week	Sem		Continuo End		Kemarks
de	Name of Subject	3	WCCK	Exam	us	Semester	Total	
No.				hours	Assessme	Exam	Total	
110.				nours	nt	Laum		
	Core 6	3	3	3	40	60	100	Of the 40 marks of internal assessment, 25 marks for test and 15 marks for assignment .End semester exam by Institution
	Stream Elective - 2	3	3	3	40	60	100	-do-
	Non- Dept. (Interdisciplinary) Elective	3	3	3	40	60	100	-do-
	Planning/Design Studio – III	8	16	-	200	100	300	Of the 200 marks of internal assessment, 30 marks for seminar and 170 marks for studio work. End semester Jury exam.
	Dissertation	3	3		50		50	No End-of- semester Exam
	Practical Training	2	-	-	50	-	50	-do-
	TOTAL	22	28		420	280	700	

SEMESTER IV

						Remarks			
Code	Subject	G 124	Hrs/w	Continuous Assessment		University Exam		Total	
No.	Name	Credits	eek	Guide	Evaluation Committee	Thesis Evaluatio n	Viva Voce		
	Core 7	3	3		40		60	100	Of the 40 marks of internal assessment, 25 marks for test and 15 marks for assignment .End semester exam by Institution
	Thesis	12	24	75	75	50	50	250	Viva voce by University
	Total	15	27	75	115	50	110	350	

Note: 4 to 6 hours per week is for department assistance

23