

**RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA,
BHOPAL**

**CURRICULUM
FOR
DIPLOMA IN ARCHITECTURAL ASSISTANTSHIP**

(THIRD SEMESTER)

Scheme: Jul.08

Implemented from session: 2008-09

Under semester system



JULY 2008

**CURRICULUM DEVELOPMENT CENTRE,
DEPARTMENT OF TOWN PLANNING AND ARCHITECTURE
(SARDAR VALLABHBHAI POLYTECHNIC COLLEGE, BHOPAL)**



RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

DIPLOMA IN ARCHITECTURAL ASSISTANCESHIP

SEMESTER: THIRD

COURSE CODE: 301

NAME OF COURSE: ARCHITECTURAL DESIGN-I

SCHEME: Jul.08

COMMON WITH PROGRAM (S):

PAPER CODE:

Lectures: **1** Hrs. per week

Practical: **8** Hrs. per week

RATIONAL

To execute the architectural projects the legal formalities are must with which the student should be well acquainted which will give him confidence to handle small projects by himself or work as assistant. The temporary structures are erected in urban areas very frequently hence knowledge in such design is necessary

Objectives

1. The student will be able to take measurement and produce measured drawing of building Plans.
2. Know process of legal approval before construction and prepare a drawing for approval from local authorities for a given project.
4. Know anthropological data and its importance in architectural design.
5. Develop concept for very small shatters using planning process,
6. Study and develop design for temporary structure.



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SCHEME: **Jul.08**

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Practical: **8** Hrs. per week

SCHEME OF STUDIES

S.NO.	TOPICS	TH.	PR.	TOTAL
1	Measured drawing	2	30	32
2	Approval of project	5	20	25
3	Space Requirement	2	10	12
4	Architectural Design	3	30	33
5	Temporary Structures	3	30	33
		15	120	135



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SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
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Lectures: **1** Hrs. per week
Practical: **8** Hrs. per week

COURSE CONTENTS

S. No.	COURSE CONTENTS	Hours of Study
1	Measured drawing Take measurement and reproduce drawings for a given building or part of a building. Presentation drawing also for plans only of the measured building.	2
2	Approval of project Introduction to building by laws and regulation, National building code and Bhumi vikas adhiniyam. Know process of getting approval, various documents required for the purpose; prepare drawing in required format to get approval from local authority for a residential project or a small. Office or commercial building.	5
3	Space Requirement Anthrometric data, dimensions and space requirement for basic human activities, dimensions of vehicles and space requirement.	2
4	Architectural Design Design of small shatters like telephone booths, bus shop, ATM outlets or structures of similar scale.	3
5	Temporary Structures Design of temporary structures like entrance gate,pendals, counters for exhibition, stage for performance; on the basis of studies of such structures. Emphasis should on constructional details.	3



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Practical: **8** Hrs. per week

LIST OF EXPERIMENTS / STUDIO WORK

S.No.	NAME OF THE EXPERIMENT	HOURS
1.	Measured drawing Measured drawing for a small shelter or part of building at least two problems (plans only).	
2.	Approval of project Collect information from authorities about various documents required for approval of project prior to construction; prepare a corporation drawing for a small building unit including application of all bylaws and calculations required.	
3.	Space Requirement Literature survey for basic human space requirement and spaces required for various habitable and service areas.	
4.	Architectural Design Design for small shelter. Case studies of such shelters can be combined with measured drawings.	
5.	Temporary Structures Concept and presentation drawing for a small temporary structure on basis of case study. One or two constructional details should be given.	
	TOTAL	120

Note: - Use of AutoCAD should be emphasised and students should be encouraged to take up case studies, literature surveys and apply their creativity and aesthetic sensitivity.



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COMMON WITH PROGRAM (S)
PAPER CODE:

Lectures: **1** Hrs. per week
Practical: **8** Hrs. per week

REFERENCES

1. Neufert Architectures' data (international edition) – Vincent Jones – Black well Science Ltd.
2. Graphics Standard (Building types)
3. Architecture Data sheets.-E .and O.E.
4. Time Saves Standard for housing and residential development – Joseph de chiara – McGraw Hills
5. Building drawing with integrated approach to built environment 4th edition – M.G.shah, C.M.kale, S.Y. Patel – Tata McGraw Hills New Delhi.
6. Town Planning and Architecture –Satish Chandra Agrawal – Dhanpat Rai and Sons New Delhi.
7. National Building Code –I.S.I..Publication .
8. Bhumi Vikas Adhinyam – Deptt. Of Town Planning
9. Development Plans for various cities like Bhopal, Sanchi, Ujjain, Indore etc.



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DIPLOMA IN ARCHITECTURAL ASSISTANCESHIP

SEMESTER: **THIRD**
COURSE CODE: **302**
NAME OF COURSE: **BUILDING CONSTRUCTION-II**

SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
PAPER CODE:

Lectures: **2 Hrs.** per week
Practical: **4 Hrs.** per week

RATIONAL

Building construction should deal with all aspects of construction .At this level higher level of stages in construction than dealt in building construction- I; in flooring, opening, and other aspects of construction are included which will be of still higher level in next stage.

Objectives-

1. Student will be able to know and draw wooden floors.
2. Student will understand staircase design and draw staircase.
3. Student will understand roofing systems with roof trusses in steel.
4. Understand various important elements of R.C.C. construction.
5. Understand systems for form work for R.C.C. work.



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NAME OF COURSE: **BUILDING CONSTRUCTION-II**

SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
PAPER CODE:

Lectures: **2** Hrs. per week
Practical: **4** Hrs. per week

SCHEME OF STUDIES

S.NO.	TOPIC	TH.	STUDIO/LAB	TOTAL
1	FLOOR	4	8	12
2	OPENINGS	4	12	16
3	STAIRS	5	13	18
4	ROOFS	5	12	17
5	FOUNDATION	5	10	15
6	FORM WORK	7	5	12
		30	60	90



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SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
PAPER CODE:

Lectures: **2 Hrs.** per week

Practical: **4 Hrs.** per week

S. No.	COURSE CONTENTS	Hours of Study
1	FLOOR - Wooden floor single suitable for mezzanine floor including important details. Floor finishes in wood boards, plywood, parquet, cork, rubber, vinyl sheet and tiles, ceramic tiles.	4
2	OPENINGS - Sliding doors, swing doors and revolving door in wood.	4
3	STAIRS - Types of staircases; calculation of tread and rise. Detail of wooden staircase and composite wood and steel, suitable to reach mezzanine floor. R.C.C. Steel staircase, spiral staircase to reach up to first floor.	5
4	ROOF - Lean to roof in steel, roof trusses in steel section suitable for various spans in angle and tubes. North light truss. Patent glazing.	5
5	FOUNDATIONS - R.C.C. column foundation, R.C.C.pile foundation, R.C.C.raft foundation.	5
6	FORM WORK - Study of erection of form work, scaffolding, and provision of cover in R.C.C. work from site visits and literature survey and internet. Safety factors required in erection and removal of form work. Duration of form work required.	7



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SEMESTER: **THIRD**

SCHEME: **Jul.08**

COURSE CODE: **302**

COMMON WITH PROGRAM (S):

NAME OF COURSE: **BUILDING CONSTRUCTION-II** PAPER CODE:

Lectures: **2** Hrs. per week

Practical: **4** Hrs. per week

LIST OF EXPERIMENTS / STUDIO WORKS

S.No.	NAME OF THE EXPERIMENT	HOURS
1.	FLOOR Proportionate drawing of single floor and details various floor finish.	
2.	OPENINGS Proportionate drawing of different types of doors.	
3.	STAIRS Sketches showing different types of staircases. Work out number of steps for a given height and design wooden or composite wood and steel, steel, spiral and R.C.C. staircase for given height with important details whenever applicable.	
4.	ROOFS Proportionate drawing of roofing system in tubular or angular steel trusses with light weight roofing material .All important detail should be shown.	
5.	FOUNDATION Understand principle and prepare proportionate drawing for various types of foundation.	
6.	FORM WORK Report on various studies taken up.	
	TOTAL	60

Note: - Each unit should have site visit. All sites report should be in the form of photographs showing process observed, precautions in execution and safety. Use of AutoCAD should be permitted.



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SCHEME: **Jul.08**
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PAPER CODE:

Lectures: **2** Hrs. per week
Practical: **4** Hrs. per week

REFERENCES

1. Building Construction Vol.I,II,III,IV-Mackay- Orient Logman Private Ltd.Hydrabad.
2. The Text Book Building Construction- S.P.Arora,S.P.Bindra-Dhanpat Rai Publication.
3. Building Construction- Rangawala - Charotar Publication House Anand.
4. Building Construction– Dr.B.C.Punjnia-Laxmi Publication and Pvt. Ltd
5. Building Construction- S.N.Awasthy –J.K.Publishing House .Bhopal.
6. Building Construction Drafting and Design – John Molnar P.E.-CBS Publishers Distributors.
7. Building Construction- Dr.Janardamjha.Prof.S.K.sinha- Khanna Publishers.
8. Civil Engineers Hand Book – P.N. Khanna- Engineers Publishers Delhi.



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DIPLOMA IN ARCHITECTURAL ASSISTANCESHIP

SEMESTER: THIRD
COURSE CODE: 303
NAME OF COURSE: COMPUTER AIDED DESIGN-II

SCHEME: Jul.08
COMMON WITH PROGRAM (S):
PAPER CODE:

Lectures: **3** Hrs. per week
Practical: **6** Hrs. per week

RATIONAL

After introduction to AutoCAD the know ledge of presentation techniques like Photoshop and coral draw will enhance the presentation techniques which the student has learnt to do manually. As the market advances the new versions can be introduced.

Objectives-

1. The student will be able to use Photoshop software to get acquainted with presentation techniques.
2. Student will be able to use coral draw as a presentation techniques.



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NAME OF COURSE: **COMPUTER AIDED DESIGN-II**

SCHEME: **Jul.08**

COMMON WITH PROGRAM (S):

PAPER CODE:

Lectures: **3** Hrs. per week

Practical: **6** Hrs. per week

SCHEME OF STUDIES

S.NO.	TOPIC	TH.	PR.	TOTAL
1	PHOTOSHOP BASICS	15	30	45
2	PHOTOSHOP ADVANCE	15	30	45
3	CORAL DRAW	15	30	45
		45	90	135



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Lectures: **3** Hrs. per week
Practical: **6** Hrs. per week

COURSE CONTENTS

S. No.	COURSE CONTENTS	Hours of Study
1	PHOTOSHOP BASICS. Introduction to Photoshop, image editing, layers, painting, drawing, filters, compatibility, taking printout and using scales.	15
2	PHOTOSHOP ADVANCE Mixing images, all draw tools, conversion of files, web graphics, 3D editing, interoperability, settings RGB/CMYK.	15
3	CORAL DRAW Introduction, import file, creating and editing text, using library, using presentation techniques in building drawings.	15



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Lectures: **3** Hrs. per week
Practical: **6** Hrs. per week

LIST OF EXPERIMENTS / STUDIO WORKS

S.No.	NAME OF THE EXPERIMENT	HOURS
1.	PHOTOSHOP BASICS At least one problem	
2.	PHOTOSHOP ADVANCE At least one problem	
3.	CORAL DRAW At least one problem	
	TOTAL	90



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SCHEME: Jul.08

COMMON WITH PROGRAM (S):

PAPER CODE:

Lectures: **3** Hrs. per week

Practical: **6** Hrs. per week

REFERENCES

1. Manuals of the softwares taught.



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DIPLOMA IN ARCHITECTURAL ASSISTANCESHIP

SEMESTER: **THIRD**
COURSE CODE: **304**
NAME OF COURSE: **BASICS OF STRUCTURES**

SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
PAPER CODE:

Lectures: **4** Hrs. per week
Practical: **2** Hrs. per week

RATIONAL

Erection of architectural projects is not possible without knowledge of structure. To make the pass out more suitable for office and site work the basics of structures will be helpful.

Objectives – The students will be able to

1. Appreciate the position of reinforcements in R.C.C. structure.
2. Know principle of load bearing, R.C.C. and steel structure.
3. Check structure on basis of drawings.
4. prepare structural drawing from given data.
5. Know roofing systems for large spans.
6. Understand principles of earthquake resistant structural design.



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DIPLOMA IN ARCHITECTURAL ASSISTANCESHIP

SEMESTER: **THIRD**
COURSE CODE: **304**
NAME OF COURSE: **BASICS OF STRUCTURES**

SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
PAPER CODE:

Lectures: **4** Hrs. per week
Practical: **2** Hrs. per week

SCHEME OF STUDIES

S.NO.	TOPIC	TH.	PR.	TOAL
1	INTRODUCTION	4	-	4
2	R.C.C. STRUCTURES	24	-	24
3	LIVE LOAD ,DEAD LOAD,WIND LOAD	3	-	3
4	STEEL STRUCTURES	14	-	14
5	ROOFS	8	-	8
6	STRUCTURAL DRAWINGS	2	20	22
7	EARTHQUAKE RESISTANT STRUCTURE	3	10	13
8	COVER	2	-	2
		60	30	90



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SEMESTER: **THIRD**
COURSE CODE: **304**

NAME OF COURSE: **BASICS OF STRUCTURES**

SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
PAPER CODE:

Lectures: **4 Hrs.** per week

Practical: **2 Hrs.** per week

COURSE CONTENTS

S. No.	COURSE CONTENTS	Hours of Study
1	Introduction - Force , unit of force , types of forces. Principle of bending moment and shear force, application of these in structure, placement reinforcement according to these in members.	4
2	R.C.C. Structure - Definition, elements of structure. Principle of frame structure and load bearing structure .Types of beams, supports, types of steel and grade of concrete .standard practices followed for spanning beams and slabs. Concept of one way, two way slab, cantilever beams and slabs. Standard practices of providing reinforcement in foundation, columns, beams and slab for small residential building .Concept of under reinforced and over reinforcement. I.S. specification for providing reinforcement.	24
3	Live load, dead Load, and wind Load - Consideration of live load, dead load and wind load in residential, public and industrial buildings.	3
4	Steel Structures - Places where this type of structures are required. Joints of various elements .type of steel sections available as per I.S. code .Riveted and welded joints with advantages and disadvantages. Tension and compression member, built up sections .Emphasis should be given on drawings and study of drawings.	14
5	Roofs - Types of roofs for large spans like orthogrid, shell, domes, folded slab etc. Study only through drawing, photographs and live situation.	8

6	Structural Drawing - Study of structural drawings for small architectural project. Making structural drawings in R.C.C and steel for a given data. (Beam, T beam, L beam, column, footings, slabs, staircase, chajjas)	2
7	Earthquake Resistant Structure - Different zones of country prone to earthquake Principles of earthquake resistant structure. Typical drawings for a small building to design for earthquake resistance.	3
8	Cover - Importance and how much to be given. How to secure it, type of form work ,quality of form work to get good R.C.C. work.	2



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COURSE CODE: **304**
NAME OF COURSE: **BASICS OF STRUCTURES**

SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
PAPER CODE:

Lectures: **4 Hrs.** per week
Practical: **2 Hrs.** per week

LIST OF EXPERIMENTS / STUDIO WORK

S.No.	NAME OF THE EXPERIMENT	HOURS
1.	Introduction. Exercises on application of bending moment and shear force.	
2.	R.C.C. Structures. Sketches showing position of reinforcement for various R.C.C. members .drawings as per data provided.	
3.	Live load ,dead Load, and wind Load Exercise of live and dead loads wind load consideration in different types of Buildings.	
4.	Steel Structures Sketches for composite steel structure (column bears, foundation etc.).Selection of proper section from code.	
5.	Roofs Study of different systems from information collected from live situation. /magazine /internet	
6.	Structural Drawing Study of design proposal / completed project. Draw structural drawings.	
7.	Earthquake Resistant Structure Small project for earthquake resistant structure	
8.	Cover Study from literate and site.	
	TOTAL	30

Note: - each unit's lab work should be supplemented with site visit.



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PAPER CODE:

Lectures: **4** Hrs. per week
Practical: **2** Hrs. per week

REFERENCES

1. R.C. theory and Design -M.G. Shah & C.M. Kale- S.G. Wasani for Mac million
2. India Madras Jaipur Bhopal.
3. Design of R.C.C. Structures -Rammurthan. – Dhanpat Rai and Sons Delhi
4. Building Drawing IV Edition - M.G. Shah & C.M. Kale- Wasani for mach million
5. IndiaMmadras Jaipur Bhopal.
6. Design of steel structure –M.M.Malhotra –
7. I.S. code 456
8. I.S. code for steel.



RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

DIPLOMA IN ARCHITECTURAL ASSISTANCESHIP

SEMESTER: **THIRD**
COURSE CODE: **305**
NAME OF COURSE: **BUILDING SERVICES-I**

SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
PAPER CODE: 5143

Lectures: **4 Hrs.** per week

RATIONAL

Human life and its comforts is basically dependant on the services at home and at places of work. In modern times with the advent of new technologies gadget several buildings are coming up rapidly. The students have reasonable knowledge regarding conventional building services as well as modern ones.



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DIPLOMA IN ARCHITECTURAL ASSISTANCESHIP

SEMESTER: **THIRD**
COURSE CODE: **305**
NAME OF COURSE: **BUILDING SERVICES-I**

SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
PAPER CODE: 5143

Lectures: 4 Hrs. per week

SCHEME OF STUDIES

S.NO.	TOPIC	TH.	PR.	TOAL
1	Introduction	2	-	2
2	Water Supply	15	-	15
3	Basic Principles of sanitation	15	-	15
4	Study of various types of sanitary pipes	10	-	10
5	Fire Safety	8	-	8
6	VI Studies	10	-	10
		60	-	60



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DIPLOMA IN ARCHITECTURAL ASSISTANCESHIP

SEMESTER: **THIRD**
COURSE CODE: **305**
NAME OF COURSE: **BUILDING SERVICES-I**

SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
PAPER CODE: 5143

Lectures: 4 Hrs. per week

COURSE CONTENTS

S. No.	COURSE CONTENTS	Hours of Study
1	Introduction Introduction to various services & their importance	2
2	Water Supply 2.1 Study of sources of water per capital water consumption Quality of potable water. 2.2 Water supply to building from public supply line internal water supply network for a residence 2.3 Drawing assignment for above	15
3	Basic Principles of sanitation 3.1 Introduction to plumbing systems. 3.2 General introduction to various sanitary fitting & fixtures their placement and functions 3.3 Study of internal & external drainage system	15
4	Study of various types of sanitary pipes 4.1 Construction of joints. Principles of lying pipe lines. 4.2 Study of traps, inspection chamber, manhole, septic tanks etc. 4.3 Water Harvesting in residences	10
5	Fire Safety 5.1 Principles of fire safety. 5.2 Fire Safety systems. 5.3 Site visit to study fire safety systems.	8
6	Studies 6.1 Case study of (at least Ground plus two storied high) residential buildings to understand the application of	10

	Sanitary and water supply systems. 6.2 Market survey of various products related to above services.	
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Note: Sessional assignment will be in the form of drawings and small notes and collection of products related catalogues



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NAME OF COURSE: **BUILDING SERVICES-I**

SCHEME: **Jul.08**
COMMON WITH PROGRAM (S):
PAPER CODE: 5143

Lectures: **4 Hrs.** per week

REFERENCES

1. Water Supply and Sanitary Engineering –Rangawala-Charotor Publishers
2. National Building Code- Ist –B.I.S.Publishers.
3. Water Supply and Sanitary Engineering-Q.S.Birdie,J.S. Birdie-Dhanpat Rai Publishers.
4. Water Supply Engineering-V.N.Gharpure- Engineering Publishing Co.Pune.
5. Code of Basic Requirement for Water Supply 151172- 151- B.I.S.Publishers .
6. Building Design and Drawing – Pramila Adavi- Nirali Prakashan.
7. Building Science and Planning – S.V.Deodher- T.H.S.Publication.
8. Elements of Public Health Engineering-K.N.Duggal-S.Chand Publication.
9. Water Supply Sewage Disposal and Environment Pollution- A.K. Chatterjee – Khanna
1. publishers.
- 10.Lok Swasth Yantriki –A.K.Suxsena- Deepak Prakashan.
- 11.Basic Civil Engineering- G.K. Hiraskar – Dhanpat Rai Publishers.



RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

DIPLOMA IN ARCHITECTURAL ASSISTANCESHIP

SEMESTER: **THIRD**

COURSE CODE: **306**

NAME OF COURSE: **PROFESSIONAL ACTIVITIES**

SCHEME: **Jul.08**

COMMON WITH PROGRAM (S):

PAPER CODE: 5143

Practical: **2 Hrs.** per week

RATIONALE

Professional Activities is not a descriptive course, as per conventional norms; therefore specific content for this course cannot be prescribed. It is a group of open-ended activities; where in variety of tasks are to be performed, to achieve objectives. However general guidelines for achieving the target and procedure for its assessment are given under the course content.

As the student has to practice this course in all the six semesters, the guidelines given therein are common and applicable to each semester.

OBJECTIVES:

- Ø To allow for professional development of students as per the demand of engineering profession.
- Ø To provide time for organization of student chapter activities of professional bodies) i.e. Institute of engineers, ISTE or Computer Society of India etc.)
- Ø TO allow for development of abilities in students for leadership and public speaking through organization of student's seminar etc.
- Ø To provide time for organization of guest lectures by expert engineers/eminent professionals of industry.
- Ø To provide time for organization of technical quiz or group discussion or any other group activity.
- Ø To provide time for visiting library or using Internet.
- Ø To provide time for group discussion or solving case studies.
- Ø To provide time for personality development of students.
- Ø To provide time for working for social cause like awareness for environmental and ecology etc.

DETAILED INSTRUCTIONS TO CONDUCT PROFESSIONAL ACTIVITIES:

- A. Study hours, if possible should be given greater time slot with a minimum of two hrs/week to a maximum of four hrs/week.
- B. This course should be evaluated on the basis of grades and mark sheet of students, should have a separate mention of the grade awarded. There will be no pass/fail in professional activities (PA).
- C. Following grade scale of evaluation of performance in PA has been established.

<u>Grades</u>	<u>Level of performance</u>
A	Excellent
B	Good
C	Fair
D	Average
E	Below Expectations

- D. Grades once obtained in a particular examination shall become final and no chance of improvement in grades will be given to the students.
- E. Assessment of performance in PA is to be done internally by the Institution, twice in a Semester/Term through a simultaneous evaluation of the candidate by a group of three teachers, of the deptt. Concerned. Group of teachers will jointly award the grade to candidate in the assessment. Best of the grades obtained by the student in these two assessments shall be finally taken on the mark sheet of the respective Semester/Term.

Candidate abstaining from the prescribed course work and/or assessment planned at the Institute shall be marked ABSENT in the mark sheet, instead of any grade.

- F. While awarding the grades for performance in PA, examining teacher should reach the final consensus based on the attendance, punctuality, interest, presentation skills in seminar on the topic assigned (collection of relevant data, observations, analysis, findings/conclusion) and its written report, awareness of latest developments in the chosen programme of study.
- G. Institution shall maintain the record of grades awarded to all the students in PA for a period of 1 year.
- H. It shall be mandatory for students to submit a compendium for his PA in the form of a Journal.
- I. Compendium shall contain following:
 - 1. Record of written quiz.
 - 2. Report/write up of seminar presented
 - 3. Abstract of the guest lectures arranged in the Institution.
 - 4. Topic and outcome of the group discussion held.
 - 5. Report on the problems solved through case studies.
 - 6. Report on social awareness camps(organized for social and environmental prevention).
 - 7. Report on student chapter activities of professional bodies like ISTE, IE (India), CSI etc.
- J. PA is not a descriptive course to be taught in the classroom by a particular teacher. Various activities involved in the achievement of

objectives of this course should be distributed to a number of teachers so that the talent and creativity of group of teacher's benefit the treatment of the course content.

These activities should preferably be conducted in English language to maintain continuity and provide reinforcement to skill development.

Small groups shall be formed like in tutorials, group discussion, case studies, seminar, project methods, roll play and simulation to make the development of personality affective.

Treatment of PA demands special efforts, attention, close co-operation and creative instinct on the part of teachers of department concerned. Since this course is totally learner centered, many of the activities planned under this course shall come out from the useful interaction of student, among themselves and with the teachers. The guide teacher/s shall best act as a facilitator of these creative hunts/ exercises, which unfold many of the hidden talents of the students or bring out greater amount of confidence in them, to execute certain activity.