

**PIR MEHR ALI SHAH
ARID AGRICULTURE UNIVERSITY
RAWALPINDI**



SELF ASSESSMENT REPORT 2010-12
Department of Entomology
B.Sc. (Hons)

Program Team

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Introduction

Department of Entomology started working during 1980 and offered minor courses of Entomology for the students of B.Sc. (Hons) agriculture programm. The aim behind offering the minor courses was to educate the agriculture graduates with crop protection techniques along with crop production. During the year 1986, the department started B.Sc. (Hons.) degree program in Entomology with the commitment to provide quality education and research in the area of Entomology. Basic aim to introduce the programme was to produce professionally skilled and academically sound entomologists able to identify the future issues related to Entomology and resolves the challenges relating to the insect pests of our field crop, stored commodities, diseases vectors and producing useful products directly and to improve quality of the human life and economy of the country indirectly. Keeping in view its mission and objectives, the programm is periodically reviewed to meet the challenges and to keep up with the pace of development. The programm enhances students' professional training and career opportunities. It involves field visits and holds national and international seminars on current issues relating to the protection and quality of post-harvest etc. During whole B.Sc. (Hons.) degree program, students are equipped with advanced techniques in various fileds of entomology like host plant resistance, biological control, insect mass rearing, insect toxicology, insect systematics etc. Moreover graduating students are provided an opportunity to visit various research institutes, research organizations, pesticide companies, national insect museums, Agriculture Universities etc. with the aim to introduce them with current issues of research in the form of two study toures. By the end of programm during last semester, students do a short term internship research under the supervision of departmental supervisor on any topic in order to enhance their research capabilities. During fall, 2010-Spring 2012, programme was also modified with the major improvements in all programm courses, various field trips for students, seminars on major issues like apiculture and dengue managements etc. During this period, students got good job oppertunities in various Punjab Govenments departments, various national and private banks, pesticide companies after passing this degree programm. Students passing this programm also won various MS and MS leading to Ph.D Scholarships from national organizations like HEC and various international Universities. The Programme was also improved by incorporating the recommendations for improving standard of teaching, quality of learning and achievement of its objectives from Quality Enhancement Cell of the University.

Criterion-1: Programme Mission, Objectives and Outcomes

Entomology deals with the study of insects which are the most successful group of animals are members of the largest phylum. Our program covers all fields like harmful insect pests, beneficial insects including biocontrol agents, pollinators, scavengers, honey bee, silkworm and other useful insects. Management of major insect pests of field crop, stored grains, fruit trees, vegetables and ornamentals etc using IPM techniques and safe and judicious use of pesticides is also a key component of entomology. In case of medical discipline, entomology is playing a key role in healing of wounds by application of sterile maggots which are otherwise difficult to heal specially in diabetic patients. Likewise environmental pollution, biodiversity and insect resistance against the pesticides are the burning issues of today which warrant continuous processes of education and research. Basic and applied education to the students at graduate and post-graduate level, in this specialized field, involves the use of modern/advanced teaching methods and innovative analytical techniques for insect pest identification, monitoring, scouting, forecasting and development of pest management techniques. Application of applied knowledge regarding pest management not only reduces enormous losses due to insect pests, lessen pollution hazards and develop a sustainable and substantially profitable production system for the farmers.

Standard 1-1: The program must have documented measurable objectives that support institution mission statements.

To produce professionals of strong background and recent technical knowledge to resolve the challenges relating to the insect pests infesting field crop, fruits and vegetables and stored commodities and the beneficial insects to produce valuable products like honey and silk etc thereby helping in development of agricultural and industrial economy, and producing useful products directly and to improve quality of the human life and economy of the country indirectly.

Main elements of strategic plan to achieve the mission and objectives

- Strengthening and implementation of a solid teaching system based on the knowledge, expertise and vision gathered from world reviews, literature, innovations, proceedings, symposia etc for the award of degree.
- Scheming and improving the curricula involving core subjects, elective subjects, field demonstrations and internship programs.

- Post-graduate research including special problems, research reports.
- Provocation of linkages with national and international research organizations to solve indigenous problems relating to research.

PROGRAM OBJECTIVES AND THEIR ASSESSMENT

The department monitoring system is focused on the lines:

- Student-Teacher interaction.
- Students views for program/faculty.
- Critical analysis and policy formulation for development of infrastructure.
- Policy formulation for faculty training and exposure to current advancement in the field of Entomology through various seminars, national workshops, congresses etc.
- Development of department through the submission of various projects to various funding agencies.
- Periodic review of the target achievements at department level.

Table: 1 Program Objectives Assessment

S. #	Objective	How Measured	When Measured	Improvement Identified	Improvement made
1	Entomological knowledge improvement on scientific lines	Graduate students assement via identification insect pests of various crops in the field	It is a regular process in the department	Improvement made by developing advisory service at the department.	Identified specimen is preserved in the departmental Insect museum for technical guidance of students and the growers also.
2	To communicate advance knowledge in various entomological disciplines like IPM, Biological control etc practically to the graduating students	Assessment made via exams/tests.	Via regular and periodic exam system of university	New techniques of IPM of various crops, Biological control etc in entomology practical workwere incoporated and accordingly some new subjects are required to be incorporated in the syllabus	Improvement of existing biological control laboratory as per requisite via developing the practical class lectures and experiments on bio-control agents.
3	Internship at the department level	Students internship assesment via project topics by the concerned supervisor in the department	Via evaluation procedure, prior to initiate the projects and at the completion of the internship at deparment level	Scrutiny for topics and prepare reports under the supervision of departmental supervisor	Seminarson the project at the end of project at deparment level for communication skill improvement in students
4	Incorporation of	Reviewed by concerned	In the periodic	Allied	New development in

	associated fields like pollinators role, Bio-control etc	departmental or faculty level committees, and councils (academic council)	meetings of the concerned bodies	topics/courses are suggested in the light of university/HEC guidelines/recommendations.	related fields are incorporated for awareness and exposure regarding the field
5	Foresee the new lines for all entomological subjects at graduate level	Through surveillance of crop pests, judging manpower, communication to evaluate farmers opinions	Regular feature at department level	Latest subjects matter from current research should be incorporated in syllabus, to study the new challenges	Endorsement of new scientific syllabus from current research to incorporate modern techniques

Standard 1-2: The program must have documented outcomes for graduating students. It must be documented that the outcomes support the program objectives and that graduating students are capable of performing these outcomes

Expected Outcomes of the Programme:

1. The students must have ability to understand the entomological issues related to pests, their identification and management.
2. The graduates should have a substantial skill to identify the pests and biocontrol agents and its application in devising IPM techniques for sustainable pest solutions.
3. The graduate students must have capability to take up small scale research on some national issue related to entomology which they come across during their course of duty. The students shall gain advanced theoretical and practical knowledge of the subject helping them to advance in their professional life and higher studies.
4. The graduates shall be capable to establish their own enterprises and business using their skills such as silkworm production, honey production, sterile maggot production, mass scale production of predators and parasites.
5. The students shall have potential to contribute in national economy.

Relationship between programme outcomes and objectives are given in table 2.

Table 2: Programme outcomes and their relationship with the Programme objectives

		Outcomes				
Objectives		1	2	3	4	5
		1	+++	++	++	+++

	2	+++	++	+++	++	++
	3	+++	++	++	+++	+++
	4	++	+++	++	++	+
	5	+++	++	++	++	+++

+ = Moderately satisfactory

++ = Satisfactory

+++ = Highly satisfactory

Programme Outcome Measurement

So as to evaluate the performance of the most concerned with regard to achievement of the stipulated objectives; information was gathered from the target groups through prescribed proforma provided by the Quality Enhancement Cell of Pir Mehr Ali Shah, Arid Agriculture University, Rawalpindi. The prescribed proformas were filled in by the respective class students, respective faculty members, department alumni, and the graduates (previously passed out from the university) working in different organizations, research institutes, and agriculture departments in different capacities/positions at national level.

PROGRAM ASSESSMENT RESULTS

Teachers' Evaluation

Regarding the teachers' performance and their assessment, evaluation was done by the respective students and their comments were gathered on prescribed proforma. This evaluation was done for different courses assigned to individual teachers through filling in Proforma 10. During the reporting period there were 10 teachers in the department which are numbered as 1-10. They are, Dr. Muhammad Naeem¹, Dr. Humayun Javed², Dr. Ata ul Mohsin³, Dr. M. Farooq Nasir⁴, Dr. Muir Ahmad⁵, Dr. Asif Aziz⁶, Dr. Muhammad Tariq⁷, Dr. Asim Gulzar⁸, Dr. Imran Bodlah⁹ and Dr. Jave Iqbal¹⁰ and . The results showed that the teacher # 1 & 3 were scoring 4.8, teacher 2 & 4 with 4.5, teacher 5-9 with 4.7 and teacher 10 with scoring 4.4.

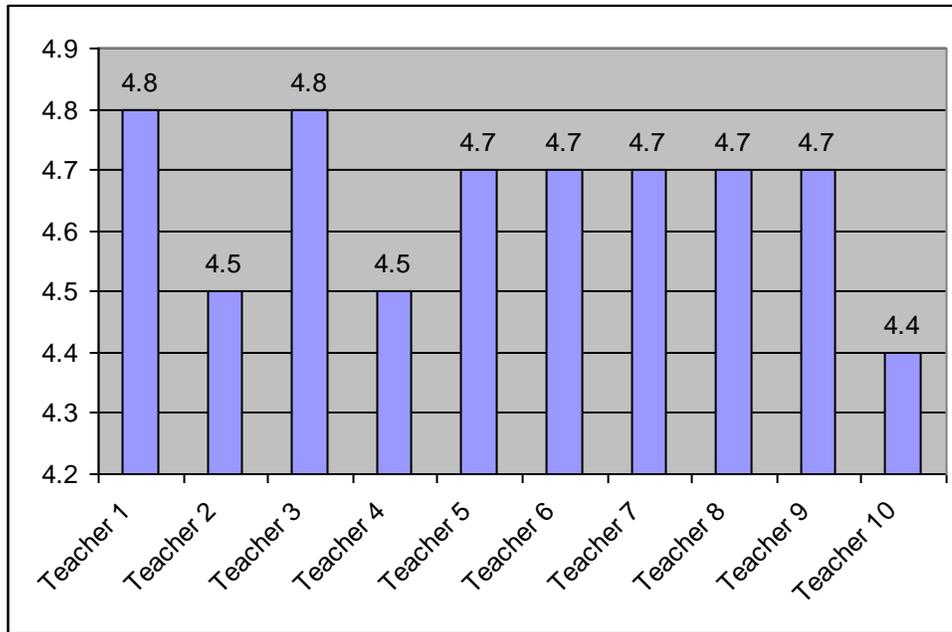


Figure: Performance level of different teachers in Entomology Department

Bar Graphs Showing Teacher Evaluation:

Teacher (Dr. Imran Bodlah) Evaluation on ENT-401, Session Fall 2010-11:

66% students strongly agree whereas 32% simply agreed 4% disagree and 4% strongly disagree that the instructor is prepared for each class. 40% students strongly agreed whereas 48% simply agreed and 12% disagree that the demonstrates knowledge on the subject. 56% students strongly agreed, 32% agreed, 4% uncertain, 4% disagree and 4% strongly disagree that their course was completely covered by the instructor. 24% student strongly agreed, 52% simply agreed, 8% were uncertain and 16% disagree that he provides additional material apart from the text. 40% are strongly agreeing, 44% agree and 4% were uncertain, 8% disagreed and 4% strongly disagreed he gave citations regarding current situations in reference to Pakistan. 24% strongly agree, 52% agreed, and 12% were uncertain and 12% disagree that the instructor communicates the subject matter every effectively. 28% were strongly agreed, 48% agree and 12% were uncertain, 8% disagree and 4% strongly disagreeing that the instructor has shown respect shown towards the students and encouraging class participation. 24% students strongly agreed, 40% agreed, 28% uncertain, 8% disagreed that the instructor maintains the environment that is conducive to learning. 40% were strongly agreed and 44% agreed, 8% uncertain, 8% disagreed that the instructor is very punctual. 40% strongly agree and 52% agree, 4% uncertain, 4% disagree that he leaves the class in time. 32 % were strongly agreed, 44% agreed, 20% were uncertain 28%

disagree that the instructor is fair in examination. 40% were strongly agreed, 36% agreed and 12% were uncertain, 12% disagree that he returns the graded script in a reasonable amount of time. 40% students strongly agree, 40% agreed, 4% uncertain, 12% disagree and 4% strongly disagreed that the instructor was available during the specified office hours and for after class consultation. 72% were strongly agreed, 12% agreed. 12% were uncertain and 4% disagree that the subject matter presented in the course has increased their knowledge on the subject. 36% students strongly agreed and 48% simply agreed and 8% were uncertain 8% disagree that the syllabus clearly states course objectives requirements, procedures and grading criterion. 32% students strongly agreed whereas 20% are agreed, 20% were uncertain that the course integrates theoretical course concepts with real world applications. 48% are strongly agreed and 44% agreed, 4% were uncertain, 4% disagreed that her assignments and exams covered the material presented in the course. 76% strongly agreed and 4% agreed, 8% were uncertain, 8% disagree, 11% strongly disagreed that the course material is modern and updated.

Teacher (Dr. Muhammad Naeem) Evaluation on ENT-501, Session Fall 2010-11:

48% students strongly agree whereas 28% simply agreed 8% disagree and 4% strongly disagree that the instructor is prepared for each class. 44% students strongly agreed whereas 32% simply agreed and 12% disagree that he demonstrates knowledge on the subject. 48% students strongly agreed, 28% agreed and 8% strongly disagree that their course was completely covered by the instructor. 64% student strongly agreed, 12% simply agreed, 4% were uncertain and 8% disagree that he provides additional material apart from the text. 32% are strongly agreeing, 48% agree and 4% were uncertain and 4% strongly disagreed he gave citations regarding current situations in reference to Pakistan. 32% strongly agree, 48% agreed, and 4% were uncertain and 8% strongly disagree that the instructor communicates the subject matter every effectively. 48% were strongly agreed, 24% agree and 4% were uncertain, 8% disagree and 4% strongly disagreeing that the instructor has shown respect shown towards the students and encouraging class participation. 40% students strongly agreed, 32% agreed, 8% uncertain, 8% strongly disagreed that the instructor maintains the environment that is conducive to learning. 64% were strongly agreed and 16% agreed, 4% uncertain, 4% strongly disagreed that the instructor is very punctual. 32% strongly agree and 40% agree, 12% disagree and 4% strongly disagree that he leaves the class in time. 40 % were strongly agreed, 24% agreed, 16% were uncertain 8%

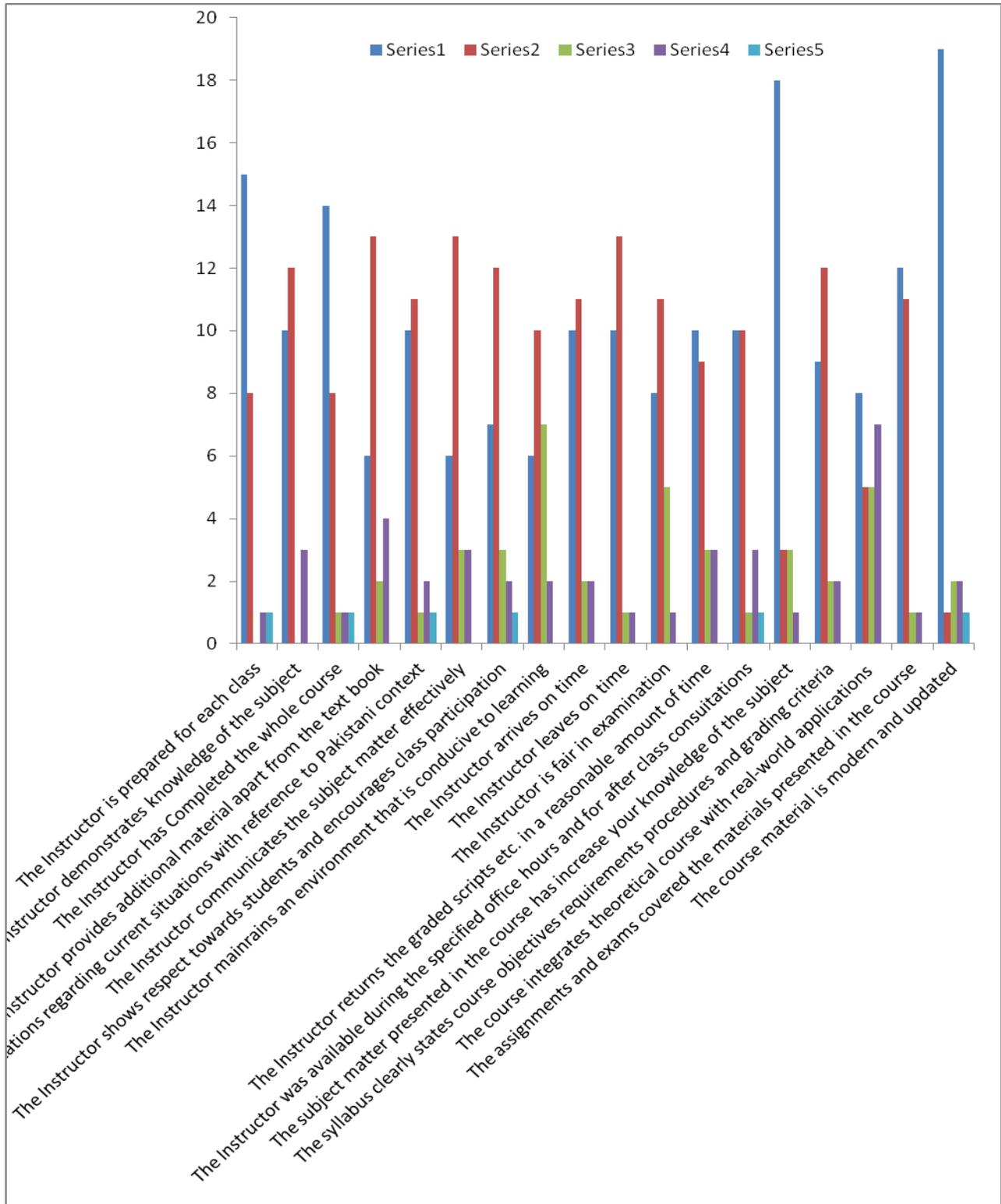


Fig. (ENT-401, Session Fall 2010-11)

Note: In all graphs Series 1=strongly agree; Series 2: Agree; Series 3=Uncertain; Series 4=Disagree; Series 5= Strongly Disagree

disagree that the instructor is fair in examination. 48% were strongly agreed, 32% agreed and 8% were uncertain that he returns the graded script in a reasonable amount of time. 52% students strongly agree, 28% agreed, 4% disagree and 4% strongly disagreed that the instructor was available during the specified office hours and for after class consultation. 32% were strongly agreed, 40% agreed. 4% were uncertain and 8% disagree and 4% strongly disagree that the subject matter presented in the course has increased their knowledge on the subject. 52% students strongly agreed and 20% simply agreed and 8% were uncertain 4% strongly disagree that the syllabus clearly states course objectives requirements, procedures and grading criterion. 12% students strongly agreed whereas 56% are agreed, 4% were uncertain, 4% disagree and 12% strongly disagree that the course integrates theoretical course concepts with real world applications. 60% are strongly agreed and 16% agreed, 4% were uncertain, 8% strongly disagreed that the assignments and exams covered the material presented in the course. 48% strongly agreed and 36% agreed and 4% disagree that the course material is modern and updated.

Teacher (Dr. Imran Bodlah) Evaluation on ENT-503, Session Fall 2010-11:

64% students strongly agree whereas 32% simply agreed, 5% uncertain and 5% disagree that the instructor is prepared for each class. 82% students strongly agreed whereas 18% simply agreed that he demonstrates knowledge on the subject. 55% students strongly agreed, 32% agreed 5% disagree and 8% strongly disagree that their course was completely covered by the instructor. 82% student strongly agreed, 13% simply agreed 5% disagree that he provides additional material apart from the text. 55% are strongly agreeing, 27% agree and 9% were uncertain 5% disagree and 4% strongly disagreed he gave citations regarding current situations in reference to Pakistan. 64% strongly agree, 18% agreed, 14% uncertain 4% strongly disagree that the instructor communicates the subject matter every effectively. 46% were strongly agreed, 36% agree and 9% were uncertain 8% strongly disagree that the instructor has shown respect shown towards the students and encouraging class participation. 73% students strongly agreed, 18% agreed, 5% uncertain 4% strongly disagree that the instructor maintains the environment that is conducive to learning. 46% were strongly agreed and 36% agreed, 14% uncertain 5% disagreed that the instructor is very punctual. 68% strongly agree and 23% agree, 5% disagree and 4% strongly disagree that he leaves the class in time. 64 % were strongly agreed, 32% agreed, 5% were uncertain that the instructor is fair in examination. 73% were strongly agreed, 18% agreed, 5% were disagree, 4% strongly disagree that he returns the graded script in a reasonable amount

of time. 50% students strongly agree, 32% agreed, 9% uncertain and 8% strongly disagreed that the instructor was available during the specified office hours and for after class consultation. 77% were strongly agreed, 23% agreed that the subject matter presented in the course has increased their knowledge on the subject. 64% students strongly agreed and 9% simply agreed and 18% were uncertain 9% disagree that the syllabus clearly states course objectives requirements, procedures and grading criterion. 68% students strongly agreed whereas 18% are agreed, 5% were uncertain, 8% strongly disagree that the course integrates theoretical course concepts with real world applications. 46% are strongly agreed and 50% agreed, 5% disagree that the assignments and exams covered the material presented in the course. 59% strongly agreed and 36% agreed and 5% were uncertain that the course material is modern and updated

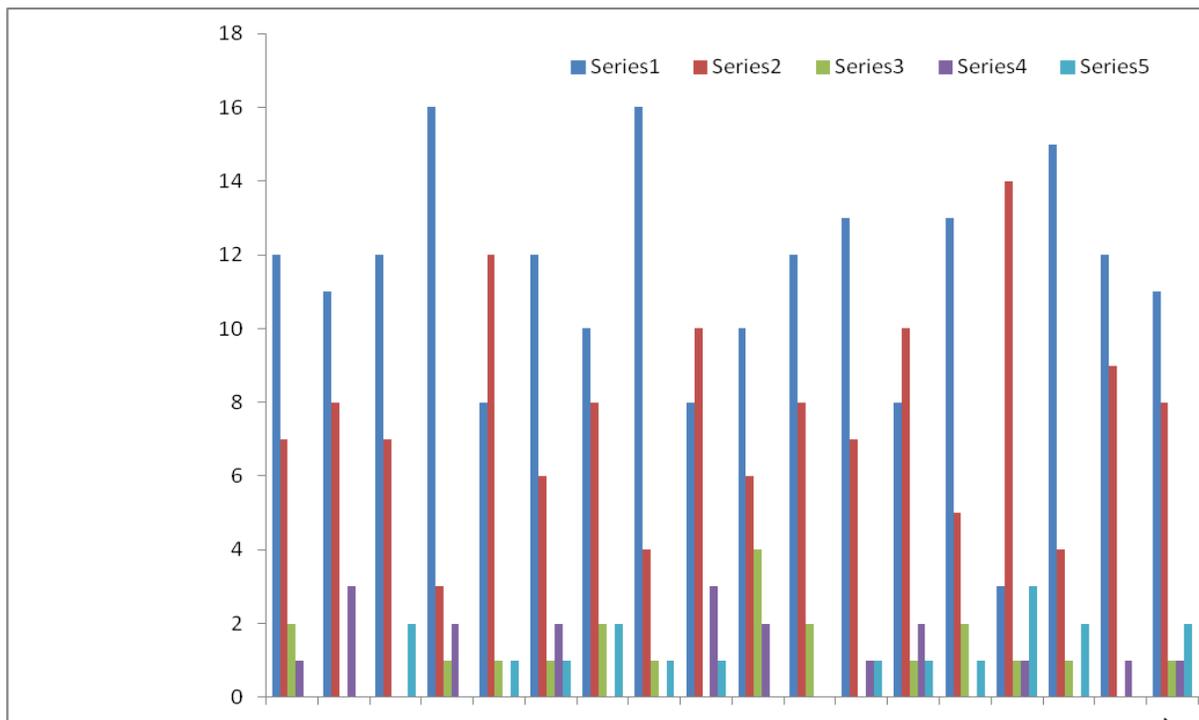


Fig. (ENT-501, Session Fall 2010-11)

Teacher (Dr. Javed Iqbal) Evaluation on ENT-505, Session Fall 2010-11:

50% students strongly agree whereas 50% simply agreed that the instructor is prepared for each class. 42% students strongly agreed whereas 54% simply agreed, 4% disagree that he demonstrates knowledge on the subject. 50% students strongly agreed, 50% agreed that their course was completely covered by the instructor. 46% disagree and 54% strongly disagree that he provides additional material apart from the text. 38% are strongly agreeing, 46% agree and

13% were uncertain that he gave citations regarding current situations in reference to Pakistan. 33% strongly agree, 63% agreed, 4% uncertain that the instructor communicates the subject matter every effectively. 33% were strongly agreed, 58% agree and 8% were uncertain that the instructor has shown respect shown towards the students and encouraging class participation. 46% students strongly agreed, 54% agreed that the instructor maintains the environment that is conducive to learning. 38% were strongly agreed and 62% agreed that the instructor is very punctual. 42% strongly agree and 46% agree, 8% were uncertain 4% disagree that he leaves the class in time. 50 % were strongly agreed, 46% agreed, 4% were uncertain that the instructor is fair in examination. 29% were strongly agreed, 67% agreed, 4% were uncertain, that he returns the graded script in a reasonable amount of time. 25% students strongly agree, 58% agreed, 17% uncertain that the instructor was available during the specified office hours and for after class consultation. 50% were strongly agreed, 38% agreed, 8% uncertain, 4% disagree that the subject matter presented in the course has increased their knowledge on the subject. 29% students strongly agreed and 58% simply agreed and 13% were uncertain that the syllabus clearly states course objectives requirements, procedures and grading criterion. 33% students strongly agreed whereas 63% are agreed, 5% were uncertain that the course integrates theoretical course concepts with real world applications. 42% are strongly agreed and 58% agreed that the assignments and exams covered the material presented in the course. 54% strongly agreed and 42% agreed and 5% were uncertain that the course material is modern and updated.

Teacher (Dr. Muhammad Asif Aziz) Evaluation on ENT-507, Session Fall 2010-11:

73% students strongly agree whereas 18% simply agreed, 5% disagree and 5% strongly disagree that the instructor is prepared for each class. 50% students strongly agreed whereas 32% simply agreed, 10% uncertain, 9% strongly disagree that he demonstrates knowledge on the subject. 73% students strongly agreed, 23% agreed that their course was completely covered by the instructor. 64% student strongly agreed, 9% simply agreed, 18% uncertain 9% disagree that he provides additional material apart from the text. 68% are strongly agreeing, 18% agree and 5% were uncertain and 9% strongly disagreed he gave citations regarding current situations in reference to Pakistan. 46% strongly agree, 50% agreed, 5% disagree that the instructor communicates the subject matter every effectively. 59% were strongly agreed, 36% agree and 5% were uncertain that the instructor has shown respect shown towards the students and

encouraging class participation. 55% students strongly agreed, 40% agreed, 5% uncertain that the instructor maintains the environment that is conducive to learning. 41% were strongly agreed and 36% agreed, 14% disagree 9% strongly disagreed that the instructor is very punctual. 46% strongly agree and 36% agree, 5% were uncertain 9% disagree and 5% strongly disagree that he leaves the class in time. 50 % were strongly agreed, 46% agreed, 5% were disagree that the instructor is fair in examination. 64% were strongly agreed, 27% agreed, 5% were uncertain, 5% disagree that he returns the graded script in a reasonable amount of time. 68% students strongly agree, 22% agreed, 5% disagree and 8% strongly disagreed that the instructor was available during the specified office hours and for after class consultation. 23% were strongly agreed, 46% agreed, 9% uncertain, 18% disagree and 5% were strongly disagree that the subject matter presented in the course has increased their knowledge on the subject. 64% students strongly agreed and 27% simply agreed and 5% were uncertain 5% disagree that the syllabus clearly states course objectives requirements, procedures and grading criterion. 59% students strongly agreed whereas 27% are agreed, 5% were disagree, 8% strongly disagree that the course integrates theoretical course concepts with real world applications. 46% are strongly agreed and 31% agreed, 9% uncertain, 9% disagree and 5% strongly disagreed that the assignments and exams covered the material presented in the course. 64% strongly agreed and 32% agreed and 5% were strongly disagreeing that the course material is modern and updated.

Teacher (Dr. Muhammad Asif Aziz) Evaluation on ENT-601, Session Fall 2010-11:

67% students strongly agree whereas 31% simply agreed, 5% were uncertain and 5 % were disagreeing that the instructor is prepared for each class. 82% students strongly agreed whereas 18% simply agreed that he demonstrates knowledge on the subject. 54% students strongly agreed and 31% agreed, 5% disagree and 9% strongly disagreeing that their course was completely covered by the instructor. 82% student agreed and 14% simply agreeing and 5% disagreed that he provides additional material apart from the text. 55% are strongly agreeing, 27% agree and 9% were uncertain, 5% disagree and 5% were strongly disagreeing that he gave citations regarding current situations in reference to Pakistan. 64% strongly agree, 18% agreed, and 14% were uncertain and 5% were strongly disagreeing that the instructor communicates the subject matter every effectively. 45% were strongly agreed, 36% agree and 9% were uncertain and 9 % were strongly disagreeing that the instructor has shown respect shown towards the students and

encouraging class participation. 73% students strongly agreed and 18% agreed, 5% were uncertain and 5% were strongly disagreeing that the instructor maintains the environment that is

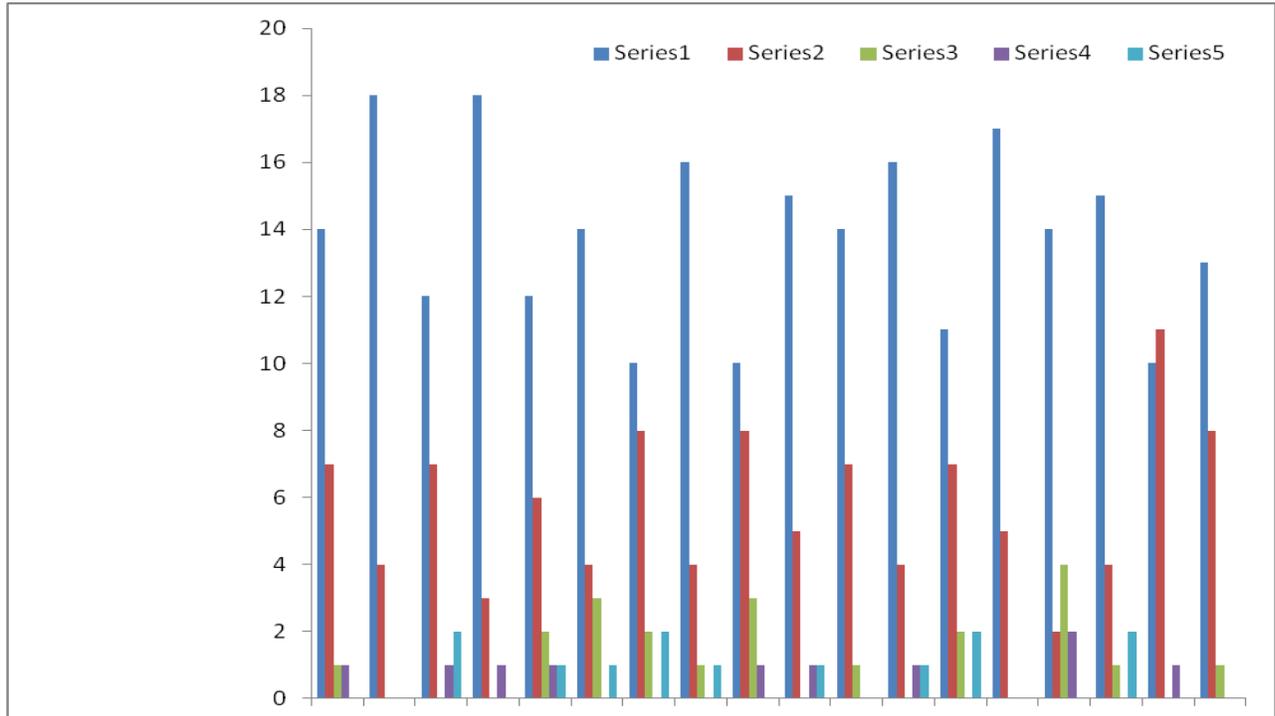


Fig. (ENT-503, Session Fall 2010-110)

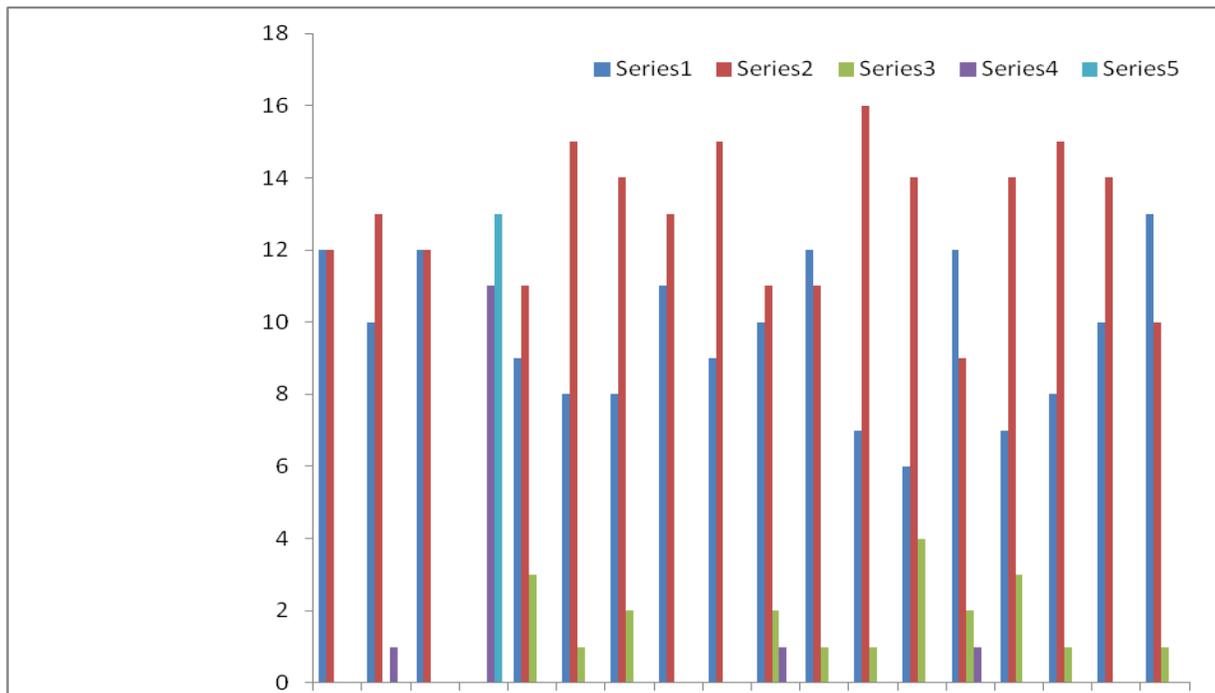


Fig. (ENT-505, Session Fall 2010-11)

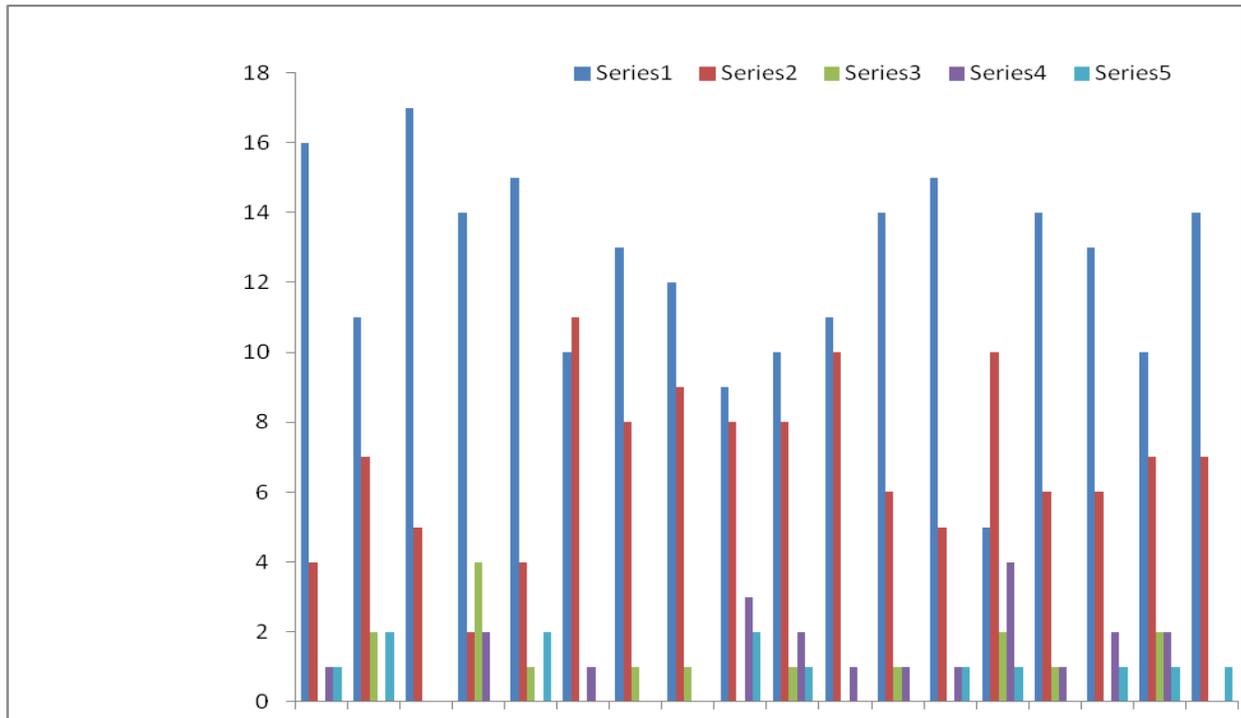


Fig. (ENT-507, Session Fall 2010-11)

conducive to learning. 45% were strongly agreed and 36% agreed, 13% were uncertain and 5% were disagreeing that the instructor is very punctual. 68% strongly agree and 22% agree, 5% disagree and 5% strongly disagreeing that he leaves the class in time. 64% were strongly agreed, 32% agreed and 5% were uncertain that the instructor is fair in examination. 73% were strongly agreed, 18% agreed, 9% were uncertain and 5% were strongly disagreeing that he returns the graded script in a reasonable amount of time. 73% students strongly agree, 18% agreed and 5% disagree and 5% strongly disagreeing that the instructor was available during the specified office hours and for after class consultation. 50% were strongly agreed, 32% agreed and 9% were uncertain and 9% were strongly disagreeing that the subject matter presented in the course has increased their knowledge on the subject. 77% students strongly agreed and 23% simply agreed that the syllabus clearly states course objectives requirements, procedures and grading criterion. 67% students strongly agreed whereas 9% are agreed and 18% were uncertain and 9% disagree that the course integrates theoretical course concepts with real world applications. 68% are strongly agreed and 18% agreed, 5% were uncertain and 9% strongly disagreeing that the assignments and exams covered the material presented in the course. 59%

strongly agreed and 36% agreed and 5% were uncertain that the course material is modern and updated.

Teacher (Dr. Munir Ahmad) Evaluation on ENT-603, Session Fall 2010-11:

46% students strongly agree whereas 41% simply agreed, 9% were uncertain and 5 % were disagree that the instructor is prepared for each class. 68% students strongly agreed whereas 18% simply agreed 9% disagree and 5% strongly disagree that he demonstrates knowledge on the subject. 64% students strongly agreed and 27% agreed, 9% disagree that their course was completely covered by the instructor. 54% student strongly agreed and 27% simply agreeing and 9% uncertain, 5% disagree, 5% strongly disagree that he provides additional material apart from the text. 72% are strongly agreeing, 14% agree and 5% were uncertain, 9% disagree that he gave citations regarding current situations in reference to Pakistan. 46% strongly agree,36% agreed, and 5% were uncertain and 9% were disagreeing that the instructor communicates the subject matter every effectively. 64% were strongly agreed, 27% agree and 9% were uncertain that the

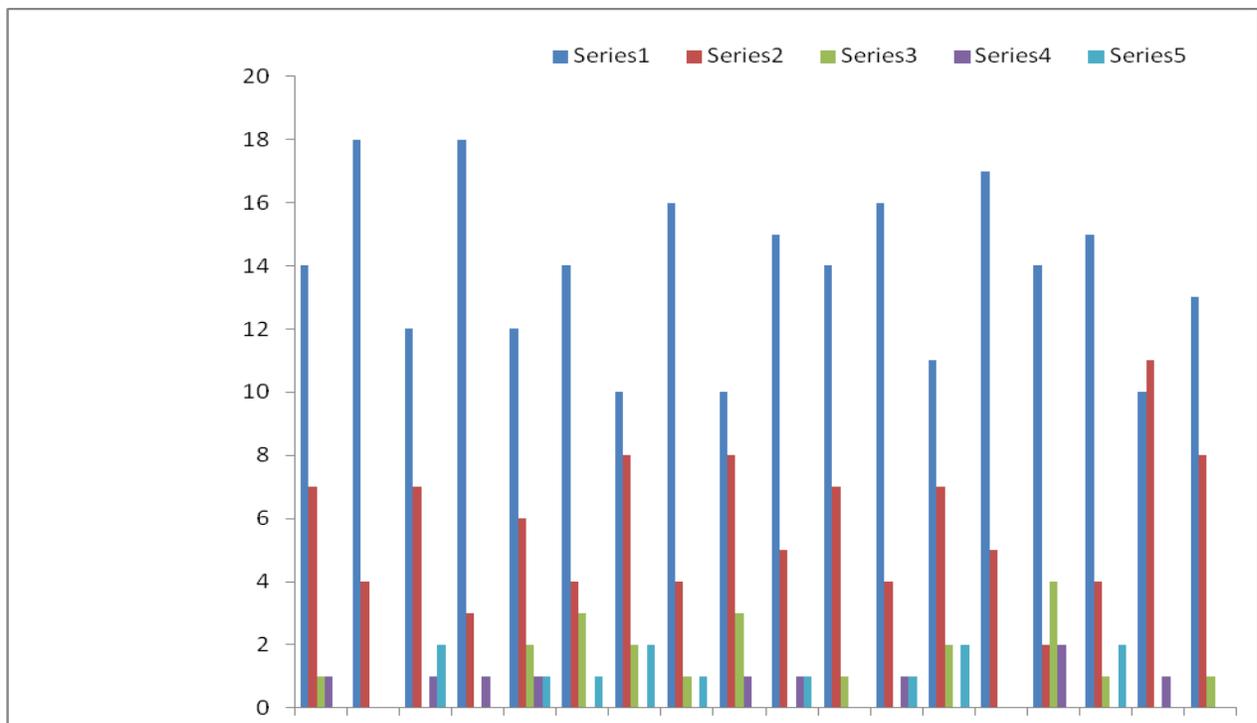


Fig. (ENT-601, Session Fall 2010-11)

instructor has shown respect shown towards the students and encouraging class participation. 59% students strongly agreed and 32% agreed, 9% were disagreeing that the instructor maintains the environment that is conducive to learning. 50% were strongly agreed and 45% agreed, 5% were strongly disagreeing that the instructor is very punctual. 64% strongly agree and 27% agree,

9% uncertain that he leaves the class in time. 68% were strongly agreed, 23% agreed and 9% were disagree that the instructor is fair in examination. 77% were strongly agreed, 23% agreed, that he returns the graded script in a reasonable amount of time. 72% students strongly agree, 18% agreed and 5% uncertain and 5% disagreeing that the instructor was available during the specified office hours and for after class consultation. 50% were strongly agreed, 18% agreed and 14% were uncertain, 5% disagree and 5% were strongly disagreeing that the subject matter presented in the course has increased their knowledge on the subject. 86% students strongly agreed and 13% simply agreed that the syllabus clearly states course objectives requirements, procedures and grading criterion. 96% students strongly agreed whereas 4% are agreed that the course integrates theoretical course concepts with real world applications. 81% are strongly agreed and 9% agreed, 9% strongly disagreeing that the assignments and exams covered the material presented in the course. 73% strongly agreed and 14% agreed and 14% were uncertain that the course material is modern and updated.

Teacher (Dr. Humayun Javed) Evaluation on ENT-604, Session Fall 2010-11:

45% students strongly agree whereas 27% simply agreed, 18% were uncertain and 9 % were strongly disagreeing that the instructor is prepared for each class. 55% students strongly agreed

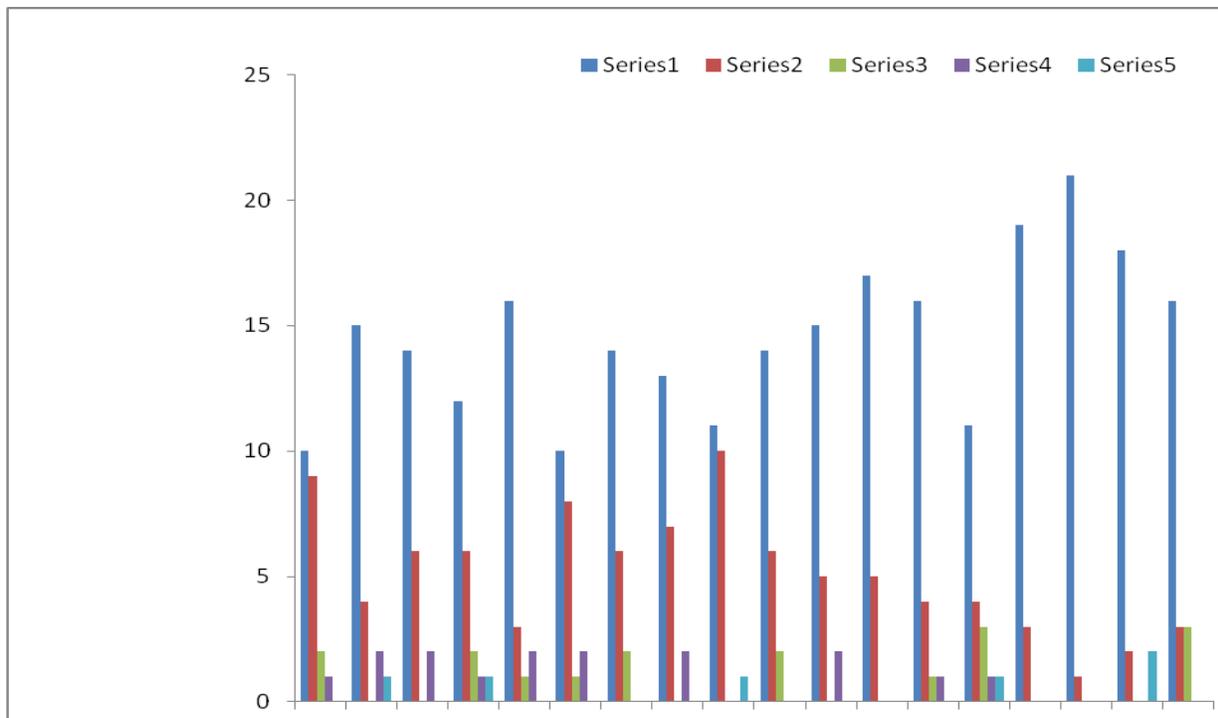


Fig. (ENT-603, Session Fall 2010-11)

whereas 32% simply agreed 9% were uncertain and 5% strongly disagreeing that he demonstrates knowledge on the subject. 50% students strongly agreed and 41% agreed, 5% disagree and 5% were strongly disagreeing that their course was completely covered by the instructor. 32% student strongly agreed and 50% simply agreeing and 9% uncertain, and 9% strongly disagree that he provides additional material apart from the text. 59% are strongly agreeing, 27% agree and 9% were uncertain, 5% disagree that he gave citations regarding current situations in reference to Pakistan. 64% strongly agree, 14% agreed, and 5% were uncertain, 14% disagree and 5% strongly disagreeing that the instructor communicates the subject matter every effectively. 68% were strongly agreed, 18% agree and 13% were strongly disagreeing that the instructor has shown respect shown towards the students and encouraging class participation. 50% students strongly agreed and 45% agreed, 5% were disagreeing that the instructor maintains the environment that is conducive to learning. 45% were strongly agreed and 41% agreed, 5% were disagreeing and 9% strongly disagreeing that the instructor is very punctual. 55% strongly agree and 36% agree, 5% disagree and 5% strongly disagreeing that he leaves the class in time. 64% were strongly agreed, 14% agreed and 18% were disagreeing that the instructor is fair in examination. 59% were strongly agreed, 14% agreed, 18% were uncertain and 9% were disagreeing that he returns the graded script in a reasonable amount of time. 45% students strongly agree, 41% agreed and 5% uncertain and 9% strongly disagreeing that the instructor was available during the specified office hours and for after class consultation. 50% were strongly agreed, 36% agreed and 9% were uncertain and 5% were strongly disagreeing that the subject matter presented in the course has increased their knowledge on the subject. 59% students strongly agreed and 32% simply agreed and 9% were disagreeing that the syllabus clearly states course objectives requirements, procedures and grading criterion. 45% students strongly agreed whereas 23% are agreed, 9% were uncertain, 5% disagree and 18% strongly disagreeing that the course integrates theoretical course concepts with real world applications. 64% are strongly agreed and 27% agreed, 5% were uncertain and 5% strongly disagreeing that the assignments and exams covered the material presented in the course. 45% strongly agreed and 36% agreed and 5% were uncertain, 9% were disagreeing and 5% strongly disagreed that the course material is modern and updated.

Teacher (Dr. Munir Ahmad) Evaluation on ENT-605, Session Fall 2010-11:

50% students strongly agree whereas 50% simply agreed that the instructor is prepared for each class. 64% students strongly agreed whereas 27% simply agreed 5% were uncertain and 5% strongly disagreeing that he demonstrates knowledge on the subject. 45% students strongly agreed and 36% agreed, 14% disagree and 5% were strongly disagreeing that their course was

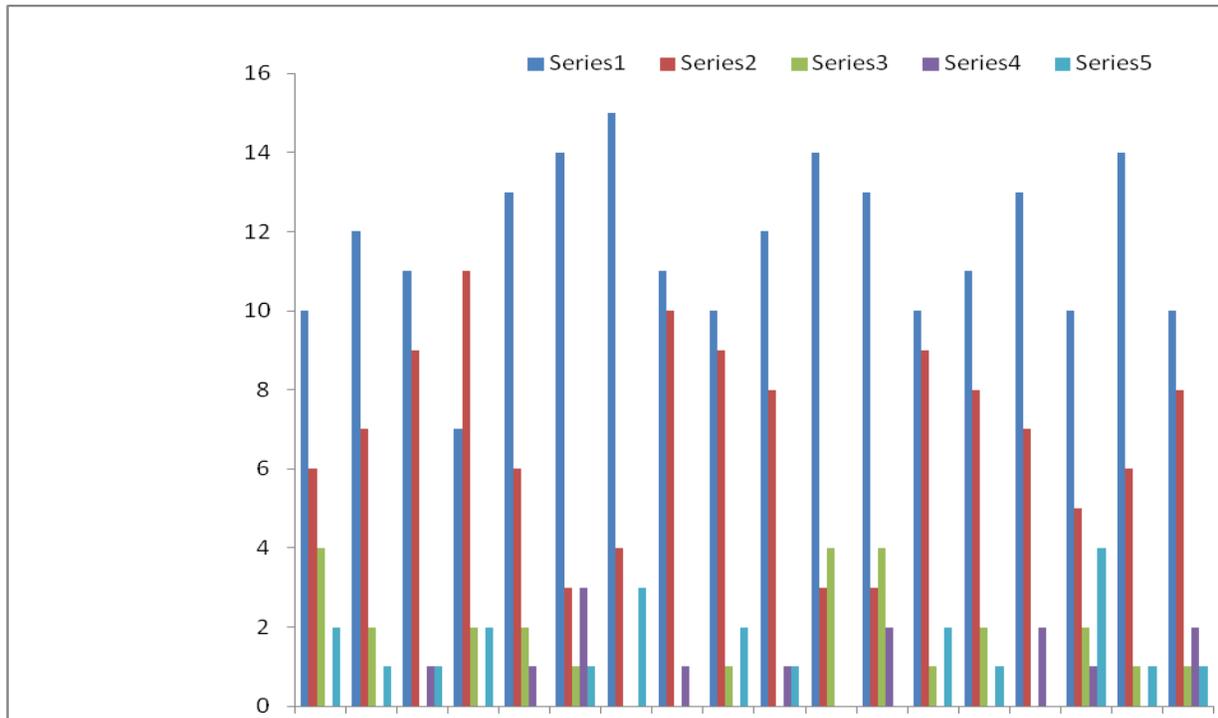


Fig. (ENT-604, Session Fall 2010-11)

completely covered by the instructor. 45% student strongly agreed and 36% simply agreeing and 14% disagree, and 5% strongly disagree that he provides additional material apart from the text. 27% are strongly agreeing, 45% agree and 9% were uncertain, 18% disagree that he gave citations regarding current situations in reference to Pakistan. 32% strongly agree, 54% agreed, 5% were uncertain and 9% disagreeing that the instructor communicates the subject matter every effectively. 41% were strongly agreed, 50% agree, 5% were uncertain and 5% were strongly disagreeing that the instructor has shown respect shown towards the students and encouraging class participation. 50% students strongly agreed and 32% agreed, 9% were uncertain and 9% were disagreeing that the instructor maintains the environment that is conducive to learning. 27% were strongly agreed and 59% agreed, 9% were disagreeing and 5% strongly disagreeing that the instructor is very punctual. 14% strongly agree and 64% agree, 5% were uncertain, 5% disagree and 14% strongly disagree that he leaves the class in time. 18% were strongly agreed, 68% agreed and 14% were uncertain that the instructor is fair in

examination. 45% were strongly agreed, 50% agreed 5% were strongly disagreeing that he returns the graded script in a reasonable amount of time. 41% students strongly agree, 45% agreed and 5% uncertain and 5% strongly disagreeing that the instructor was available during the specified office hours and for after class consultation. 36% were strongly agreed, 55% agreed, 5% were uncertain and 5% were strongly disagreeing that the subject matter presented in the course has increased their knowledge on the subject. 14% students strongly agreed and 64% simply agreed and 18% were disagreeing that the syllabus clearly states course objectives requirements, procedures and grading criterion. 14% students strongly agreed whereas 59% are agreed, 18% disagree and 9% strongly disagreeing that the course integrates theoretical course concepts with real world applications. 41% are strongly agreed and 45% agreed, 9% were uncertain and 5% were disagreeing that the assignments and exams covered the material presented in the course. 73% strongly agreed and 14% agreed and 14% were uncertain that the course material is modern and updated.

Teacher (Dr. Humayun Javed) Evaluation on ENT-607, Session Fall 2010-11:

55% students strongly agree whereas 32% simply agreed, 5% were uncertain that the instructor is prepared for each class. 55% students strongly agreed whereas 36% simply agreed that he demonstrates knowledge on the subject. 36% students strongly agreed and 55% agreed that their course was completely covered by the instructor. 45% student strongly agreed and 45% simply agreeing and 10% disagreeing that he provides additional material apart from the text. 32% are strongly agreeing, 55% agree and 5% were uncertain that he gave citations regarding current situations in reference to Pakistan. 36% strongly agree, 45% agreed, 9% were uncertain that the instructor communicates the subject matter every effectively. 50% were strongly agreed, 32% agree, 5% were uncertain and 5% were disagreeing that the instructor has shown respect shown towards the students and encouraging class participation. 36% students strongly agreed and 50% agreed, 5% were uncertain and 5% were disagreeing that the instructor maintains the environment that is conducive to learning. 36% were strongly agreed and 50% agreed, 5% were disagreeing that the instructor is very punctual. 27% strongly agree and 40% agree, 23% were disagreeing that he leaves the class in time. 55% were strongly agreed, 36% agreed that the instructor is fair in examination. 41% were strongly agreed, 41% agreed 9% were disagreeing that he returns the graded script in a reasonable amount of time. 41% students strongly agree, 45% agreed and 5% disagreeing that the instructor was available during the specified office

hours and for after class consultation. 55% were strongly agreed, 32% agreed, 5% were disagreeing that the subject matter presented in the course has increased their knowledge on the subject. 14% students strongly agreed and 64% simply agreed and 18% were disagreeing that the syllabus clearly states course objectives requirements, procedures and grading criterion. 14%

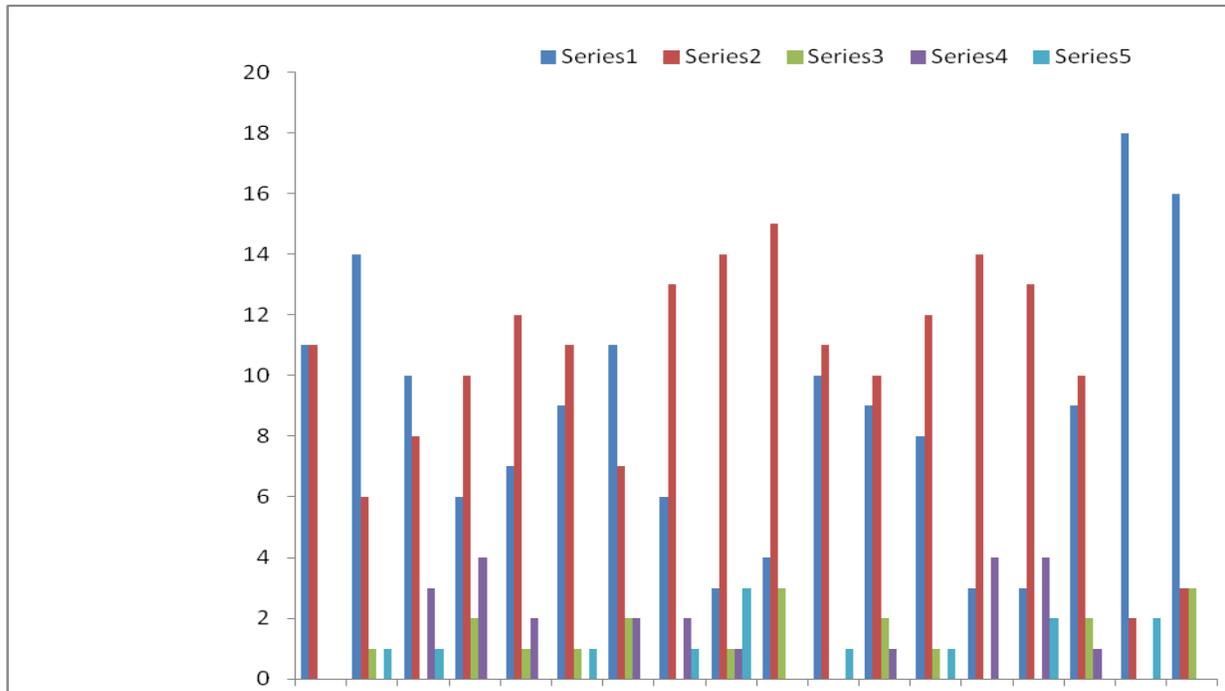


Fig. (ENT-605, Session Fall 2010-11)

students strongly agreed whereas 59% are agreed, 18% disagree and 9% strongly disagreeing that the course integrates theoretical course concepts with real world applications. 41% are strongly agreed and 45% agreed, 9% were uncertain and 5% were disagreeing that the assignments and exams covered the material presented in the course. 36% strongly agreed and 50% agreed and 5% were disagreeing that the course material is modern and updated.

Teacher (Dr. Muhammad Naeem) Evaluation on ENT-609, Session Fall 2010-11:

86% students strongly agree whereas 14% simply agreed that the instructor is prepared for each class. 96% students strongly agreed whereas 4% simply agreed that he demonstrates knowledge on the subject. 81% students strongly agreed and 9% agreed and 9% strongly disagree that their course was completely covered by the instructor. 72% student strongly agreed and 14% simply agreeing and 14% uncertain that he provides additional material apart from the text. 68% are strongly agreeing, 23% agree and 9% were strongly disagree that he gave citations regarding current situations in reference to Pakistan. 50% strongly agree, 14% agreed, 37% were uncertain

that the instructor communicates the subject matter every effectively. 36% were strongly agreed, 46% agree, 9% were uncertain that the instructor has shown respect shown towards the students and encouraging class participation. 50% students strongly agreed and 32% agreed, 5% were uncertain and 5% were disagreeing that the instructor maintains the environment that is

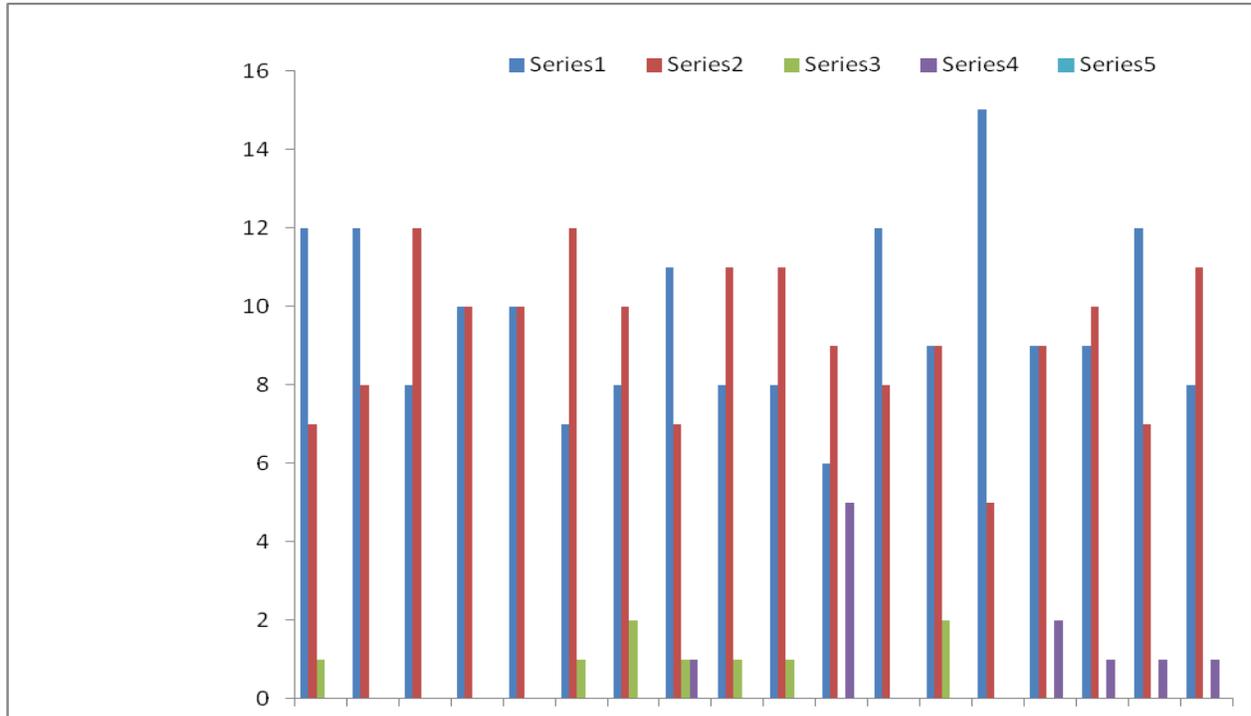


Fig. (ENT-607, Session Fall 2010-11)

conducive to learning. 36% were strongly agreed and 50% agreed, 5% were uncertain that the instructor is very punctual. 36% strongly agree and 50% agree, 5% were uncertain that he leaves the class in time. 50% were strongly agreed, 45% agreed 5% disagree that the instructor is fair in examination. 63% were strongly agreed, 27% agreed 5% uncertain 9% were disagreeing that he returns the graded script in a reasonable amount of time. 68% students strongly agree, 23% agreed and 5% disagreeing 5% strongly disagree that the instructor was available during the specified office hours and for after class consultation. 23% were strongly agreed, 45% agreed, 5% were disagreeing 5% strongly disagree that the subject matter presented in the course has increased their knowledge on the subject. 63% students strongly agreed and 27% simply agreed and 5% uncertain 18% were disagreeing that the syllabus clearly states course objectives requirements, procedures and grading criterion. 59% students strongly agreed whereas 27% are agreed, 9% disagree and 5% strongly disagreeing that the course integrates theoretical course concepts with real world applications. 45% are strongly agreed and 31% agreed, 9% were

uncertain and 9% were disagreeing 5% strongly disagree that the assignments and exams covered the material presented in the course. 36% strongly agreed and 50% agreed and 5% were disagreeing that the course material is modern and updated.

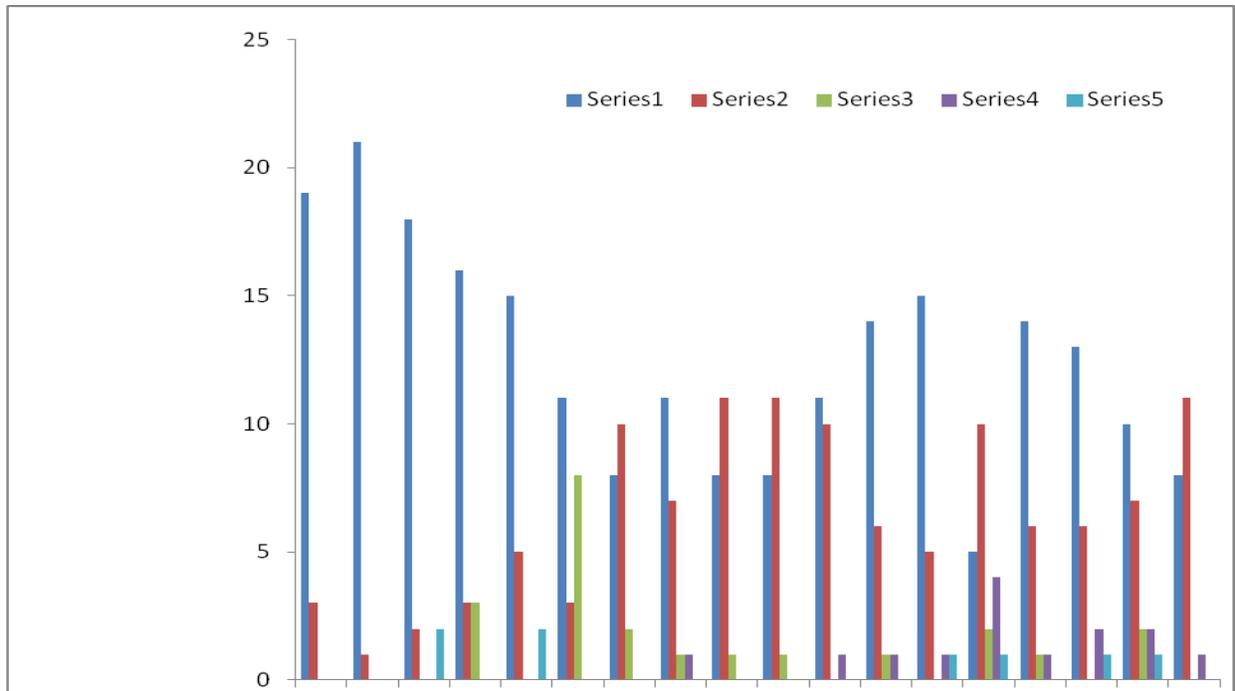


Fig. (ENT-609, Session Fall 2010-11)

Session Spring 2011

Teacher (Dr. Ata ul Mohsin) Evaluation on ENT-402, Session Spring 2011:

81% students strongly agree whereas 13% simply agreed, 6% were uncertain that the instructor is prepared for each class. 65% students strongly agreed whereas 32% simply agreed and 3% were uncertain that he demonstrates knowledge of the subject. 77% students strongly agreed, 16% agreed, 3% were uncertain and 3% were disagreed that their course was completely covered by the instructor. 61% student strongly agreed, 32% agreed and 6% were uncertain that he provides additional material apart from the textbook. 52% are strongly agreed and 35% agree whereas 10% were uncertain that the instructor gave citations regarding current situations in reference to Pakistan. 61% strongly agree, 26% agreed, and 13% were uncertain that the instructor communicates the subject matter very effectively. 77% were strongly agreed, 19% agree and 3% were uncertain that the instructor has shown respect towards the students and encourages class participation. 65% students strongly agreed, 26% agreed, 3% were uncertain

and 6% were disagreed that the instructor maintains the environment that is conducive to learning. 65% were strongly agreed, 26% agreed, 3% were uncertain and 6% were disagreed that

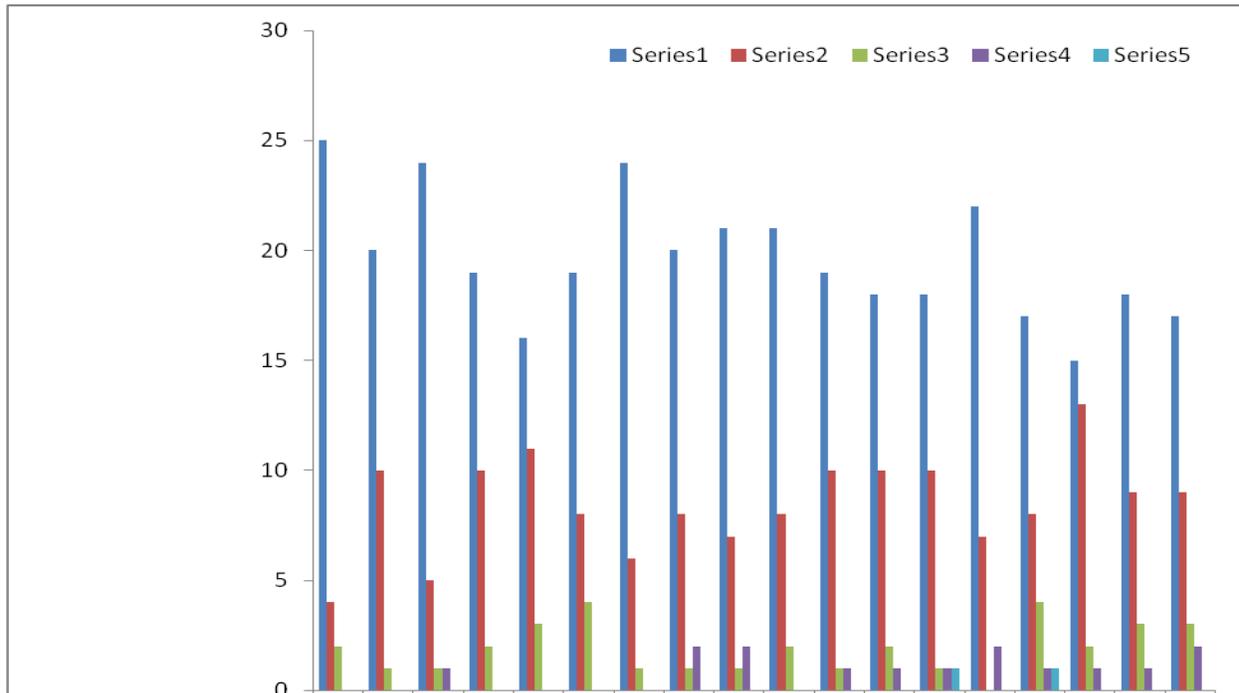


Fig. (ENT-402, Session Spring 2011)

the instructor is very punctual. 68% strongly agree, 26% were agreed, 6% were uncertain that he leaves the class on time. 61 % were strongly agreed, 32% agreed, 3% were uncertain and 3% were disagreed that the instructor is fair in examination. 58% were strongly agreed, 32% agreed, 6% were uncertain and 3% were disagreed that he returns the graded script in a reasonable amount of time. 58% students strongly agree, 32% agreed, 3% were uncertain, 3% were disagreed and 3% were strongly disagreed that the instructor was available during the specified office hours and for after class consultation. 71% were strongly agreed, 23% agreed, 6% were disagree that the subject matter presented in the course has increased their knowledge on the subject. 55% students strongly agreed, 26% simply agreed, 13% were uncertain, 3% were disagreed and 3% were strongly disagreed that the syllabus clearly states course objectives requirements, procedures and grading criterion. 48% students strongly agreed, 42 were simply agreed, 6% were uncertain and 3% were disagree that the course integrates theoretical course concepts with real world applications. 58% are strongly agreed, 29% agreed, 10% were uncertain and 3% disagreed that the assignments and exams covered the material presented in the course.

55% strongly agreed, 29% agreed, 10% were uncertain and 6% were disagreed that the course material is modern and updated.

Teacher (Dr. Humayun Javed) Evaluation on ENT-508, Session Spring 2011:

70% students strongly agree whereas 30% students simply agreed that the instructor is prepared for each class. 61% students strongly agreed whereas 39% simply agreed that he demonstrates knowledge on the subject. 70% students strongly agreed, 26% agreed and 4% were uncertain that their course was completely covered by the instructor. 52% student strongly agreed, 48% agreed that he provides additional material apart from the text. 48% are strongly agreed, 48% agree and 4% were uncertain that he gave citations regarding current situations in reference to Pakistan. 65% strongly agreed, 30% agreed, and 4% were uncertain that the instructor communicates the subject matter every effectively. 57% were strongly agreed, 43% agreed that the instructor has shown respect shown towards the students and encouraging class participation. 52% students strongly agreed, 48% agreed that the instructor maintains the environment that is conducive to learning. 78% were strongly agreed, 17% agreed and 4% were uncertain that the instructor is very punctual. 74% strongly agreed, 22% agreed and 4% were uncertain that he leaves the class in time. 48 % were strongly agreed, 35% agreed, 13% were uncertain and 4% students disagreed that the instructor is fair in examination. 52% were strongly agreed, 39% agreed and 4% were uncertain that he returns the graded script in a reasonable amount of time. 43% students strongly agreed, 52% agreed and 4% uncertain that the instructor was available during the specified office hours and for after class consultation. 57% were strongly agreed, 30% agreed and 13% uncertain that the subject matter presented in the course has increased their knowledge on the subject. 61% students strongly agreed, 35% simply agreed and 4% were uncertain that the syllabus clearly states course objectives requirements, procedures and grading criterion. 48% students strongly agreed, 48% were agreed and 4% were uncertain that the course integrates theoretical course concepts with real world applications. 48% were strongly agreed, 48% agreed, and 4% disagreed that the assignments and exams covered the material presented in the course. 57% strongly agreed, 35% agreed and 9% strongly disagreed that the course material is modern and updated.

Teacher (Dr. Muhammad Asif Aziz) Evaluation on ENT-506, Session Spring 2011:

70% students strongly agree whereas 30% simply agreed that the instructor is prepared for each class. 57% students strongly agreed whereas 43% simply agreed that he demonstrates knowledge of the subject. 39% students strongly agreed, 61% agreed that their course was completely

covered by the instructor. 61% student strongly agreed, 39% agreed that he provides additional material apart from the textbook. 43% are strongly agreed and 57% agreed that the instructor gave citations regarding current situations in reference to Pakistan. 57% strongly agree, 43% agreed that the instructor communicates the subject matter very effectively. 70% were strongly agreed, 30% agreed that the instructor has shown respect towards the students and encourages class participation. 70% students strongly agreed, 30% agreed that the instructor maintains the environment that is conducive to learning. 70% were strongly agreed, 26% agreed, 4% were uncertain that the instructor is very punctual. 65% strongly agree, 30% were agreed, 4% were uncertain that he leaves the class on time. 61 % were strongly agreed, 39% agreed that the instructor is fair in examination. 52% were strongly agreed, 48% agreed that he returns the graded script in a reasonable amount of time. 70% students strongly agree, 30% agreed that the instructor was available during the specified office hours and for after class consultation. 52% were strongly agreed, 39% agreed, 9% were uncertain that the subject matter presented in the course has increased their knowledge on the subject. 43% students strongly agreed, 57% simply agreed that the syllabus clearly states course objectives requirements, procedures and grading criterion. 61% students strongly agreed, 35 were simply agreed, 4% were uncertain that the course integrates theoretical course concepts with real world applications. 52% are strongly agreed, 48% agreed that the assignments and exams covered the material presented in the course. 78% strongly agreed, 13% agreed, 9% were uncertain that the course material is modern and updated

Teacher (Dr. Imran Bodlah) Evaluation on ENT-402, Session Spring 2011:69% students strongly agreed whereas 31% simply agreed that the instructor is prepared for each class. 66% students strongly agreed whereas 34% simply agreed that he demonstrates knowledge of the subject. 83% students strongly agreed, 17% agreed that their course was completed covered by the instructor. 34% student strongly agreed, 38% agreed, 14% were uncertain, 10% were disagreed and 3% were strongly disagreed that he provides additional material apart from the textbook. 34% are strongly agreed, 59% agree whereas 3% were uncertain and 3% were strongly disagreed that the instructor gave citations regarding current situations in reference to Pakistan. 52% strongly agree, 41% agreed, and 7% were uncertain that the instructor communicates the subject matter very effectively. 52% were strongly agreed, 38% agree and 10% were uncertain that the instructor has shown respect towards the students and encourages class participation.

48% students strongly agreed, 48% agreed and 3% were uncertain that the instructor maintains the environment that is conducive to learning. 66% were strongly agreed, 34% agreed that the instructor is very punctual. 59% strongly agree, 38% were agreed, and 3% were strongly

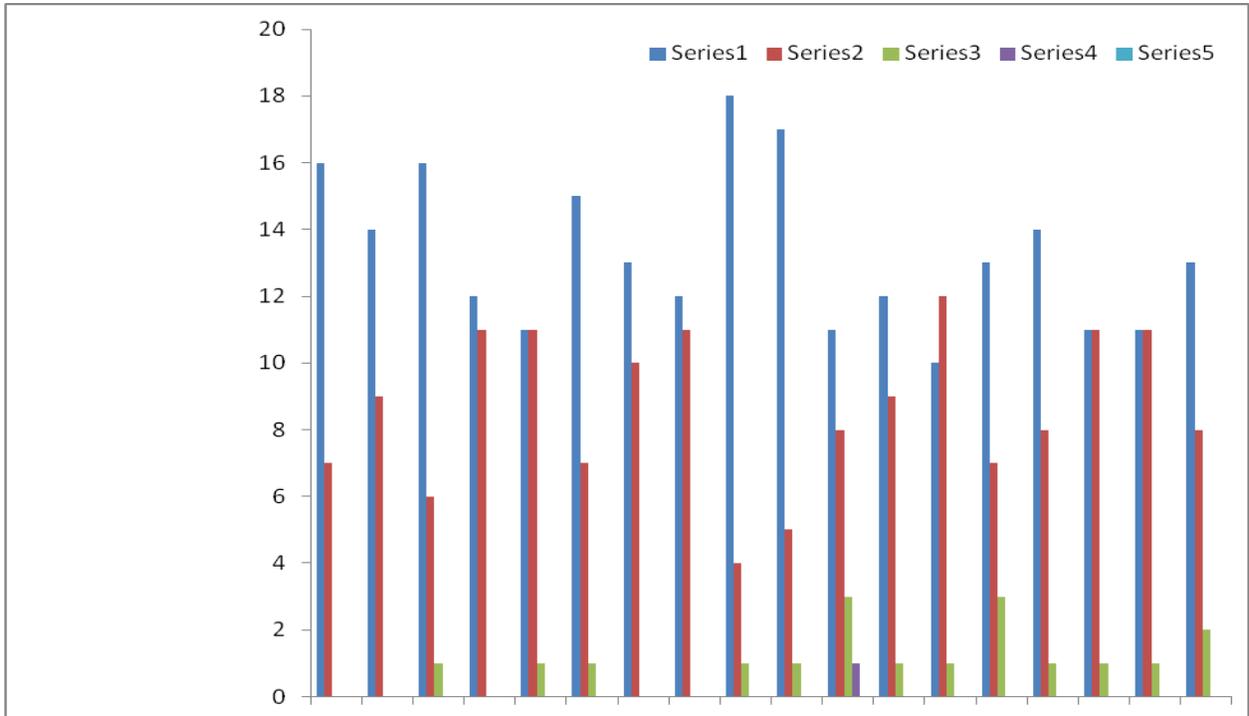


Fig. (ENT-508, Session Spring 2011)

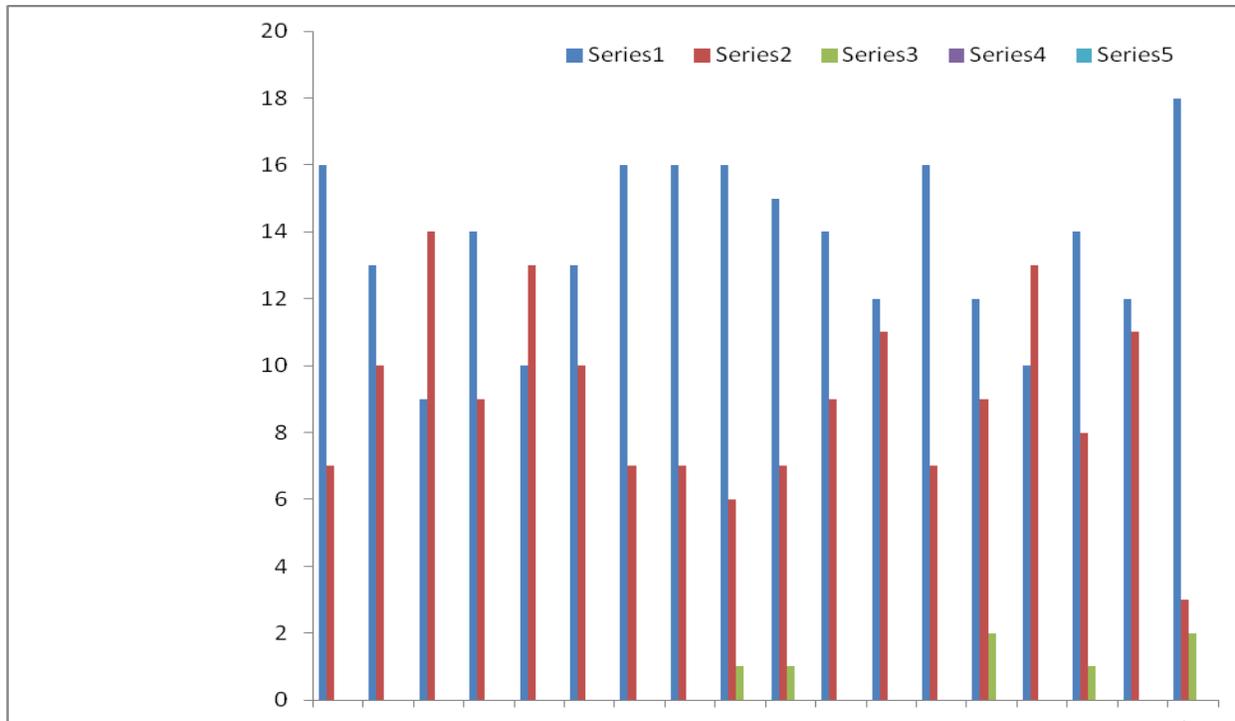


Fig. (ENT-506, Session Spring 2011)

disagreed that he leaves the class on time. 48 % were strongly agreed, 31% agreed, 7% were uncertain and 10% were disagreed and 3% were strongly disagreed that the instructor is fair in examination. 34% were strongly agreed, 52% agreed, 10% were uncertain and 3% were strongly disagreed that he returns the graded script in a reasonable amount of time. 48% students strongly agree, 45% agreed, 3% were uncertain, 3% were disagreed that the instructor was available during the specified office hours and for after class consultation. 34% were strongly agreed, 62% agreed, 3% were disagreed that the subject matter presented in the course has increased their knowledge on the subject. 45% students strongly agreed, 48% simply agreed, 7% were uncertain that the syllabus clearly states course objectives requirements, procedures and grading criterion. 48% students strongly agreed, 31 were simply agreed, 17% were uncertain and 3% were disagreed that the course integrates theoretical course concepts with real world applications. 52% are strongly agreed, 41% agreed, 7% were uncertain that the assignments and exams covered the material presented in the course. 48% strongly agreed, 34% agreed, 17% were uncertain that the course material is modern and updated

Session fall 2011-12

Teacher (Dr. Muhammad Asif Aziz) Evaluation on ENT-401 B, Session Fall 2011-12:

79% students strongly agree that the instructor is prepared for each class. 61% students agreed whereas 38% simply agreed that he demonstrates knowledge on the subject. 63% students strongly agreed and 27% agreed that their course was completely covered by the instructor. 56% student strongly agreed, 38% agreed that he provides additional material apart from the text. 50% are strongly agreeing, 38% agree that he provides additional material apart from the text. 50% are strongly agreeing, 38% agree that he gave citations regarding current situations in reference to Pakistan. 47% strongly agree, 47% agreed, and that the instructor communicates the subject matter every effectively. 52% were strongly agreed, 43% agree that the Instructor maintains an environment that is conducive to learning. 63% were strongly agreed, 31% agreed that the Instructor arrives on time. 61% were strongly agreed, 29% agreed the Instructor leaves on time. 59% students strongly agree, 36% agreed that the Instructor is fair in examination. 52% were strongly agreed, 38% agreed that the Instructor returns the graded scripts etc. in a reasonable amount of time. 43% students strongly agreed and 47% simply agreed the Instructor was available during the specified office hours and for after class consultations. 52% are strongly agreed and 22% agreed the subject matter presented in the course has increased your knowledge of the subject. 56% strongly agreed and 31% agreed the syllabus clearly states course objectives

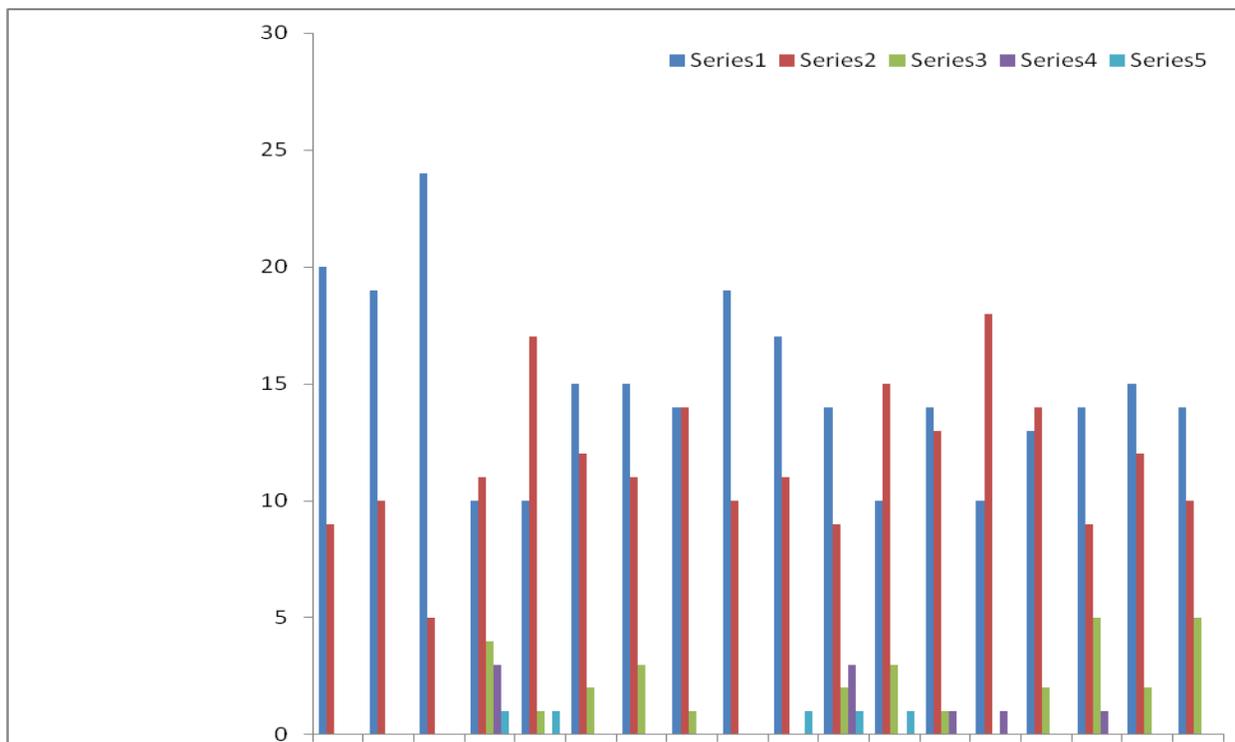


Fig. (ENT-402, Session Spring 2011)

requirements procedures and grading criteria. 52% strongly agreed and 36% agreed the course integrates theoretical course with real-world applications. 52% strongly agreed and 40% agree the assignments and exams covered the materials presented in the course. 56% strongly agreed and 27% agree the course material is modern and updated.

Teacher (Dr. Ata ul Mohsin) Evaluation on ENT-401 A, Session Fall 2011-12:

76% students strongly agree that the instructor is prepared for each class. 68% students agreed whereas 32% simply agreed that he demonstrates knowledge on the subject. 56% students strongly agreed and 36% agreed that their course was completely covered by the instructor. 52% student strongly agreed, 44% agreed that he provides additional material apart from the text. 60% are strongly agreeing, 28% agree that he gave citations regarding current situations in reference to Pakistan. 68% strongly agree, 24% agreed, and that the instructor communicates the subject matter every effectively. 72% were strongly agreed, 28% agree that the Instructor maintains an environment that is conducive to learning. 80 % were strongly agreed, 20% agreed that the Instructor arrives on time. 76% were strongly agreed, 16% agreed the Instructor leaves on time. 68% students strongly agree, 24% agreed that the Instructor is fair in examination. 52% were

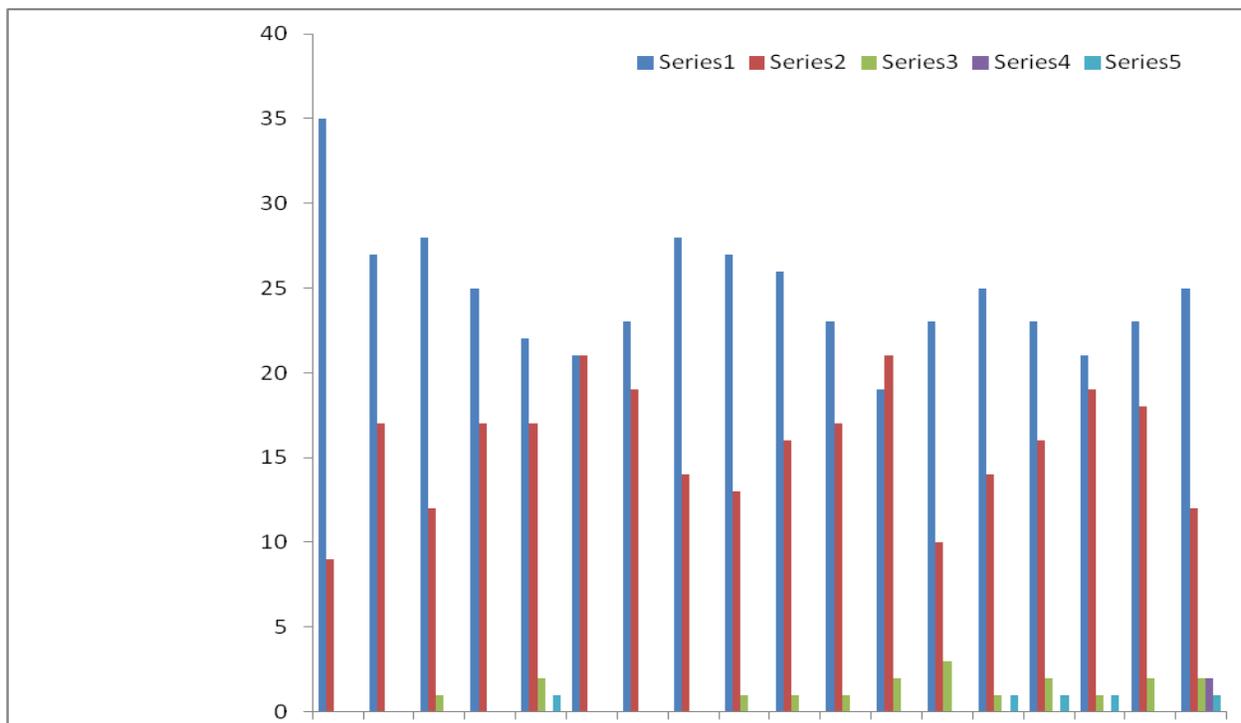


Fig. (ENT-401 B, Session Fall 2011-12)

strongly agreed, 36% agreed that the Instructor returns the graded scripts etc. in a reasonable amount of time. 64% students strongly agreed and 32% simply agreed the Instructor was

available during the specified office hours and for after class consultations 60% are strongly agreed and 32% agreed the subject matter presented in the course has increase your knowledge of the subject. 80% strongly agreed and 16% agreed the syllabus clearly states course objectives requirements procedures and grading criteria. 73% strongly agreed and 26% agreed the course integrates theoretical course with real-world applications. 80% strongly agreed and 16% agree the assignments and exams covered the materials presented in the course. 72% strongly agreed and 24% agree the course material is modern and updated.

Teacher (Dr. Muhammad Tariq) Evaluation on ENT-401, Session Fall 2011-12:

75% students strongly agree and 24% agree that the instructor is prepared for each class. 66% students agreed whereas 33% simply agreed that he demonstrates knowledge on the subject. 75% students strongly agreed and 24 % agreed that their course was completely covered by the instructor. 75% student strongly agreed, 24% agreed that he provides additional material apart from the text. 75% are strongly agreeing, 36% agree that he gave citations regarding current situations in reference to Pakistan. 60% strongly agree, 27% agreed, and that the instructor

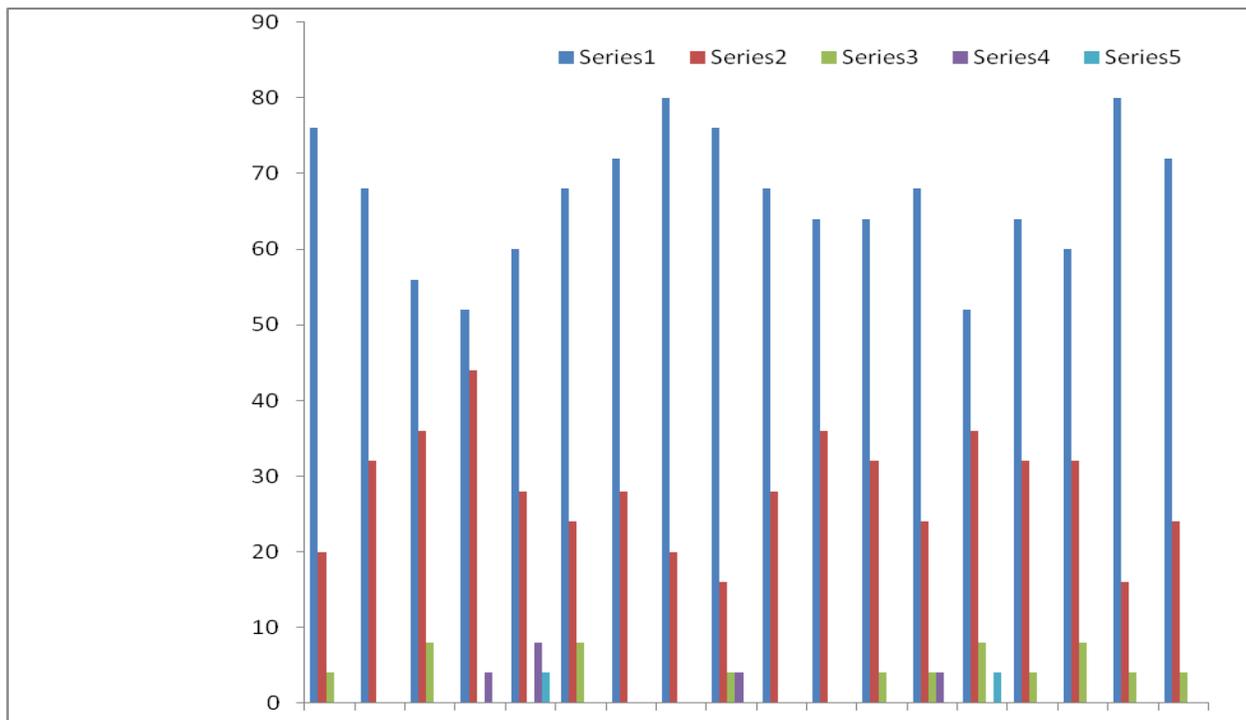


Fig. (ENT-401 A, Session Fall 2011-12)

communicates the subject matter every effectively. 69% were strongly agreed, 33% agree that the Instructor maintain an environment that is conducive to learning. 63 % were strongly agreed,27% agreed that the Instructor arrives on time. 69% were strongly agreed, 24% agreed the

Instructor leaves on time. 63% students strongly agree, 30% agreed that the Instructor is fair in examination. 75% were strongly agreed, 21% agreed that the Instructor returns the graded scripts etc. in a reasonable amount of time. 75% students strongly agreed and 24% simply agreed the Instructor was available during the specified office hours and for after class consultations 63% are strongly agreed and 33% agreed the subject matter presented in the course has increase your knowledge of the subject. 66% strongly agreed and 30% agreed the syllabus clearly states course objectives requirements procedures and grading criteria. 72% strongly agreed and 27% agree the assignments and exams covered the materials presented in the course. 63% strongly agreed and 36% agree the course material is modern and updated.

Teacher (Dr. Muhammad Asif Aziz) Evaluation on ENT-507, Session Fall 2011-12:

59% students strongly agree that the instructor is prepared for each class. 45% students agreed whereas 54% simply agreed that he demonstrates knowledge on the subject. 59% students

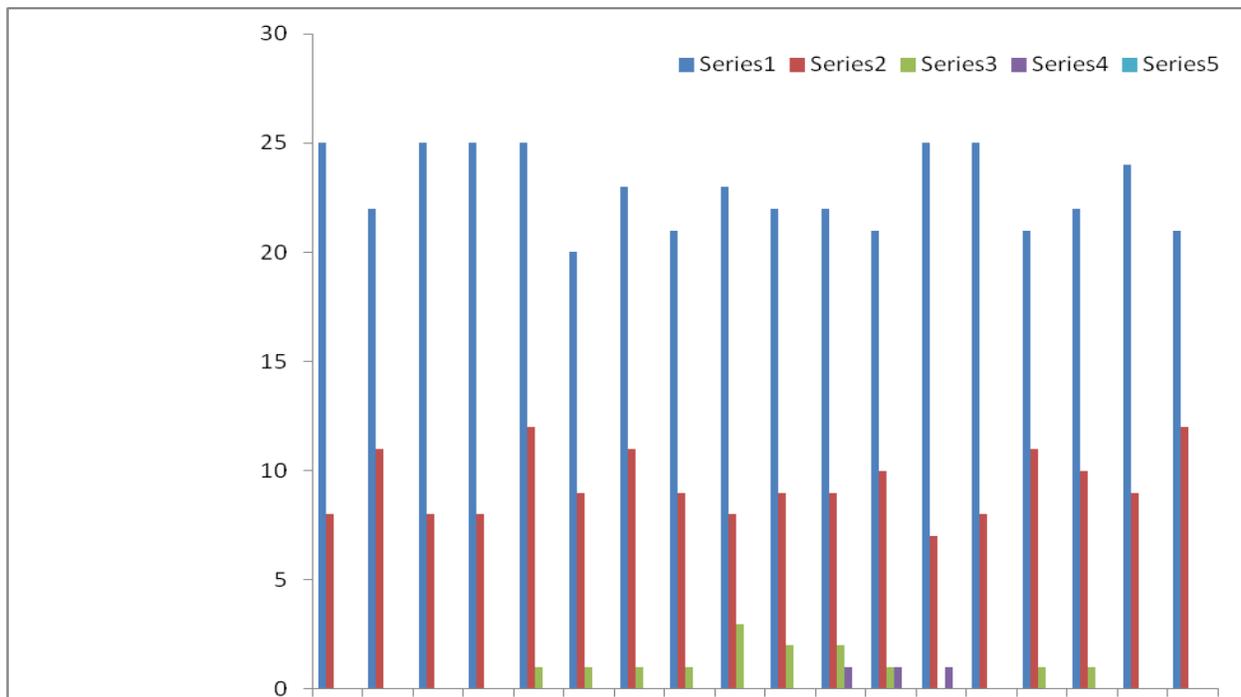


Fig. (ENT-401, Session Fall 2011-12)

strongly agreed and 27 % agreed that their course was completely covered by the instructor. 59% student strongly agreed, 31% agreed that he provides additional material apart from the text. 59% are strongly agreeing, 40% agree that he gave citations regarding current situations in reference to Pakistan. 54% strongly agree, 40% agreed, and that the instructor communicates the subject matter every effectively. 59% were strongly agreed, 36% agree that the Instructor maintain an

environment that is conducive to learning. 54 % were strongly agreed, 36% agreed that the Instructor arrives on time. 59% were strongly agreed, 27% agreed the Instructor leaves on time. 59% students strongly agree, 27% agreed that the Instructor is fair in examination. 31% were strongly agreed, 68% agreed that the Instructor returns the graded scripts etc. in a reasonable amount of time. 40% students strongly agreed and 45% simply agreed the Instructor was available during the specified office hours and for after class consultations 54% are strongly agreed and 40% agreed the subject matter presented in the course has increase your knowledge of the subject. 59% strongly agreed and 36% agreed the syllabus clearly states course objectives requirements procedures and grading criteria. 50% strongly agreed and 40% agreed the course integrates theoretical course with real-world applications. 50% strongly agreed and 40% agree the assignments and exams covered the materials presented in the course. 50% strongly agreed and 50% agree the course material is modern and updated.

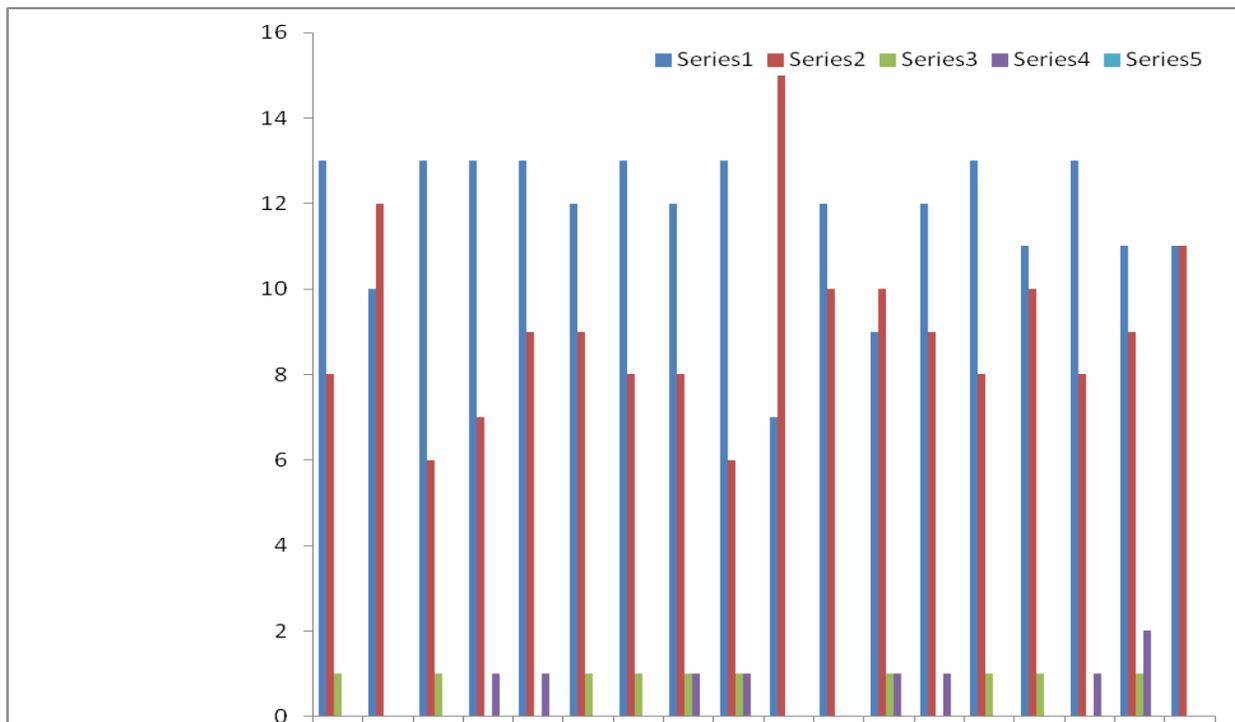


Fig. (ENT-507, Session Fall 2011-12)

Teacher (Dr. Muhammad Asif Aziz) Evaluation on ENT-601, Session Fall 2011-12:

40% students strongly agree and 50% agree that the instructor is prepared for each class. 45% students agreed whereas 45% simply agreed that he demonstrates knowledge on the subject. 50% students strongly agreed and 36 % agreed that their course was completely covered by the instructor. 62% student strongly agreed, 22% agreed that he provides additional material apart

from the text. 54% are strongly agreeing, 27% agree that he gave citations regarding current situations in reference to Pakistan. 36% strongly agree, 50% agreed, and that the instructor communicates the subject matter every effectively. 45% were strongly agreed, 45% agree that the Instructor maintains an environment that is conducive to learning. 45 % were strongly agreed, 40% agreed that the Instructor arrives on time. 59% were strongly agreed, 36% agreed the Instructor leaves on time. 63% students strongly agree, 31% agreed that the Instructor is fair in examination. 40% were strongly agreed, 45% agreed that the Instructor returns the graded scripts etc. in a reasonable amount of time. 45% students strongly agreed and 40% simply agreed the Instructor was available during the specified office hours and for after class consultations 54% are strongly agreed and 36% agreed the subject matter presented in the course has increase your knowledge of the subject. 36% strongly agreed and 54% agreed the syllabus clearly states course objectives requirements procedures and grading criteria. 50% strongly agreed and 36% agreed the course integrates theoretical course with real-world applications. 54% strongly agreed and 36% agree the assignments and exams covered the materials presented in the course. 54% strongly agreed and 31% agree the course material is modern and updated.

Teacher (Dr. Humayun Javed) Evaluation on ENT-607, Session Fall 2011-12:

100% students strongly agree that the instructor is prepared for each class. 100% students agreed that he demonstrates knowledge on the subject. 100% students strongly agreed that their course was completely covered by the instructor. 100% agreed that he provides additional material apart from the text. 100% agree that he gave citations regarding current situations in reference to Pakistan. 100% agreed, and that the instructor communicates the subject matter every effectively. 100% were strongly agreed that the Instructor maintain an environment that is conducive to learning. 100 % were strongly agreed that the Instructor arrives on time. 100% were strongly agreed that Instructor leaves on time. 100% agreed that the Instructor is fair in

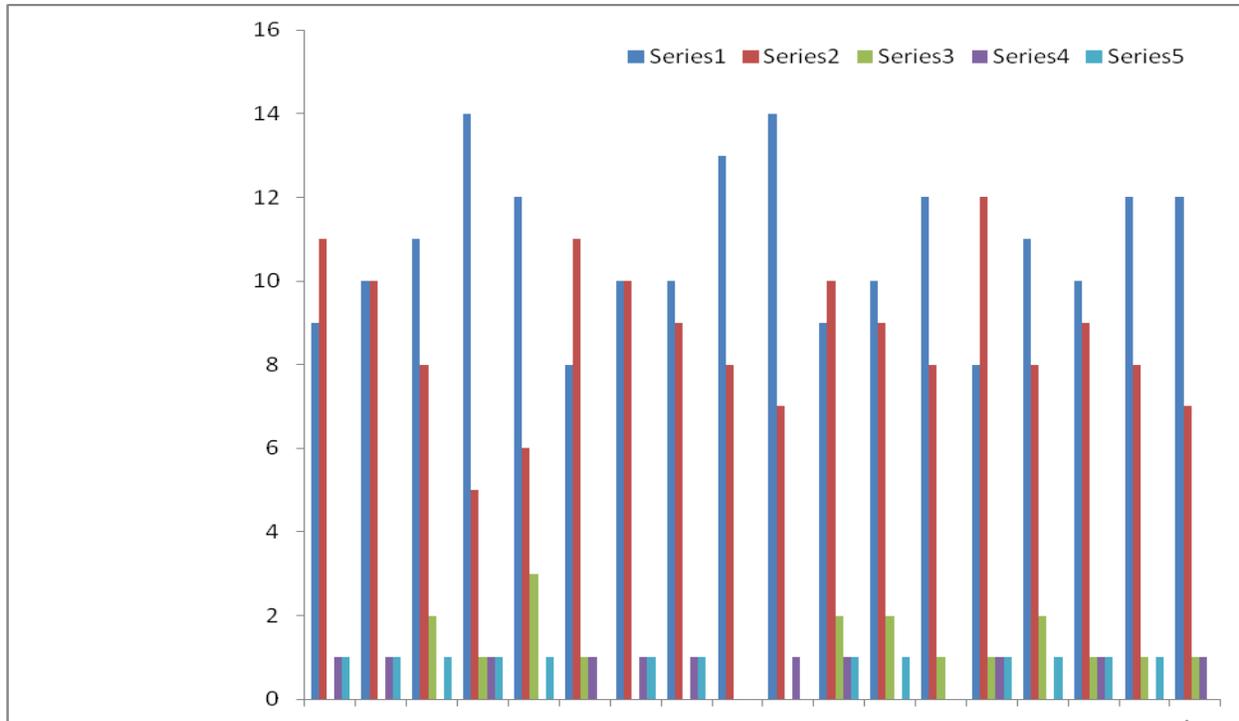


Fig. (ENT-601, Session Fall 2011-12)

examination. 100% agreed that the Instructor returns the graded scripts etc. in a reasonable amount of time. 100% students strongly agreed and that the Instructor was available during the specified office hours and for after class consultations 100% agreed the subject matter presented in the course has increases your knowledge of the subject. 100% agreed the syllabus clearly states course objectives requirements procedures and grading criteria. 100% agreed the course integrates theoretical course with real-world applications. 100% strongly agreed that the assignments and exams covered the materials presented in the course. 100% strongly agreed that the course material is modern and updated.

Teacher (Dr. Muhammad Naeem) Evaluation on ENT-501, Session Fall 2011-12:

60% students strongly agree that the instructor is prepared for each class. 60% students agreed whereas 40% simply agreed that he demonstrates knowledge on the subject. 53% students strongly agreed. 40 % strongly agreed, that their course was completely covered by the instructor. 50% student strongly agreed, 50% agreed that he provides additional material apart from the text. 50% are strongly agreeing, 50% agree that he gave citations regarding current situations in reference to Pakistan. 35% strongly agree, 12% agreed, and that the instructor communicates the subject matter every effectively. 40% were strongly agreed, 12% agree and 8% were disagreeing that the instructor has shown respect shown towards the students and

encouraging class participation. 55% were strongly agreed and 35% agreed that the Instructor maintains an environment that is conducive to learning. 40 % were strongly agreed,

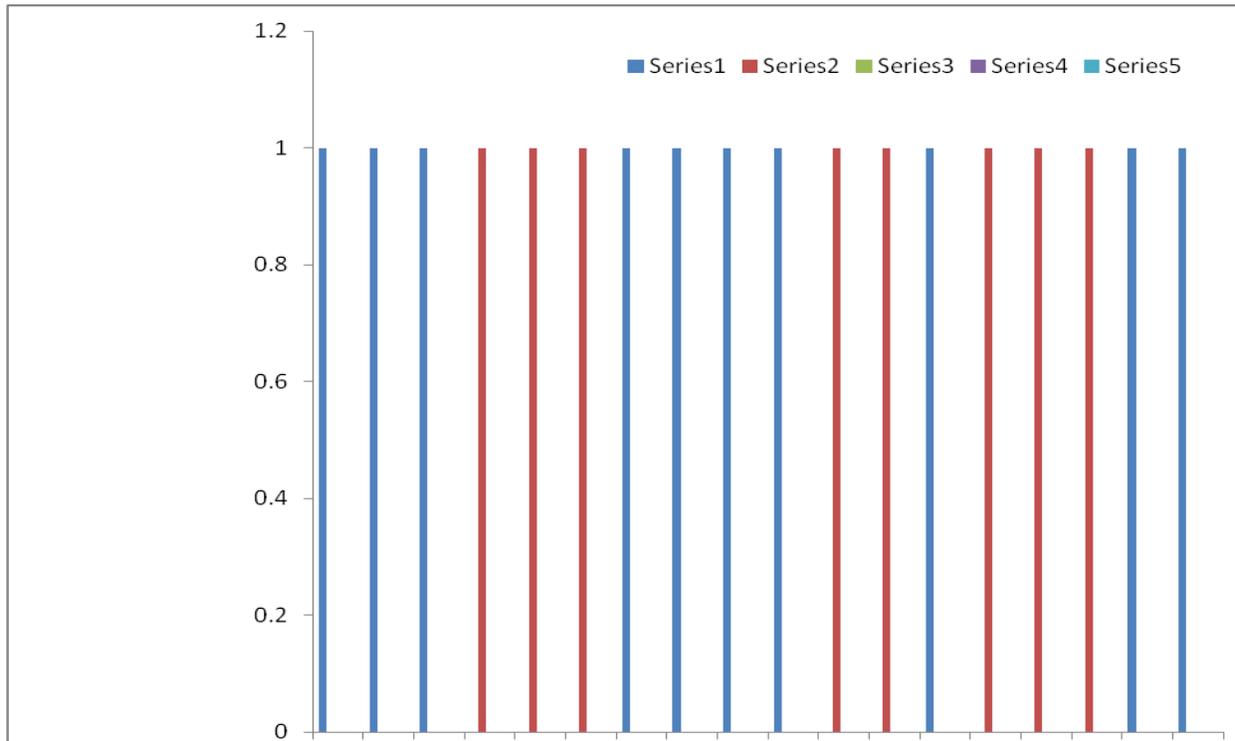


Fig. (ENT-607, Session Fall 2011-12)

55% agreed that the Instructor arrives on time. 40% were strongly agreed, 55% agreed and 5% were uncertain the Instructor returns the graded scripts etc. in a reasonable amount of time. 30% students strongly agree, 45% agreed that the instructor was available during the specified office hours and for after class consultation. 60% were strongly agreed, 45% agreed that the subject matter presented in the course has increase your knowledge of the subject. 45% students strongly agreed and 45% simply agreed and 2% were uncertain that the syllabus clearly states course objectives requirements, procedures and grading criterion. 45% are strongly agreed and 50% agreed the course integrates theoretical course with real-world applications. 60% strongly agreed and 35% agreed the assignments and exams covered the materials presented in the course. 40% strongly agreed and 45% agreed that the course material is modern and updated.

Teacher (Dr. Ata ul Mohsin) Evaluation on ENT-505, Session Fall 2011-12:

68% students strongly agree that the instructor is prepared for each class. 68% students agreed whereas 32% simply agreed that he demonstrates knowledge on the subject. 64% students strongly agreed. 36 % strongly agreed, that their course was completely covered by the

instructor. 68% student strongly agreed, 32% agreed that he provides additional material apart from the text. 64% are strongly agreeing, 36% agree that he gave citations regarding current situations in reference to Pakistan. 68% strongly agree, 32% agreed, and that the instructor communicates the subject matter every effectively. 68% were strongly agreed, 32% agree that The Instructor maintains an environment that is conducive to learning .55% were strongly agreed



Fig. (ENT-501, Session Fall 2011-12)

and 35% agreed that the Instructor maintains an environment that is conducive to learning. 72 %were strongly agreed, 28% agreed that the Instructor arrives on time. 60% were strongly agreed, 40% agreed the Instructor leaves on time. In a reasonable amount of time. 68% students strongly agree, 32% agreed that the Instructor is fair in examination. 72% were strongly agreed, 28% agreed that the the Instructor returns the graded scripts etc. in a reasonable amount of time. 60% students strongly agreed and 40% simply agreed and 2% were uncertain that the Instructor was available during the specified office hours and for after class consultations 68% are strongly agreed and 32% agreed the subject matter presented in the course has increase your knowledge of the subject 68% strongly agreed and 32% agreed the syllabus clearly states course objectives requirements procedures and grading criteria. 68% strongly agreed and 32% agreed that the course material is modern and updated.

Teacher (Dr. Munir Ahmad) Evaluation on ENT-605, Session Fall 2011-12:

58% students strongly agree that the instructor is prepared for each class. 54% students agreed whereas 45% simply agreed that he demonstrates knowledge on the subject. 79% students strongly agreed and 29% agreed that their course was completely covered by the instructor. 58% student strongly agreed, 33% agreed that he provides additional material apart from the text. 50% are strongly agreeing, 37% agree that he gave citations regarding current situations in reference to Pakistan. 50% strongly agree, 50% agreed, and that the instructor communicates the subject matter every effectively. 75% were strongly agreed, 16% agree that the Instructor maintains an environment that is conducive to learning. 50% were strongly agreed, 45% agreed that the Instructor arrives on time. 79% were strongly agreed, 16% agreed the Instructor leaves on time. 75% students strongly agree, 20% agreed that the Instructor is fair in examination. 50% were strongly agreed, 45% agreed that the Instructor returns the graded scripts etc. in a reasonable amount of time. 58% students strongly agreed and 37% simply agreed the Instructor was available during the specified office hours and for after class consultations 33% are strongly agreed and 54% agreed the subject matter presented in the course has increase your knowledge of the subject. 45% strongly agreed and 45% agreed the syllabus clearly states course objectives requirements procedures and grading criteria. 37% strongly agreed and 54% agreed the course integrates theoretical course with real-world applications. 45% strongly agreed and 50% agree the assignments and exams covered the materials presented in the course. 50% strongly agreed and 45% agree the course material is modern and updated.

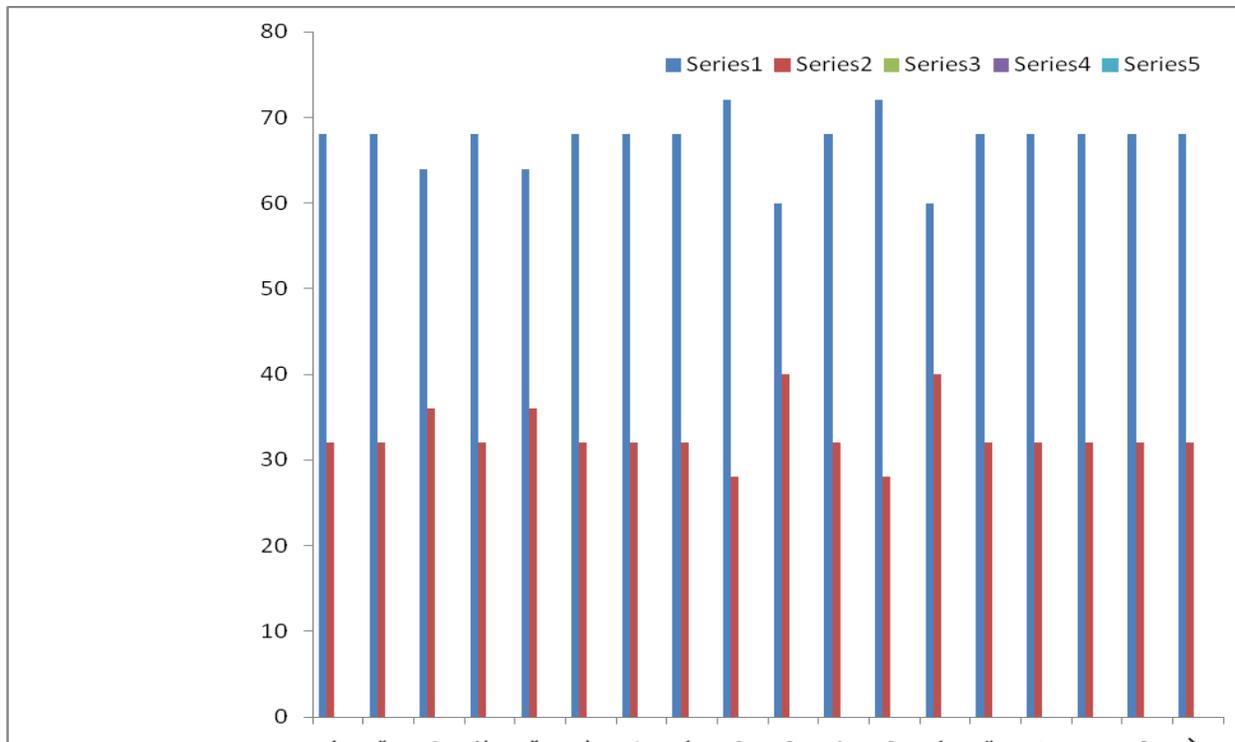


Fig. (ENT-505, Session Fall 2011-12)

Teacher (Dr. Imran Bodlah) Evaluation on ENT-503, Session Fall 2011-12:

62% students strongly agree and 33% agree that the instructor is prepared for each class. 41% students agreed whereas 50% simply agreed that he demonstrates knowledge on the subject. 58% students strongly agreed and 33 % agreed that their course was completely covered by the instructor. 25% student strongly agreed, 54% agreed that he provides additional material apart from the text. 41% are strongly agreeing, 45% agree that he gave citations regarding current situations in reference to Pakistan. 25% strongly agree, 54% agreed, and that the instructor communicates the subject matter every effectively. 29% were strongly agreed, 50% agree that the Instructor maintains an environment that is conducive to learning. 25 % were strongly agreed, 41% agreed that the Instructor arrives on time. 41% were strongly agreed, 45% agreed the Instructor leaves on time. 41% students strongly agree, 54% agreed that the Instructor is fair in examination. 33% were strongly agreed, 45% agreed that the Instructor returns the graded scripts etc. in a reasonable amount of time. 41% students strongly agreed and 37% simply agreed the Instructor was available during the specified office hours and for after class consultations.

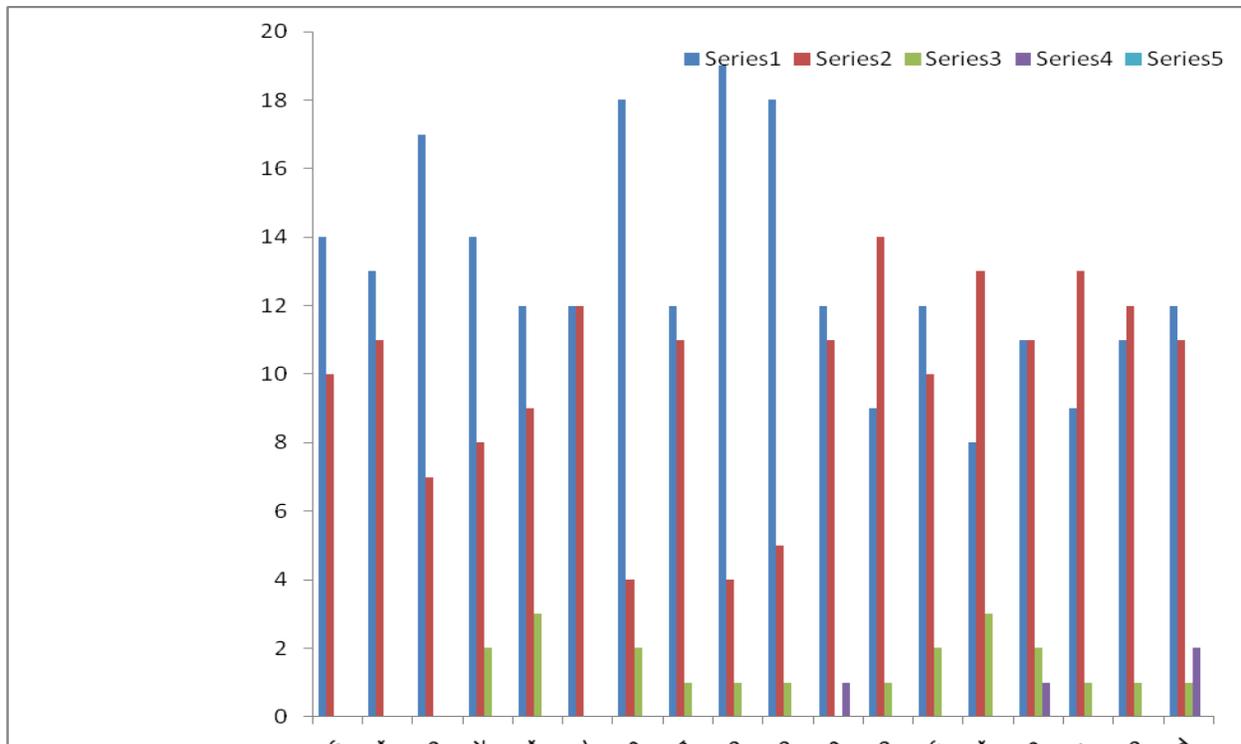


Fig. (ENT-605, Session Fall 2011-12)

41% are strongly agreed and 41% agreed the subject matter presented in the course has increase your knowledge of the subject. 33% strongly agreed and 12% agreed the syllabus clearly states course objectives requirements procedures and grading criteria. 37% strongly agreed and 8.3% agreed the course integrates theoretical course with real-world applications. 50% strongly agreed and 4.1% agree the assignments and exams covered the materials presented in the course. 37% strongly agreed and 4.1% agree the course material is modern and updated.

Session Spring 2012

Teacher (Dr. Muhammad Naeem) Evaluation on ENT-608, Session spring 2012:

50% students strongly agreed that teacher was prepared for each class and remaining 50% simply agreed. Similarly 50% students strongly agreed that the instructor communicate the subject matter effectively and other 50% simply agreed. 45.45% students strongly agreed, 36.36% simply agreed and 18.18% uncertain about the completion of each component of course by the instructor. About the relevance of course with respect to Pakistani perspectives 45.45% students are strongly agreed, 40.90% simply agreed while 9% students uncertain. 40.9% students strongly agreed that instructor encourage the student's class participation by inviting questions while 54.54% simply agreed whereas 4.54% uncertain. 63.63% students are strongly agreed that class

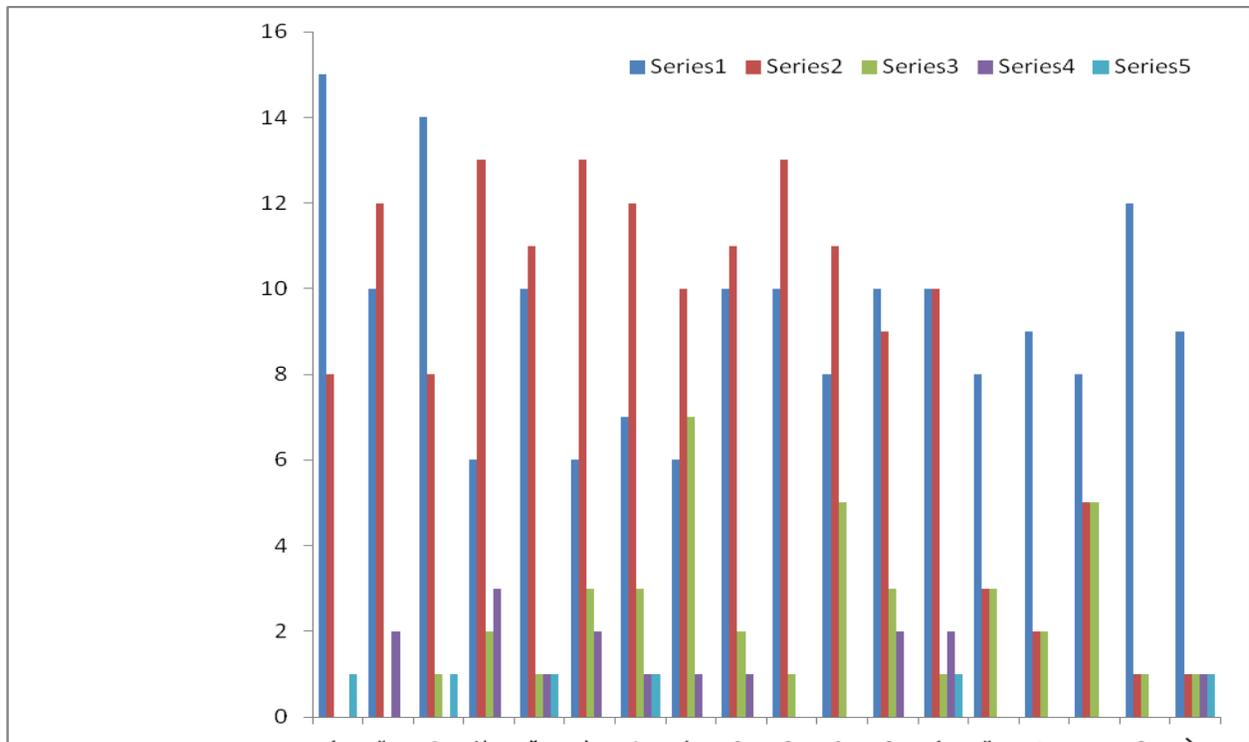


Fig. (ENT-503, Session Fall 2011-12)

begun and end on time during entire semester and other 36.36% simply agreed. 59% strongly agreed, 36% simply agreed and 5% uncertain that teacher was fair in examination without any gender discrimination or background biasness. 54.54% students strongly agreed that assignments were graded and returned in a reasonable time and remaining 45.45% simply agreed. 45% strongly agreed, 45% agreed and 9% uncertain about the welcoming attitude and availability of teacher after class timings. 50% students were strongly agreed that assignments and examination material was related to course whereas 40% simply agreed and 9% uncertain. 36% students strongly agreed and 64% simply agreed that the course was well up to date. About the course, 50% strongly agreed that the course was conducive and helped them in their knowledge enhancement while 45% simply agreed and remaining 5% uncertain about this aspect. 32% students strongly agreed, 55% simply agreed while 13% uncertain that the instructor displayed polite gesture and followed moral and ethical norms. 50% strongly agreed that class discussion stimulated intellectual curiosity, 45% simply agreed and other 5% uncertain. 55% students strongly agreed, 41% simply agreed and 4% uncertain about department encouragement on student feedback and respect.

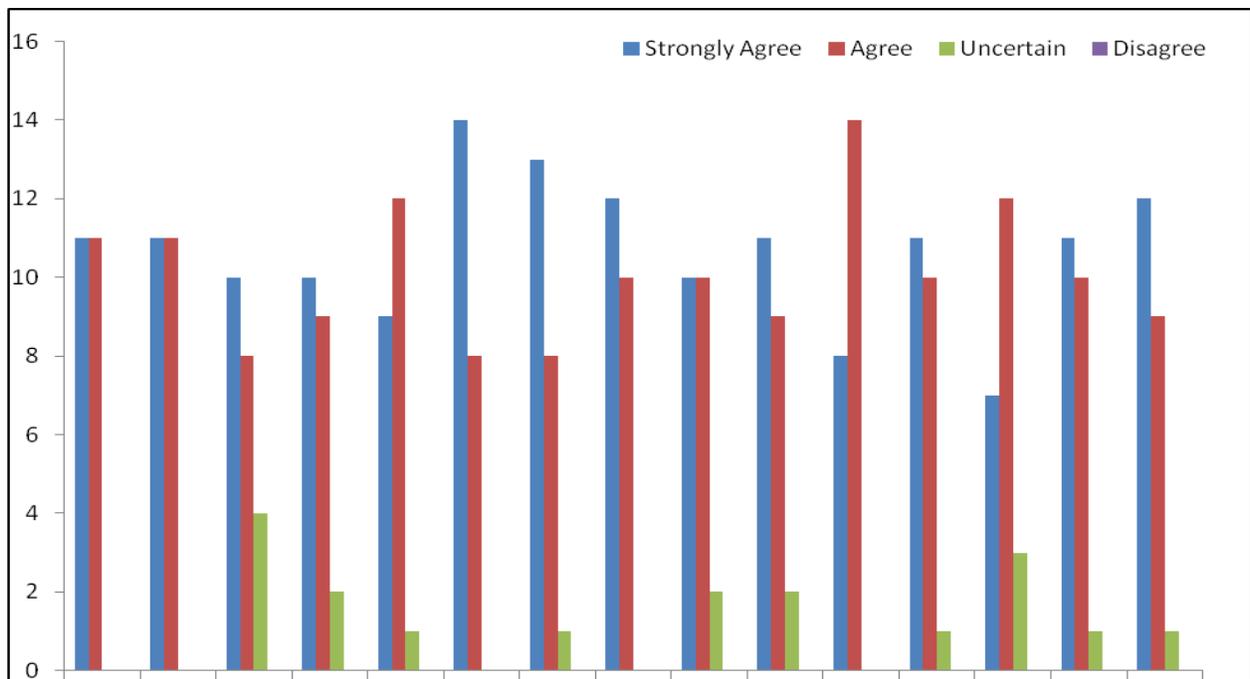


Fig. (ENT-608, Session spring 2012)

Teacher (Dr. Muhammad Asif Aziz) Evaluation on ENT-402, Session spring 2012:

79.41% students strongly agree that the instructor is prepared for each class. 41% students agreed whereas 55% simply agreed that he demonstrates knowledge on the subject. 53% students strongly agreed, 44% agreed, that their course was completely covered by the instructor. 52% student strongly agreed, 44% agreed that he provides additional material apart from the text. 32% are strongly agreeing, 55% agree and 11% were uncertain that he gave citations regarding current situations in reference to Pakistan. 41% strongly agree, 55% agreed, and 2.9% were uncertain that the instructor communicates the subject matter every effectively. 44% were strongly agreed, 47% agree and 8% were disagreeing that the instructor has shown respect shown towards the students and encouraging class participation. 58% were strongly agreed and 32% agreed that the instructor is very punctual. 64 % were strongly agreed, 29% agreed that the instructor is fair in examination. 55% were strongly agreed, 38% agreed and 5% were uncertain assignments were graded and returned in a reasonable time. 64% students strongly agree, 32% agreed that the instructor was available during the specified office hours and for after class consultation. 52% were strongly agreed, 38% agreed the assignments and exams covered the materials presented in the course. 67% students strongly agreed and 23% simply agreed and 8.8% were uncertain that the syllabus clearly states course objectives requirements, procedures and grading criterion. 32% students strongly agreed whereas 64% are agreed that the subject

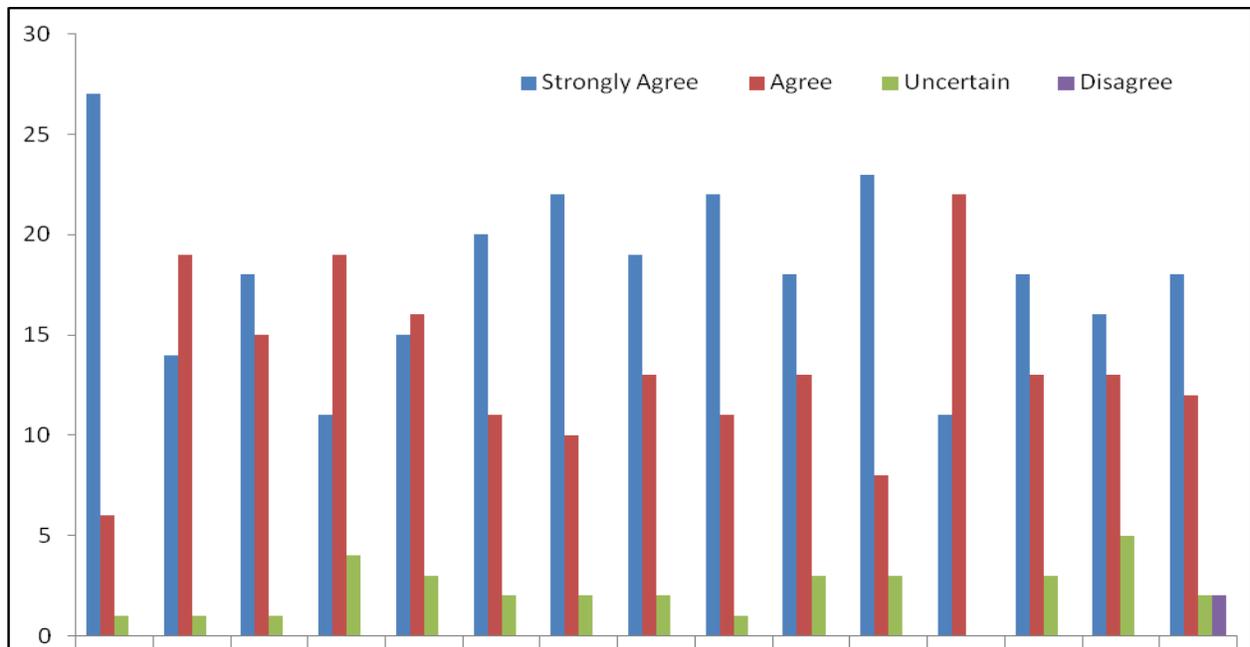


Fig. (ENT-402, Session spring 2012)

matter significantly increased students' knowledge. 52% are strongly agreed and 38% agreed, and 8% disagreed that display of polite gesture and follow of moral and ethical norms. 47% strongly agreed and 32% agreed and 14% strongly disagreed that the discussion in class stimulated intellectual curiosity. 52% strongly agreed and 35% agreed and 5% strongly disagreed that the department encourages student's feedback and respects evaluation.

Teacher (Dr. Asim Gulzar) Evaluation on ENT-602, Session spring 2012:

47% students strongly agree that the instructor is prepared for each class and he demonstrate knowledge on subject whereas 52% agreed. 47% students were strongly agreed that their course was completely covered by the instructor whereas 52% students agreed. 60% were strongly agreeing and 39% agree that he gave course contents relevant to Pakistan perspective highlighted. 47% strongly agree, that the instructor communicates the subject matter every effectively while 52% simply agreed. 60% students strongly agreed and 39% students agreed that he encouraged class participation. 56% students were strongly agreed and 43% students simply agreed that class began and ended on time examination been fair without any gender or ethnical background bias. 56% students were strongly agreed, 39% agreed and 4% uncertain that assignments were graded and returned in a reasonable time. 56% students strongly agree, 43% agreed that the instructor was available during the specified office hours and welcoming attitude for after class consultation. 56% were strongly agreed and 43% agreed that his assignments and.

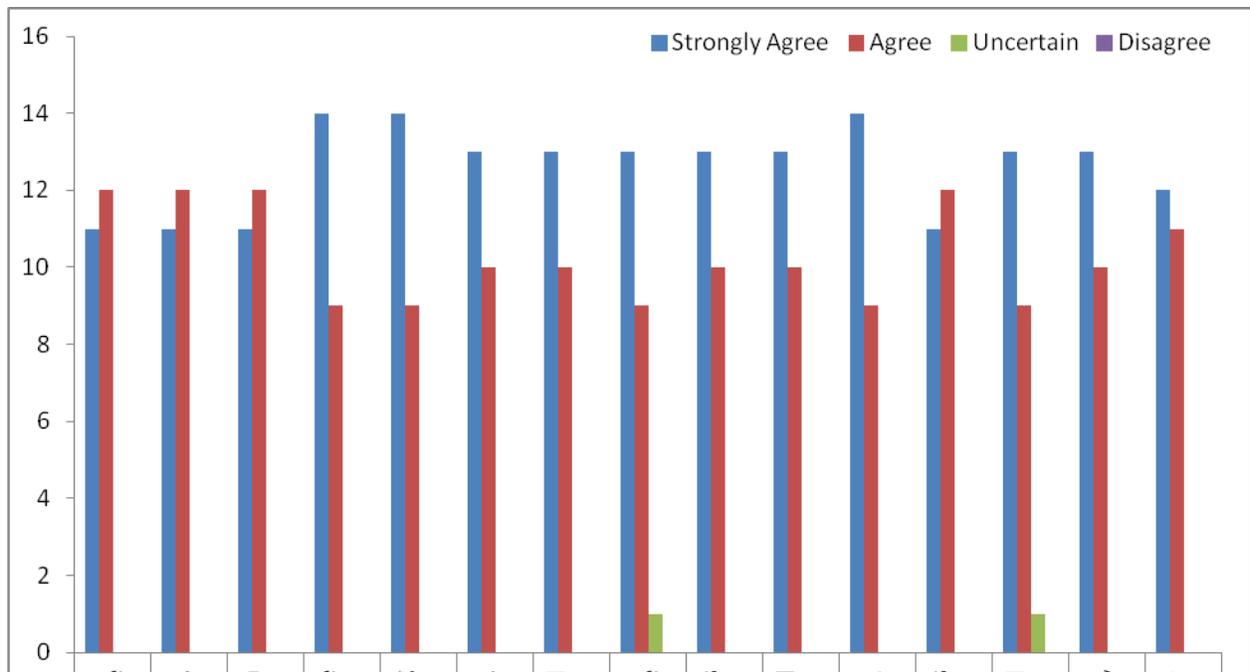


Fig. (ENT-602, Session spring 2012)

exams covered the material presented in the course. 60% strongly agreed and 39% agreed that the course material is modern and updated. 47 % students were strongly agreed and 52% agreed that the subject matter presented in the course has increased their knowledge on the subject. 56% students strongly agreed, 39% agreed and 4% uncertain that he display polite gesture and follow moral and ethical norms. 56% students were strongly agreed and 43 % students agreed that class discussion stimulated intellectual curiosity. 52% students strongly agreed and 47% students agreed that department encourages student’s feedback and respects evaluation

Teacher (Dr. Muhammad Asif Aziz) evaluation on ENT-506 session spring 2012:

74% students strongly agree, 26% simple agreed that the instructor is prepared for each class. 78% students strongly agreed whereas 22% simply agreed that he demonstrates knowledge on the subject effectively. 65% students strongly agreed, 26% agreed, 4% are uncertain and 4% disagreed that their course was completely covered by the instructor. 57% are strongly agreeing, 35% agree and 4% were uncertain whereas 4% disagreed that he gave citations regarding current situations in reference to Pakistan. 78% strongly agree, 13% agreed, and 4% were uncertain that the instructor encourages class students to participate by inviting questions. 65% were strongly agreed, 30% agree and 4% were disagreeing that the Class begun and ended on time during the semester. 65% students strongly agreed, 30% agreed and 4 % were uncertain that the examination been were without any gender or ethnical background bias. 74% were strongly

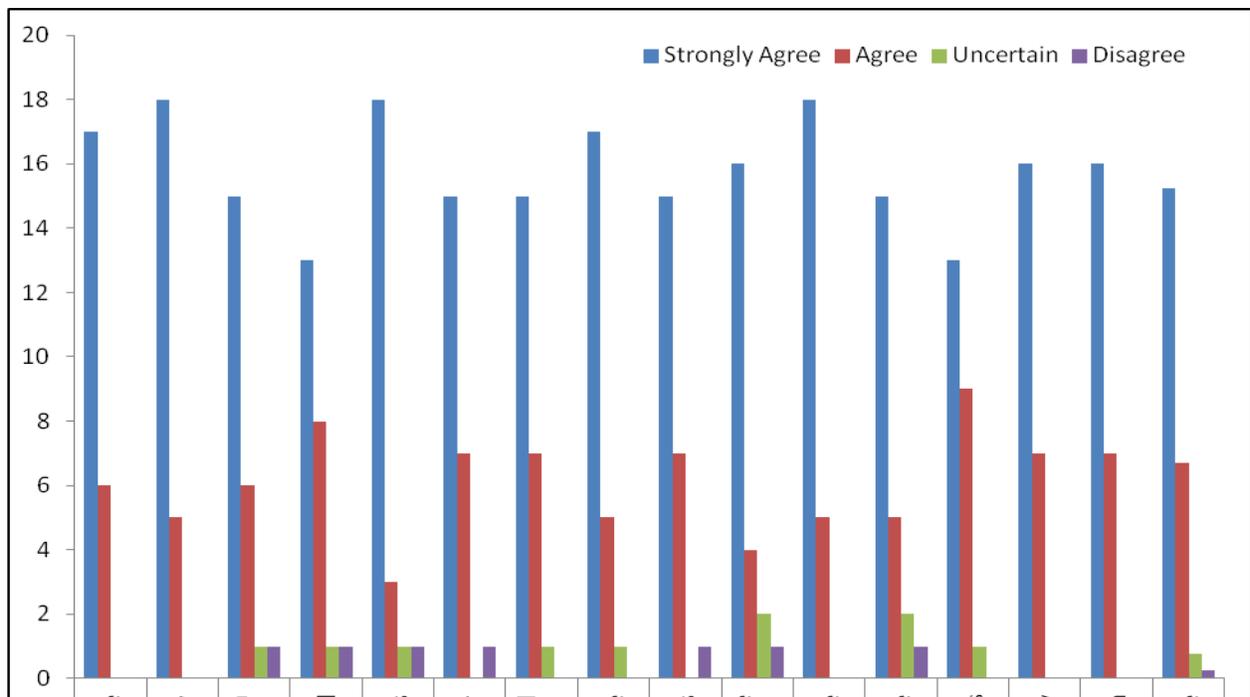


Fig. (ENT-506 session spring 2012)

agreed and 22% agreed and 4 % were uncertain that the assignments were graded and returned in a reasonable time. 65% strongly agree and 30% agree and 4% were uncertain about the instructor's availability and welcoming attitude for after class consultations. 70 % were strongly agreed, 17% agreed, 9% were uncertain and 4% disagree that the assignments and exams covered the materials presented in the course. 78% were strongly agreed and 22% agreed that the course material was well up to date. 65% students strongly agree, 22% agreed, 9% were uncertain and 4% disagreed that subject matter presented in the course has increased their knowledge on the subject. 57% were strongly agreed, 39% agreed and 4% were uncertain about the display of polite gesture and follow of moral and ethical norms. 70% students strongly agreed and 30% simply agreed that the class discussion stimulated intellectual curiosity. 70% students strongly agreed whereas 30% are agreed that the department encourages student's feedback and respects evaluation. 65% are strongly agreed and 30% agreed, and 4% were uncertain that instructor is prepared for each class and delivery of knowledge.

Teacher (Dr. Farooq Nasir) evaluation on ENT-504 session spring 2012:

80% students strongly agree and 19% agreed that the instructor is prepared for each class. 61% students strongly agreed and 38% agreed that he demonstrates knowledge on the subject. 71% students strongly agreed, 28% agreed, that their course was completely covered by the instructor.

61% student strongly agreed and 38% agreed that he completed the course within due detail of particular subject. 47% are strongly agreeing, 47% agree and 4.7% were uncertain regarding participation of students by asking question. 71% strongly agree, 28% agreed that the instructor begun and ended class on time. 66% were strongly agreed and 33% agree that the instructor has been fair in examination. 57% students strongly agreed and 42% agreed that the instructor graded and returned assignments in due time. 57% were strongly agreed, 38% agreed and 4.7% uncertain that the instructor is available after class consultations. 52% strongly agree, 42% agree and 4.7% uncertain that exams and assignments covered the material presented in course. 61 % were strongly agreed, 33% agreed and 4.7% uncertain that the instructor has given up to date material for course. 71% were strongly agreed and 28% agreed that the subject matter increased knowledge of students. 66% students strongly agree, 28% agreed and 4.7% uncertain that he displays polite gesture and follow ethical norms. 71% were strongly agreed, 28% agreed that the class discussion stimulated intellectual curiosity. 66% students strongly agreed, 23% simply agreed and 9% were uncertain that the department encourages student’s feedback and respects evaluation.

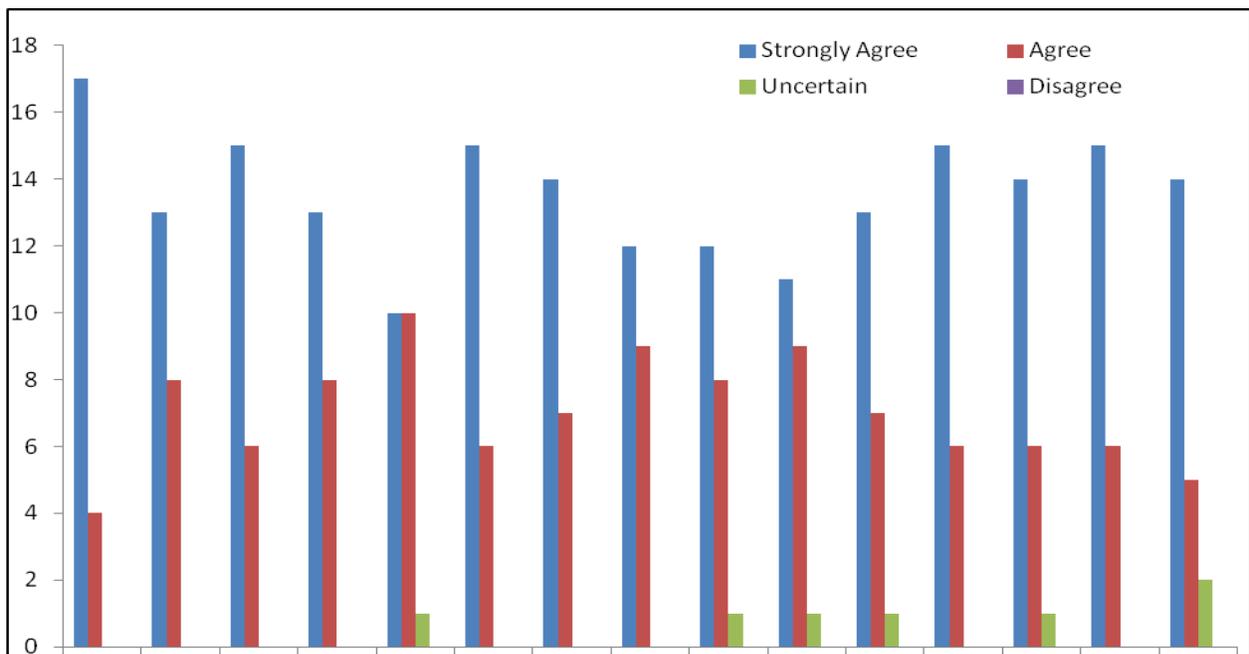


Fig. (ENT-504 session spring 2012)

Students Course Evaluation

Courses taught by all the teachers at department level were also evaluated the concerned students using Proforma 1.

Bar Graphs Showing Student Course Evaluation

Session Fall 2010-11

ENT-401:

72% students were strongly agreed, 20% agreed and 8% uncertain that course objective was clear. 84% students were strongly agreed, 12% agreed and 4% uncertain that The Course workload was manageable. 76% students were strongly agreed that The Course was well organized while remaining 16% were simply agreed, 4% uncertain and 4% disagree. 24% students were simply dis agreed and 76% students strongly disagreed that approximate level of their own attendance during the whole Course. 52% students were strongly agreed, 32 % agreed, 12% uncertain and 4% strongly disagreed that they actively participate in the class. 52% students were strongly agreed, 44% agreed, 4% simply disagree that they have made progress in this course. 64% students were strongly agreed, 16% agreed, 12% uncertain and 8% simply disagreed that the Course was well structured to achieve the learning outcomes. 76% students were strongly agreed, 20% agreed and 4% simply disagreed that the learning and teaching methods encouraged participation. 84% students were strongly agreed, 16% agreed that the overall environment in the class was conducive to learning. 64% students were strongly agreed, 24% agreed, 8% uncertain and 4% strongly disagree that Classrooms were satisfactory. 88% students were strongly agreed and 12% agreed that Learning materials were relevant and useful. 60% students were strongly agreed, 28% agreed, 4% simply disagree and 8% strongly disagreed that recommended reading books etc. were relevant and appropriate. 76% students were strongly agreed and 24% agreed that the provision of learning resources in the library was adequate and appropriate. 52% students were strongly agreed, 20% agreed, 8% uncertain, 12% simply disagree and 8% strongly disagree that the provision of learning resources on the web was adequate and appropriate. 64% students were strongly agreed, 24% agreed, 12% uncertain that the course stimulated by interest and thought on the subject area. 48% students were strongly agreed, 40% agreed, 4% uncertain and 8% disagreed that the pace of the course was appropriate. 56% students were strongly agreed, 28% agreed and 16% disagreed that Idea and concepts were.

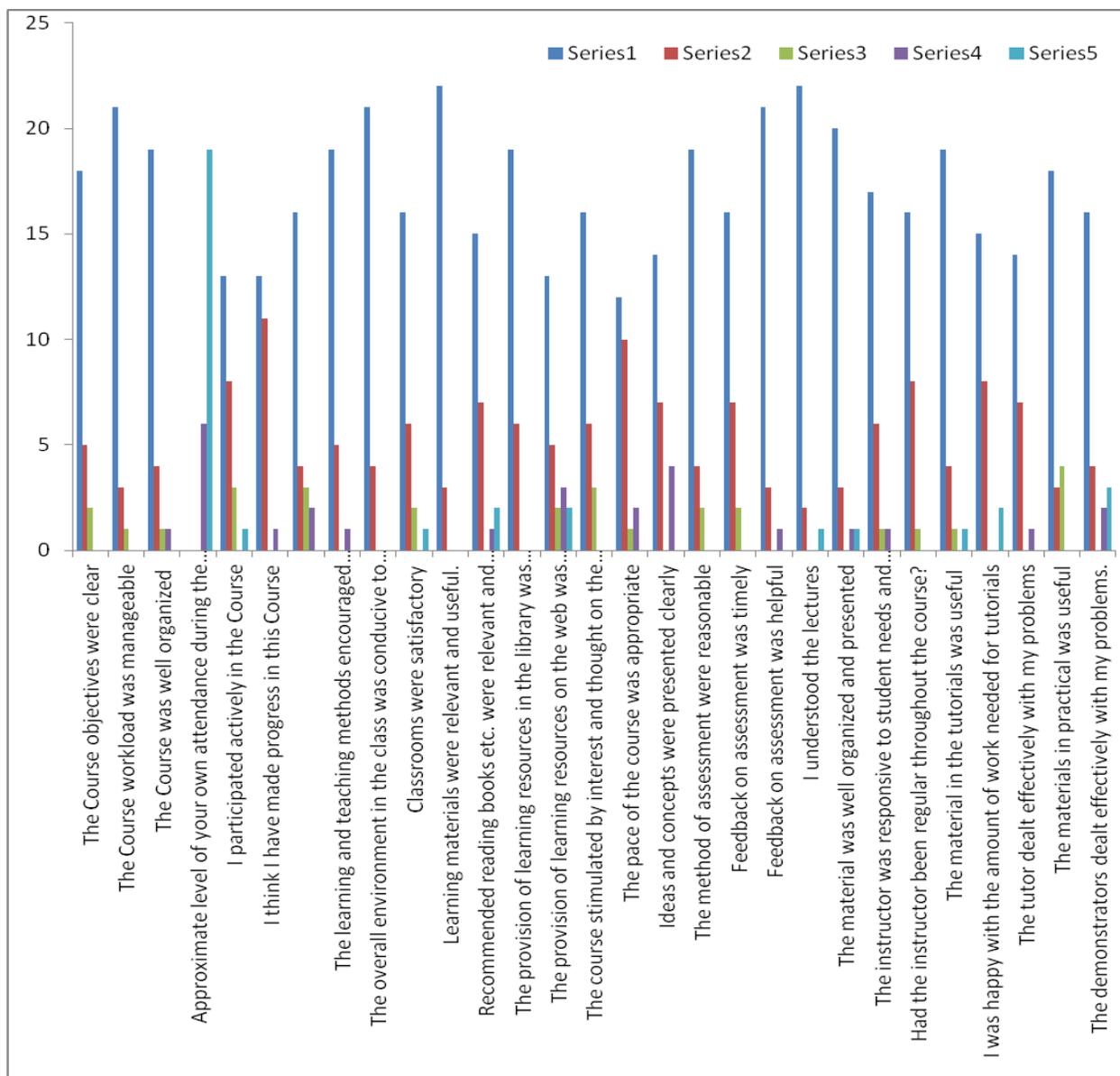


Fig. (ENT-401)

presented clearly. 76% students were strongly agreed, 16% agreed and 8% uncertain that the method of assessment were reasonable. 64% students were strongly agreed, 28% agreed, 8% uncertain that Feedback on assessment was timely. 84% students were strongly agreed, 12% agreed, 4% disagree that Feedback on assessment was helpful. 88% students were strongly agreed, 8% agreed and 4% strongly disagreed that they understood the lectures. 80% students were strongly agreed, 12% agreed, 4% disagree and 4% strongly disagreed that the material was well organized and presented. 68% students were strongly agreed and 24% agreed, 4% uncertain, 4% disagreed that the instructor was responsive to student needs and problems. 64% students

were strongly agreed, 32% agreed, and 4% uncertain that the material in the tutorials was useful. 76% students were strongly agreed, 16% agreed, 4% uncertain, 4% strongly disagreed that they were happy with the amount of work needed for tutorials. 60% students were strongly agreed, 32% agreed, 8% strongly disagreed that the tutor dealt effectively with my problems. 56% students were strongly agreed, 28% agreed, 4% disagreed that the materials in practical was useful. 72% students were strongly agreed, 12% agreed, 16% uncertain that the demonstrators dealt effectively with my problems.

ENT-503: Objective was clear. 36% students were strongly agreed, 50% agreed, 13% disagree that The Course workload was manageable. 54% students were strongly agreed that The Course was well organized while remaining 31% were simply agreed, 9% strongly disagree. 13% students were strongly agreed, 72% students agreed, 4% students uncertain and 9% disagreed that approximate level of their own attendance during the whole Course. 54% students were strongly agreed, 36% agreed, 4% uncertain and 4% strongly disagreed that they actively participate in the class. 45% students were strongly agreed, 45% agreed and 9% disagree that they have made progress in this course. 50% students were strongly agreed, 50% agreed that the Course was well structured to achieve the learning outcomes. 63% students were strongly agreed, 27% agreed, 4% uncertain and 4% strongly disagreed that the learning and teaching methods encouraged participation. 45% students were strongly agreed, 36% agreed, 13% disagree and 4% strongly disagreed that the overall environment in the class was conducive to learning. 27% students were strongly agreed, 45% agreed, 9% uncertain and 18% disagree that Classrooms were satisfactory. 31% students were strongly agreed, 54% agreed, 4% uncertain and 9% disagree that Learning materials were relevant and useful. 40% students were strongly agreed, 50% agreed, 4% uncertain and 4% strongly disagreed that recommended reading books etc. were relevant and appropriate. 50% students were strongly agreed, 31% agreed, 9% uncertain and 9% disagreed that the provision of learning resources in the library was adequate and appropriate. 27% students were strongly agreed, 59% agreed, 9% disagreed and 4% strongly disagree that the provision of learning resources on the web was adequate and appropriate. 13% students were strongly agreed, 63% agreed, 4% uncertain, 4% disagreed and 13% strongly disagree that The course stimulated by interest and thought on the subject area. 18% students were strongly agreed, 68% agreed, 13% uncertain that the pace of the course was appropriate. 45% students were strongly agreed, 50% agreed and 4% strongly disagreed that Idea and

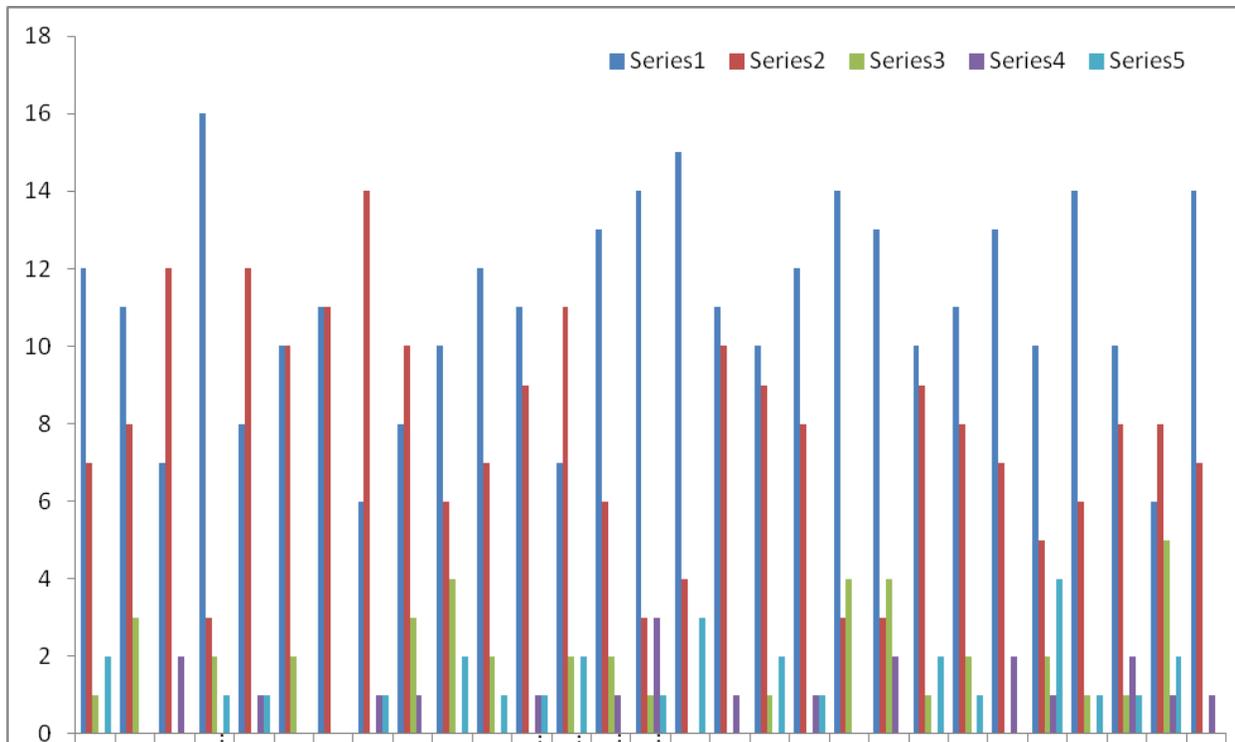


Fig. (ENT-503)

concepts were presented clearly. 40% students were strongly agreed, 45% agreed, 9% uncertain and 4% disagreed that the method of assessment were reasonable. 36% students were strongly agreed, 54% agreed, 4% uncertain and 4% strongly disagreed that Feedback on assessment was timely. 13% students were strongly agreed, 63% agreed and 18% disagree that Feedback on assessment was helpful. 13% students were strongly agreed, 59% agreed, 18% disagreed and 9% strongly disagreed that they understood the lectures. 36% students were strongly agreed, 50% agreed, 4% uncertain and 9% disagreed that the material was well organized and presented. 31% students were strongly agreed, 59% agreed and 9% strongly disagree that the instructor was responsive to student needs and problems. 22% students were strongly agreed, 45% agreed, 18% uncertain, 9% disagreed, 4% strongly disagreed that the material in the tutorials was useful. 27% students were strongly agreed, 63% agreed, 4% uncertain and 4% disagreed uncertain that they were happy with the amount of work needed for tutorials. 36% students were strongly agreed, 45% agreed, 4% uncertain, 4% disagree and 9% strongly disagreed that the tutor dealt effectively with my problems. 36% students were strongly agreed, 27% agreed, 9% uncertain and 22% disagreed and 4% strongly disagreed that the materials in practical was useful. 31% students

were strongly agreed, 63% agreed and 4% strongly disagreed that the demonstrators dealt effectively with my problems.

ENT-505:

54% students were strongly agreed, 31% agreed, 9% uncertain and 4% disagree that course objective was clear. 50% students were strongly agreed, 36% agreed, 13% disagree that The Course workload was manageable. 54% students were strongly agreed that The Course was well organized while remaining 31% were simply agreed, 9% strongly disagree. 72% students were strongly agreed, 13% students agreed, 4% students uncertain and 9% disagreed that approximate level of their own attendance during the whole Course. 36% students were strongly agreed, 54% agreed, 4% uncertain and 4% strongly disagreed that they actively participate in the class. 54% students were strongly agreed, 27% agreed, 45% uncertain, 9% disagree, and 4% strongly disagree that they have made progress in this course. 45% students were strongly agreed, 36% agreed, 9% uncertain and 9% strongly disagreed that the Course was well structured to achieve the learning outcomes. 72% students were strongly agreed, 18% agreed, 4% uncertain and 4% strongly disagreed that The learning and teaching methods encouraged participation. 36% students were strongly agreed, 45% agreed, 13% disagree and 4% strongly disagreed that the overall environment in the class was conducive to learning. 45% students were strongly agreed, 27% agreed, 18% uncertain and 9% disagree that Classrooms were satisfactory. 54% students were strongly agreed, 36% agreed, 9% uncertain that Learning materials were relevant and useful. 59% students were strongly agreed, 31% agreed, 4% disagreed and 4% strongly disagreed that recommended reading books etc. were relevant and appropriate. 36% students were strongly agreed, 45% agreed, 4% uncertain, 9% disagreed, 45% strongly disagreed that the provision of learning resources in the library was adequate and appropriate. 59% students were strongly agreed, 22% agreed, 9% uncertain and 4% strongly disagree that the provision of learning resources on the web was adequate and appropriate. 13% students were strongly agreed, 63% agreed, 4% uncertain, 4% disagreed and 13% strongly disagree that The course stimulated by interest and thought on the subject area. 68% students were strongly agreed, 18% agreed, 4% uncertain, 9% strongly disagreed that the pace of the course was appropriate. 54% students were strongly agreed, 40% agreed and 4% disagreed that Ideas and concepts were presented clearly. 50% students were strongly agreed, 36% agreed, 4% uncertain and 4% disagreed, 9% strongly disagreed that the method of assessment were reasonable. 54% students were strongly agreed,

40% agreed, 4% uncertain that Feedback on assessment was timely. 36% students were strongly agreed, 31% agreed and 4% disagree that Feedback on assessment was helpful. 59% students were strongly agreed, 13% agreed, 95 uncertain, 13% disagreed and 4% strongly disagreed that they understood the lectures. 50% students were strongly agreed, 45% agreed, 4% disagreed that the material was well organized and presented. 63% students were strongly agreed, 27% agreed, 4% disagreed and 4% disagree that the instructor was responsive to student needs and problems. 59% students were strongly agreed, 31% agreed, 4% disagreed, 4% strongly disagreed that The material in the tutorials was useful. 45% students were strongly agreed, 22% agreed, 18% uncertain, 9% disagreed, 45 strongly disagreed uncertain that they were happy with the amount of work needed for tutorials. 63% students were strongly agreed, 27% agreed, 4% uncertain, 4% disagree that the tutor dealt effectively with my problems. 50% students were strongly agreed, 31% agreed, 4% uncertain, 4% disagreed and 9% strongly disagreed that the materials in practical was useful. 45% students were strongly agreed, 31% agreed, 9% uncertain and 4% strongly disagreed that the demonstrators dealt effectively with my problems.

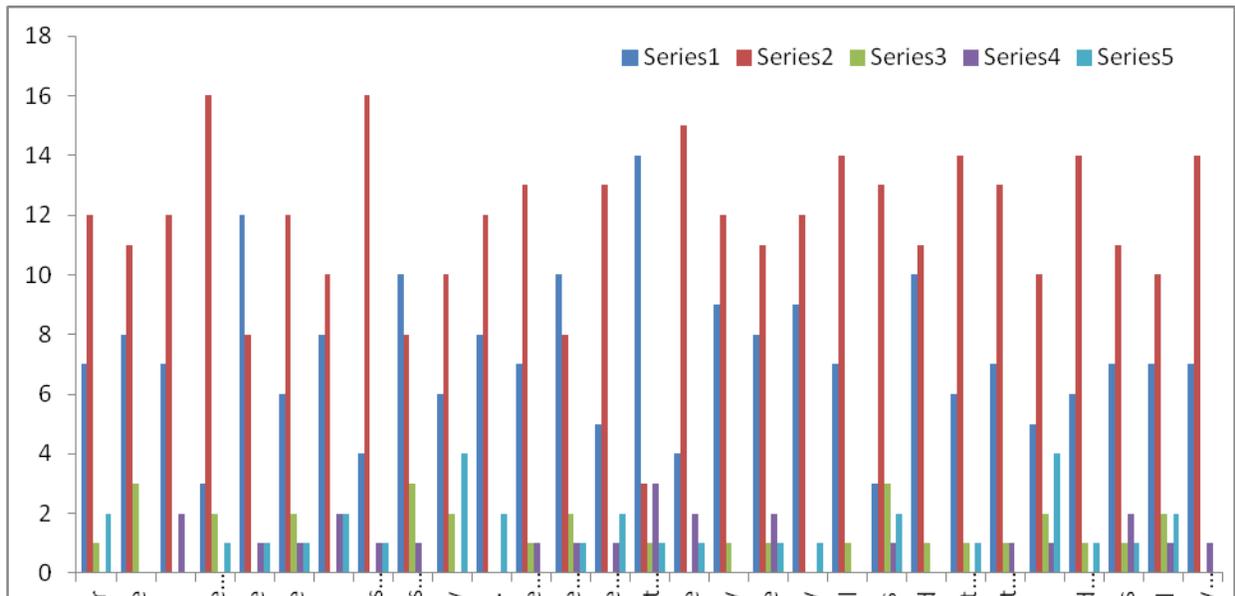


Fig. (ENT-505)

ENT-601: 55% students were strongly agreed, 36% agreed, 5% uncertain and 5% strongly disagree that course objective was clear. 64% students were strongly agreed, 27% agreed and 9% disagree that The Course workload was manageable. 50% students were strongly agreed that The Course was well organized while remaining 41%, 5% and 4% were simply agreed, disagree and strongly disagree respectively. 59% students were strongly agreed, 41% students agreed, 9%

uncertain and 5% students disagreed that approximate level of their own attendance during the whole Course. 45% students were strongly agreed, 41% agreed, 9% uncertain and 5% disagree that they actively participate in the class. 68% students were strongly agreed, 18% agreed, 9% disagree and 5% strongly disagree that they have made progress in this course. 64% students were strongly agreed, 27% agreed and 9% disagreed that the Course was well structured to achieve the learning outcomes. 55% students were strongly agreed, 27% agreed, 9% uncertain, 5% disagree and 4% strongly disagreed that the learning and teaching methods encouraged participation. 73% students were strongly agreed, 14% agreed, 5% uncertain and 9% disagreed that the overall environment in the class was conducive to learning. 45% students were strongly agreed, 36% agreed, 5% disagree and 9% strongly disagree that Classrooms were satisfactory. 64% students were strongly agreed, 27% agreed and 9% uncertain that Learning materials were relevant and useful. 59% students were strongly agreed, 32% agreed and 9% disagree that recommended reading books etc. were relevant and appropriate. 50% students were strongly agreed, 45% agreed and 5% strongly disagreed that the provision of learning resources in the library was adequate and appropriate. 64% students were strongly agreed, 27% agreed and 9% uncertain that the provision of learning resources on the web was adequate and appropriate. 68% students were strongly agreed, 23% agreed and 9% disagreed that the course stimulated by interest and thought on the subject area. 77% students were strongly agreed and 23% agreed that the pace of the course was appropriate. 73% students were strongly agreed, 18% agreed, 5% uncertain and 5% disagreed that idea and concepts were presented clearly. 50% students were strongly agreed, 18% agreed, 14% uncertain, 5% disagree and 5% strongly disagree that the method of assessment were reasonable. 86% students were strongly agreed and 14% agreed that Feedback on assessment was timely. 95% students were strongly agreed and 5% agreed that Feedback on assessment was helpful. 82% students were strongly agreed, 9% agreed and 9% strongly disagree that they understood the lectures. 73% students were strongly agreed, 14% agreed and 13% uncertain that the material was well organized and presented. 68% students were strongly agreed, 23% agreed and 9% strongly disagree that the instructor was responsive to student needs and problems. 50% strongly agreed, 14% agree and 36% uncertain that the instructor has been regular throughout the course. 45% students were strongly agreed, 41% agreed, 9% disagree and 5% strongly disagree that the material in the tutorials was useful. 55% students were strongly agreed, 9% agreed, 27% uncertain and 9% disagree that they were happy

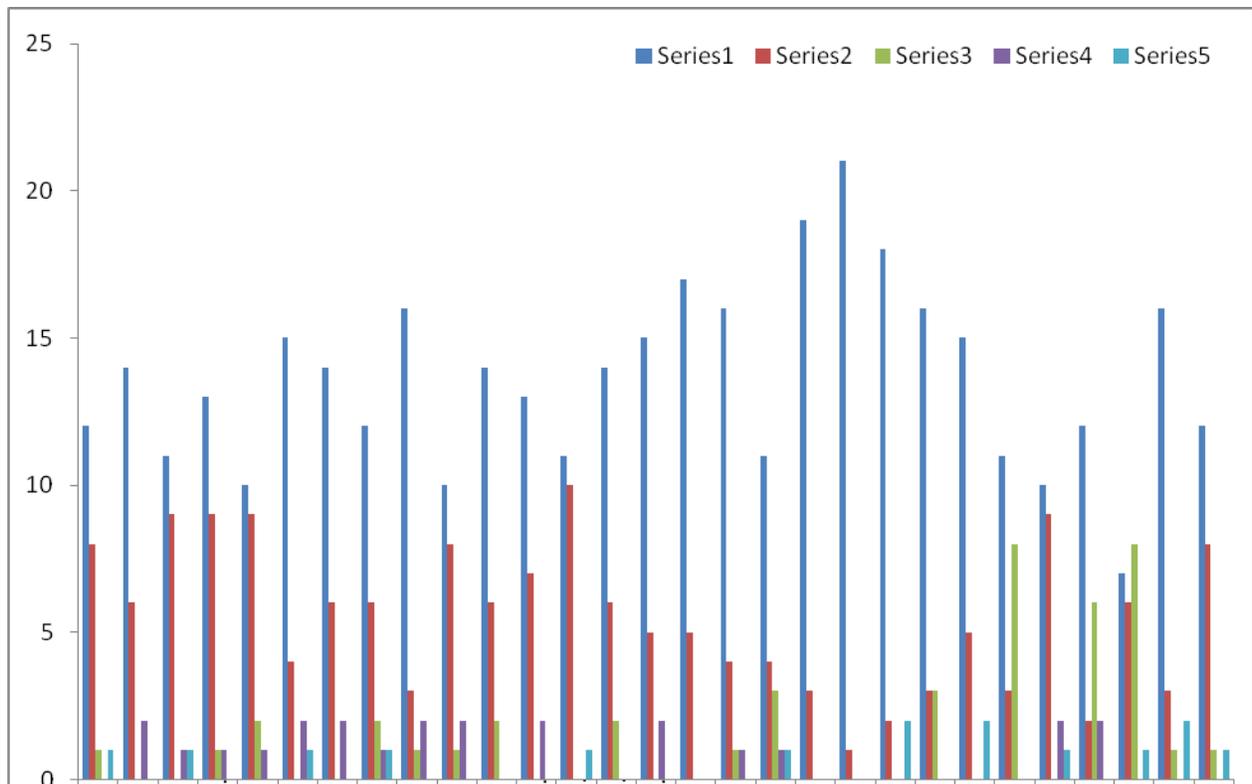


Fig. (ENT-601)

with the amount of work needed for tutorials. 32% students were strongly agreed, 27% agreed, 36% disagreed and 5% strongly disagree that the tutor dealt effectively with my problems. 73% students were strongly agreed, 14% agreed, 5% uncertain and 9% strongly disagree that the materials in practical was useful. 55% students were strongly agreed, 36% agreed, 5% uncertain and 4% strongly disagreed that the demonstrators dealt effectively with my problems.

ENT-507:

64% students were strongly agreed, 32% agreed, 5% uncertain and 5% disagree that course objective was clear. 82% students were strongly agreed and 18% agreed that The Course workload was manageable. 55% students were strongly agreed that The Course was well organized while remaining 32%, 5% and 9% were simply agreed, disagree and strongly disagree respectively. 82% students were strongly agreed, 14% students agreed and 6% students disagreed that approximate level of their own attendance during the whole Course. 55% students were strongly agreed, 27% agreed, 9% uncertain, 5% disagree and 5% strongly disagreed that they actively participate in the class. 64% students were strongly agreed, 18% agreed, 14% uncertain and 5% strongly disagree that they have made progress in this course. 45% students were

strongly agreed, 36% agreed, 9% uncertain and 9% strongly disagreed that the Course was well structured to achieve the learning outcomes. 73% students were strongly agreed, 18% agreed, 5% disagree and 5% strongly disagreed that the learning and teaching methods encouraged participation. 45% students were strongly agreed, 36% agreed, 14% uncertain and 5% disagreed that the overall environment in the class was conducive to learning. 68% students were strongly agreed, 23% agreed, 5% disagree and 4% strongly disagree that Classrooms were satisfactory. 64% students were strongly agreed, 32% agreed and 4% uncertain that Learning materials were relevant and useful. 73% students were strongly agreed, 18% agreed, 4% disagree and 4% strongly disagreed that recommended reading books etc. were relevant and appropriate. 50% students were strongly agreed, 32% agreed, 9% disagreed and 9% strongly disagreed that the provision of learning resources in the library was adequate and appropriate. 77% students were strongly agreed and 23% agreed that the provision of learning resources on the web was adequate and appropriate. 64% students were strongly agreed, 9% agreed, 18% uncertain and 9% disagreed that the course stimulated by interest and thought on the subject area. 68% students were strongly agreed, 18% agreed, 5% uncertain and 9% strongly disagreed that the pace of the course was appropriate. 45% students were strongly agreed, 50% agreed, and 5% disagreed that idea and concepts were presented clearly. 59% students were strongly agreed, 36% agreed and 5% uncertain that the method of assessment were reasonable. 55% students were strongly agreed, 41% agreed and 4% uncertain that Feedback on assessment was timely. 41% students were strongly agreed, 36% agreed, 13% disagree and 9% strongly disagree that Feedback on assessment was helpful. 45% students were strongly agreed, 36% agreed, 5% uncertain, 9% disagreed and 4% strongly disagree that they understood the lectures. 50% students were strongly agreed, 45% agreed and 5% disagreed that the material was well organized and presented. 64% students were strongly agreed, 27% agreed 4% uncertain and 4% disagree that the instructor was responsive to student needs and problems. 68% strongly agreed, 23% agree and 9% disagree that the instructor has been regular throughout the course. 23% students were strongly agreed, 45% agreed, 9% uncertain, 18% disagree and 4% strongly disagree that the material in the tutorials was useful. 64% students were strongly agreed, 27% agreed, 4% uncertain and 4% disagree that they were happy with the amount of work needed for tutorials. 59% students were strongly agreed, 27% agreed, 9% disagreed and 4% strongly disagree that the tutor dealt effectively with my problems. 45% students were strongly agreed, 32% agreed, 9%

uncertain, 9% disagreed and 4% strongly disagree that the materials in practical was useful. 64% students were strongly agreed, 32% agreed and 4% strongly disagreed that the demonstrators dealt effectively with my problems.

ENT-604:

81% students were strongly agreed, 13% agreed and 4% disagree that course objective was clear. 81% students were strongly agreed, 18% agreed and that The Course workload was manageable. 54% students were strongly agreed that The Course was well organized while remaining 31% were simply agreed, 4% disagree and 9% strongly disagreed. 63% students were strongly agreed, 31% students agreed, 4% students uncertain and 4% disagreed that approximate level of their own attendance during the whole Course. 54% students were strongly agreed, 27 % agreed, 9% uncertain, 4% disagree and 4% strongly disagreed that they actively participate in the class. 63% students were strongly agreed, 18% agreed, 13% uncertain and 4% strongly disagree that they have made progress in this course. 68% students were strongly agreed, 22% agreed, 4% disagree

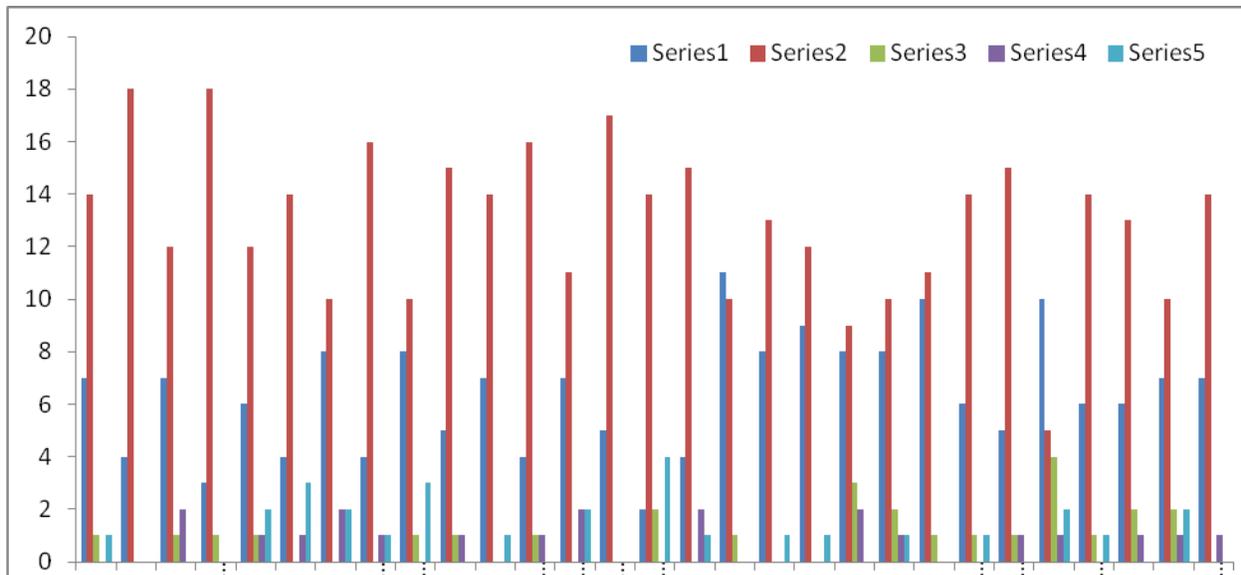


Fig. (ENT-507)

and 4% strongly disagreed that the Course was well structured to achieve the learning outcomes. 72% students were strongly agreed, 18% agreed, 4% uncertain and 4% strongly disagreed that the learning and teaching methods encouraged participation. 45% students were strongly agreed, 36% agreed, 13% uncertain and 4% disagreed that the overall environment in the class was conducive to learning. 45% students were strongly agreed, 36% agreed, 9% uncertain and 9% strongly disagree that Classrooms were satisfactory. 63% students were strongly agreed and 31%

agreed, 4% uncertain that Learning materials were relevant and useful. 77% students were strongly agreed, 22% agreed that recommended reading books etc. were relevant and appropriate. 50% students were strongly agreed, 31% agreed, 9% uncertain and 9% strongly disagreed that the provision of learning resources in the library was adequate and appropriate. 72% students were strongly agreed, 18% agreed, 4% disagree and 4% strongly disagree that the provision of learning resources on the web was adequate and appropriate. 63% students were strongly agreed, 9% agreed, 18% uncertain and 9% disagreed that The course stimulated by interest and thought on the subject area. 59% students were strongly agreed, 36% agreed and 4% uncertain that the pace of the course was appropriate. 45% students were strongly agreed, 50% agreed and 4% disagreed that Idea and concepts were presented clearly. 68% students were strongly agreed, 18% agreed and 4% uncertain that the method of assessment were reasonable. 54% students were strongly agreed, 40% agreed and 4% uncertain that Feedback on assessment was timely. 40% students were strongly agreed, 36% agreed, 13% disagree and 9% strongly disagree that Feedback on assessment was helpful. 63% students were strongly agreed, 27% agreed, 4% uncertain and 4% disagreed that they understood the lectures. 50% students were strongly agreed and 4% disagreed that the material was well organized and presented. 45% students were strongly agreed, 36% agreed, 4% uncertain, 9% disagree and 4% strongly disagree that the instructor was responsive to student needs and problems. 68% students were strongly agreed, 27% agreed, 4% disagree and 4% strongly disagree that the material in the tutorials was useful. 63% students were strongly agreed, 27% agreed, 4% uncertain and 4% disagree that they were happy with the amount of work needed for tutorials. 22% students were strongly agreed, 45% agreed, 9% uncertain, 18% disagreed and 4% strongly agree that the tutor dealt effectively with my problems. 63% students were strongly agreed, 31% agreed and 4% strongly disagreed that the materials in practical was useful. 45% students were strongly agreed, 31% agree, 9% uncertain, 9% disagree and 4% strongly disagreed that the demonstrators dealt effectively with my problems.

ENT-605:

45% strongly agreed and 35% agreed that the course objectives were clear. 75% students strongly agreed, 15% agreed and 5% disagreed and 5% strongly disagreed on the course work load. 60% students strongly agreed, 30% agreed, 10% were disagreed that the course was well organized. 60% were strongly agreed, 40% were agreed, 10% were uncertain on approximate

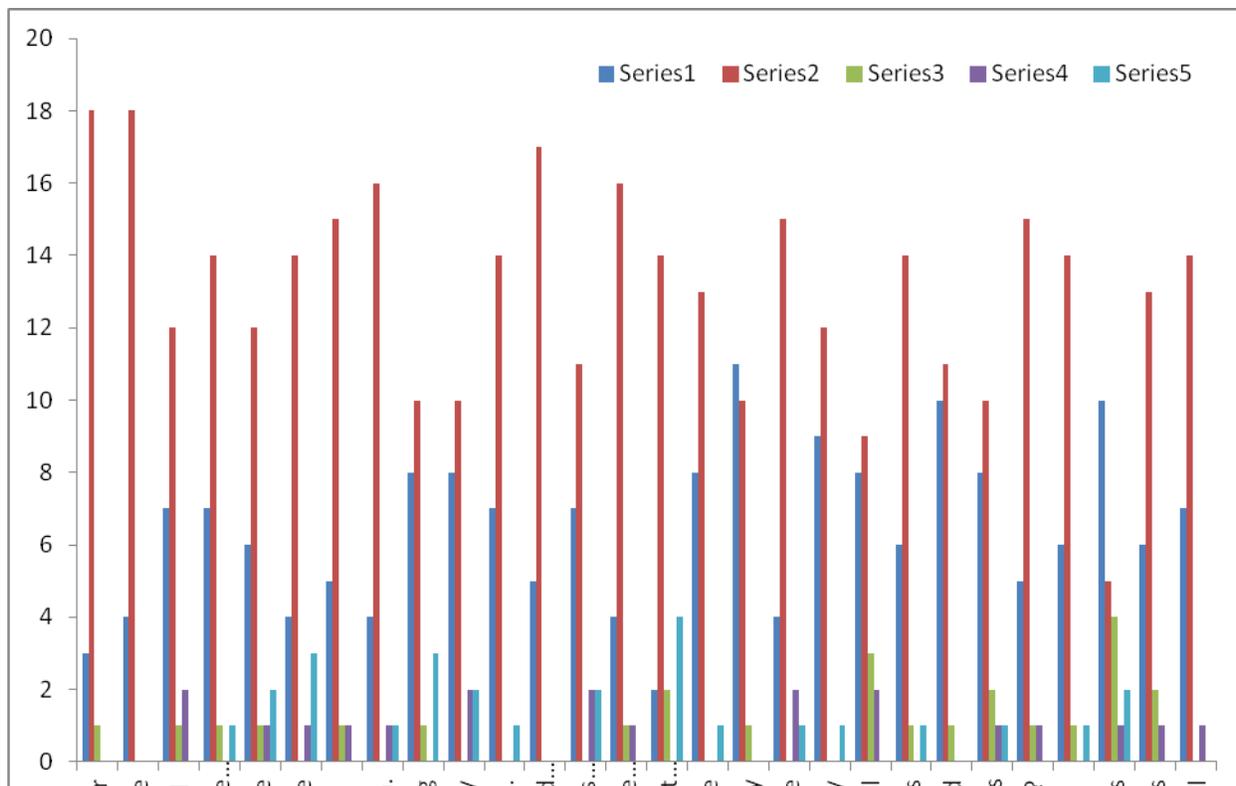


Fig. (ENT-604)

level of their own attendance. 45% students strongly agreed, 35% agreed and 15% were uncertain and 5% were disagreed and 5% were strongly disagreed that they participated actively in this course. 55% students strongly agreed, 20% agreed and 10% were disagreed and 5% were strongly disagreed that they have made progress in this course. 90% students strongly agreed, 10% agreed that the course was well constructed to achieve the learning outcomes. 100% strongly agreed that the learning and teaching methods encouraged participation. 80% students strongly agreed, 15% were agreed, 5% were uncertain that overall environment in the class was conducive to learning. 50% students strongly agreed, 30% agreed, 10% were disagreed and 5% were strongly disagreed that the classrooms were satisfactory. 70% students strongly agreed, 30% agreed that the learning materials were relevant and useful. 65% students strongly agreed, 25% agreed, 5% were uncertain, 5% disagreed that the recommended books were relevant. 55% students strongly agreed, 40% agreed on the provision of learning resources in the library. 70% students strongly agreed, 25% agreed, 5% were strongly disagreed on the provision of learning resources on the web. 65% students strongly agreed, 30% agreed and 10% were uncertain that the course stimulated interest and thought on the subject area. 55% students strongly agreed and

15% agreed, 5% were uncertain and 10% were disagreed that the pace of the course was appropriate. 80% strongly agreed, 10% agreed, 10% were uncertain on ideas and concepts clarity. 55% students strongly agreed, 20% agreed, 10% were uncertain, 5% were disagreed that the methods of assessment were reasonable. 65% strongly agreed, 15% agreed, 5% were uncertain, 15% were disagreed on feedback on assessment being timely. 95% strongly agreed, 5% were uncertain on assessments being helpful. 75% strongly agreed, 15% agreed, 5% were uncertain, 5% were disagreed that they understood the lectures. 85% strongly agreed, 5% agreed, 5% were strongly disagreed on the materials being well organized and well presented. 70% strongly agreed, 20% agreed, 10% were uncertain on instructor being responsive to student's needs and problems. 65% strongly agreed, 20% agreed, 5% were disagreed on the instructor being the regularity of the instructor. 50% strongly agreed, 45% agreed, 3% were uncertain on the materials being useful. 50% strongly agreed, 10% agreed whereas 5% were uncertain, 10% were disagreed on being happy the amount of work given in tutorials. 60% strongly agreed, 30% agreed, 5% were uncertain, 5% were strongly disagreed that the tutor dealt effectively with their problems. 80% strongly agreed, 15% agreed, 5% were uncertain on practical material being useful or not. 60% strongly agreed, 40% agreed on demonstrator being effective in dealing with their problems.

ENT-607:

90% strongly agreed and 10% agreed that the course objectives were clear. 75% students strongly agreed, 15% agreed and 10% uncertain on the course work load. 65% students strongly agreed, 30% agreed, 5% were disagreed that the course was well organized. 60% were strongly agreed, 40% were agreed on approximate level of their own attendance. 45% students strongly agreed, 35% agreed and 10% were uncertain and 5% were disagreed and 5% were strongly disagreed that they participated actively in this course. 75% students strongly agreed, 20% agreed and 5% were uncertain that they have made progress in this course. 80% students strongly agreed, 10% agreed and 10% were uncertain that the course was well constructed to achieve the learning outcomes. 100% strongly agreed that the learning and teaching methods encouraged participation. 80% students strongly agreed, 15% were agreed, 5% were strongly disagreed that overall environment in the class was conducive to learning. 50% students strongly agreed, 30% agreed, 5% were uncertain, 10% were disagreed and 5% were strongly disagreed that the classrooms were satisfactory. 70% students strongly agreed, 15% agreed, 5% were uncertain and

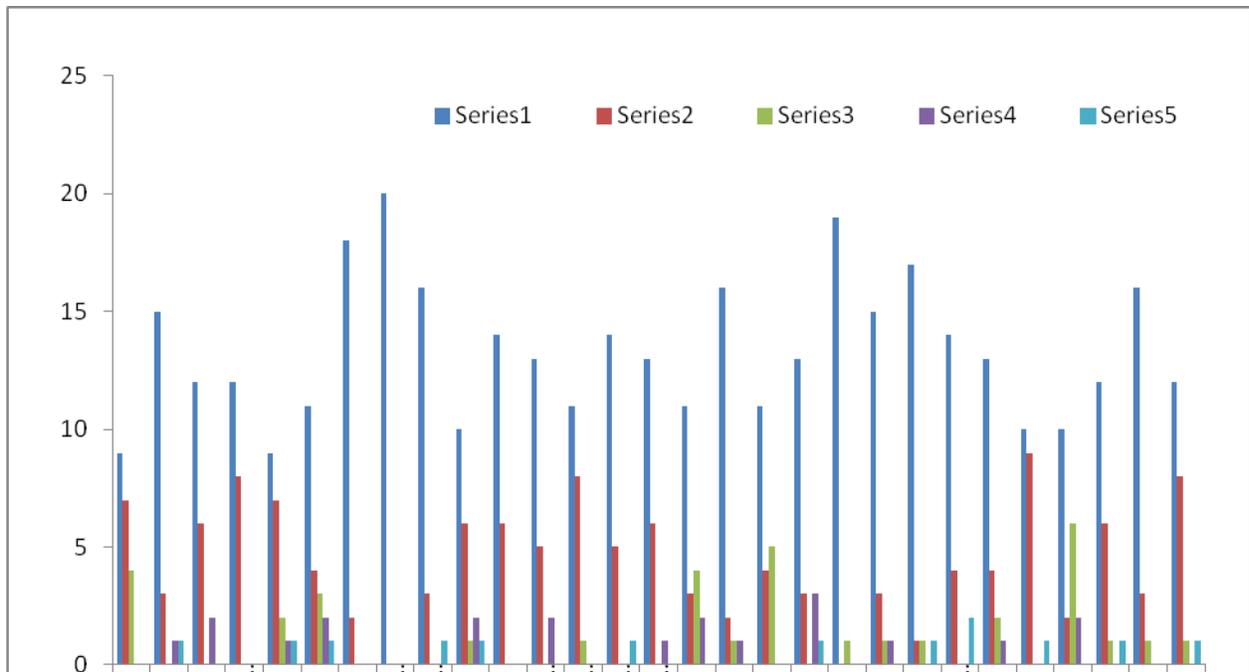


Fig. (ENT-605)

10% were strongly disagreed that the learning materials were relevant and useful. 55% students strongly agreed, 25% agreed, 5% were uncertain, 10% disagreed and 5% were strongly disagreed that the recommended books were relevant. 65% students strongly agreed, 30% agreed and 5% uncertain and 5% were strongly disagreed on the provision of learning resources in the library. 70% students strongly agreed, 25% agreed, 5% were strongly disagreed on the provision of learning resources on the web. 65% students strongly agreed, 30% agreed and 5% were disagreed that the course stimulated interest and thought on the subject area. 80% students strongly agreed and 10% agreed, 5% were uncertain and 5% were disagreed that the pace of the course was appropriate. 90% strongly agreed, 5% agreed, 5% were strongly disagreed on ideas and concepts clarity. 55% students strongly agreed, 20% agreed, 25% were uncertain that the methods of assessment were reasonable. 65% strongly agreed, 15% agreed, 15% were disagreed and 5% were strongly disagreed on feedback on assessment being timely. 95% strongly agreed, 5% were uncertain on assessments being helpful. 70% strongly agreed, 15% agreed, 5% were uncertain, 10% were disagreed that they understood the lectures. 80% strongly agreed, 5% agreed, 10% were uncertain and 5% were strongly disagreed on the materials being well organized and well presented. 65% strongly agreed, 25% agreed, 10% were strongly disagreed on instructor being responsive to student's needs and problems. 65% strongly agreed, 10%

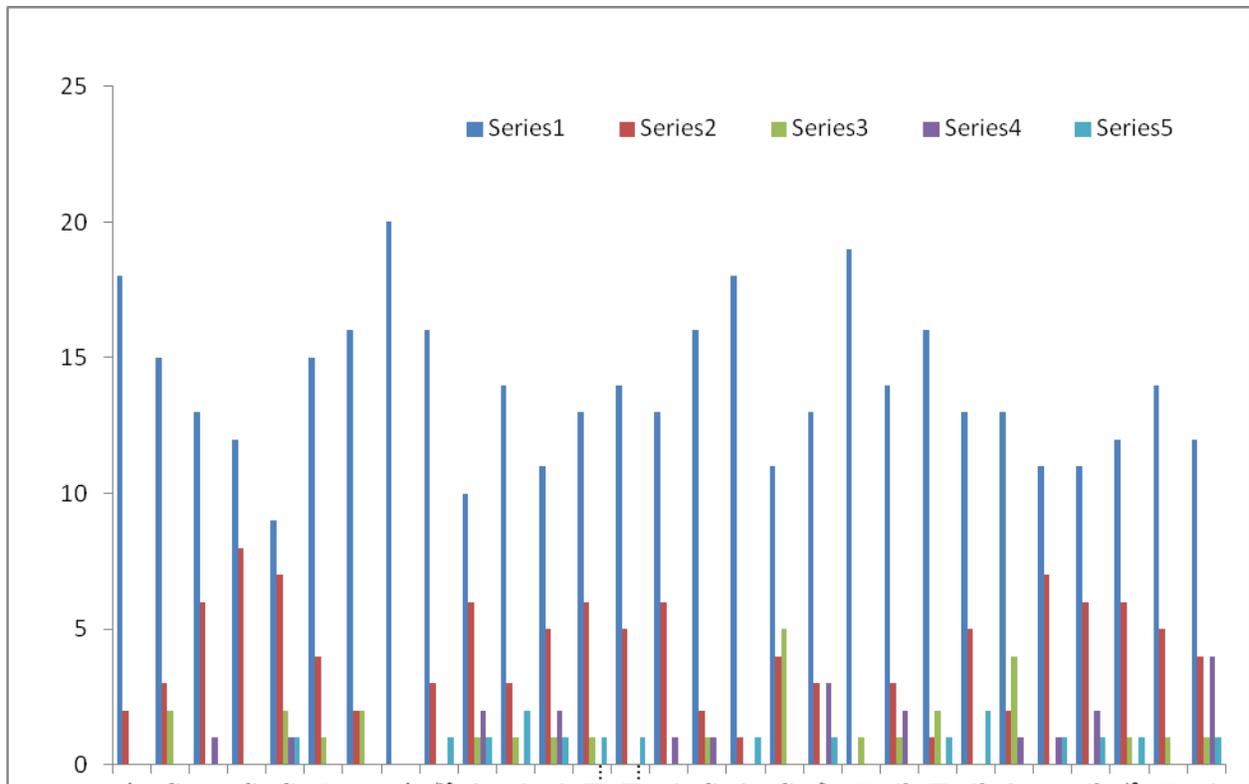


Fig. (ENT-607)

agreed, 20% were uncertain and 5% were disagreed on the instructor being the regularity of the instructor. 55% strongly agreed, 35% agreed, 5% were disagreed and 5% were strongly disagreed on the materials being useful. 55% strongly agreed, 30% agreed whereas 10% were disagreed and 5% were strongly disagreed on being happy the amount of work given in tutorials. 60% strongly agreed, 30% agreed, 5% were uncertain, 5% were disagreed that the tutor dealt effectively with their problems. 70% strongly agreed, 25% agreed, 5% were uncertain on practical material being useful or not. 60% strongly agreed, 20% agreed, 5% were uncertain and 15% were disagreed on demonstrator being effective in dealing with their problems.

ENT-609:

60% strongly agreed and 30% agreed and 10% were disagreed that the course objectives were clear. 75% students strongly agreed, 15% agreed and 5% disagreed and 5% strongly disagreed on the course work load. 90% students strongly agreed, 10% agreed that the course was well organized. 60% were strongly agreed, 40% were agreed on approximate level of their own attendance. 80% students strongly agreed, 15% agreed and 5% were strongly disagreed that they participated actively in this course. 55% students strongly agreed, 20% agreed and 15% were

uncertain, 10% were disagreed and 5% were strongly disagreed that they have made progress in this course. 45% students strongly agreed, 35% agreed, 10% were uncertain and 5% were disagreed and 5% were strongly disagreed that the course was well constructed to achieve the learning outcomes. 100% strongly agreed that the learning and teaching methods encouraged participation. 70% students strongly agreed, 30% were agreed that overall environment in the class was conducive to learning. 50% students strongly agreed, 30% agreed, 5% were uncertain, 5% were disagreed and 5% were strongly disagreed that the classrooms were satisfactory. 5% students strongly agreed, 40% agreed and 5% were uncertain that the learning materials were relevant and useful. 65% students strongly agreed, 25% agreed, 10% disagreed that the recommended books were relevant. 55% students strongly agreed, 15% agreed, 20% were uncertain and 10% were disagreed on the provision of learning resources in the library. 70% students strongly agreed, 25% agreed, 5% were strongly disagreed on the provision of learning resources on the web. 65% students strongly agreed, 30% agreed and 5% were disagreed that the course stimulated interest and thought on the subject area. 55% students strongly agreed and 20% agreed, 25% were uncertain that the pace of the course was appropriate. 65% strongly agreed, 15% agreed, 15% were uncertain and 5% were strongly disagreed on ideas and concepts clarity. 75% students strongly agreed, 15% agreed, 5% were uncertain, 5% were disagreed that the methods of assessment were reasonable. 85% strongly agreed, 5% agreed, 5% were uncertain, 5% were strongly disagreed on feedback on assessment being timely. 95% strongly agreed, 5% were uncertain on assessments being helpful. 75% strongly agreed, 15% agreed, 5% were uncertain, 5% were disagreed that they understood the lectures. 50% strongly agreed, 45% agreed, 5% were strongly disagreed on the materials being well organized and well presented. 60% strongly agreed, 40% agreed on instructor being responsive to student's needs and problems. 65% strongly agreed, 20% agreed, 10% were uncertain, and 5% were disagreed on the instructor being the regularity of the instructor. 80% strongly agreed, 15% agreed, 5% were uncertain on the materials being useful. 50% strongly agreed, 10% agreed whereas 30% were uncertain, 10% were disagreed on being happy the amount of work given in tutorials. 60% strongly agreed, 30% agreed, 5% were uncertain, 5% were strongly disagreed that the tutor dealt effectively with their problems. 70% strongly agreed, 20% agreed, 10% were strongly disagreed on practical material being useful or not. 60% strongly agreed, 40% agreed on demonstrator being effective in dealing with their problems.

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ENT-402:

34% strongly agreed and 66% agreed that the course objectives were clear. 21% students strongly agreed, 55% agreed and 17% uncertain, 3% disagreed and 3% strongly disagreed on the course work load. 41% students strongly agreed, 38% agreed, 14% were uncertain and 7% disagreed that the course was well organized. 3% were agreed, 7% were uncertain, 27% were disagreed and 62% were strongly disagreed on approximate level of their own attendance. 45% students strongly agreed, 31% agreed and 17% were uncertain and 7% were disagreed that they participated actively in this course. 31% students strongly agreed, 45% agreed and 13% were uncertain and 7% were disagreed that they have made progress in this course. 41% students strongly agreed, 48% agreed and 10% were uncertain that the course was well constructed to achieve the learning outcomes. 34% strongly agreed, 55% agreed, 7% were uncertain and 3%

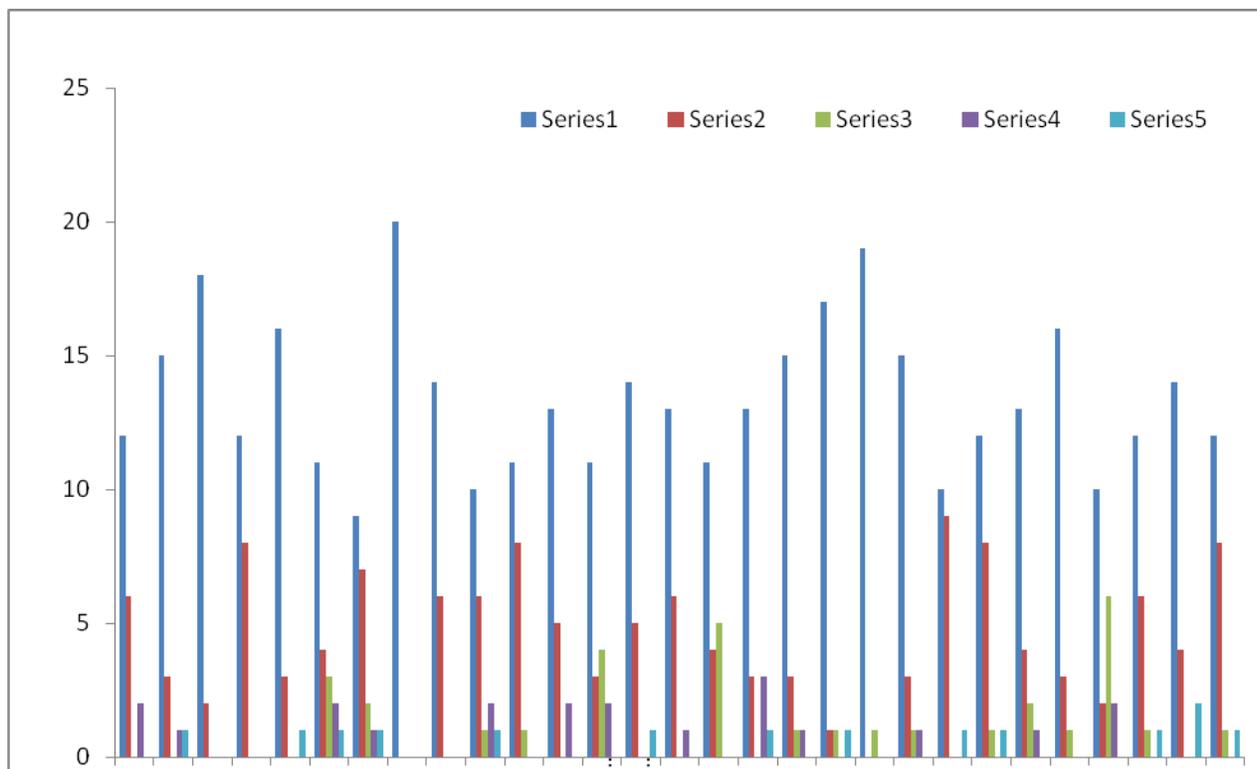


Fig. (ENT-609)

were disagreed that the learning and teaching methods encouraged participation. 27% students strongly agreed, 65% were agreed, 3% were uncertain and 3% were disagreed that overall

environment in the class was conducive to learning. 24% students strongly agreed, 34% agreed, 14% were uncertain, 14% were disagreed and 14% were strongly disagreed that the classrooms were satisfactory. 59% students strongly agreed, 41% agreed that the learning materials were relevant and useful. 24% students strongly agreed, 55% agreed, 17% were uncertain, 3% disagreed that the recommended books were relevant. 31% students strongly agreed, 31% agreed and 31% uncertain and 7% were disagreed on the provision of learning resources in the library. 34% students strongly agreed, 52% agreed, 10% were uncertain and 3% were disagreed on the provision of learning resources on the web. 27% students strongly agreed, 65% agreed and 3% were uncertain, 3% were disagreed that the course stimulated interest and thought on the subject area. 21% students strongly agreed and 62% agreed, 17% were uncertain that the pace of the course was appropriate. 24% strongly agreed, 62% agreed, 7% were uncertain, 7% were disagreed on ideas and concepts clarity. 24% students strongly agreed, 69% agreed, 3% were uncertain, 3% were disagreed that the methods of assessment were reasonable. 27% strongly agreed, 48% agreed, 17% were uncertain, 3% were disagreed and 3% were strongly disagreed on feedback on assessment being timely. 27% strongly agreed, 62% agreed, 7% were uncertain and 3% were strongly disagreed on assessments being helpful. 24% strongly agreed, 65% agreed, 7% were uncertain, 3% were disagreed that they understood the lectures. 45% strongly agreed, 51% agreed, 3% were uncertain on the materials being well organized and well presented. 38% strongly agreed, 45% agreed, 7% were uncertain, 3% were disagreed and 3% were strongly disagreed on instructor being responsive to student's needs and problems. 45% strongly agreed, 48% agreed, 7% were disagreed on the instructor being the regularity of the instructor. 21% strongly agreed, 38% agreed, 34% were uncertain, 7% were disagreed on the materials being useful. 21% strongly agreed, 27% agreed whereas 45% were uncertain, 7% were disagreed on being happy the amount of work given in tutorials. 24% strongly agreed, 41% agreed, 21% were uncertain, 14% were disagreed that the tutor dealt effectively with their problems. 24% strongly agreed, 62% agreed, 14% were uncertain on practical material being useful or not. 34% strongly agreed, 62% agreed, 3% were uncertain on demonstrator being effective in dealing with their problems.

ENT-506:

78% strongly agreed, 17% agreed and 4% were uncertain that the course objectives were clear. 56% students strongly agreed, 35% agreed and 4% uncertain on the course work load. 56%.

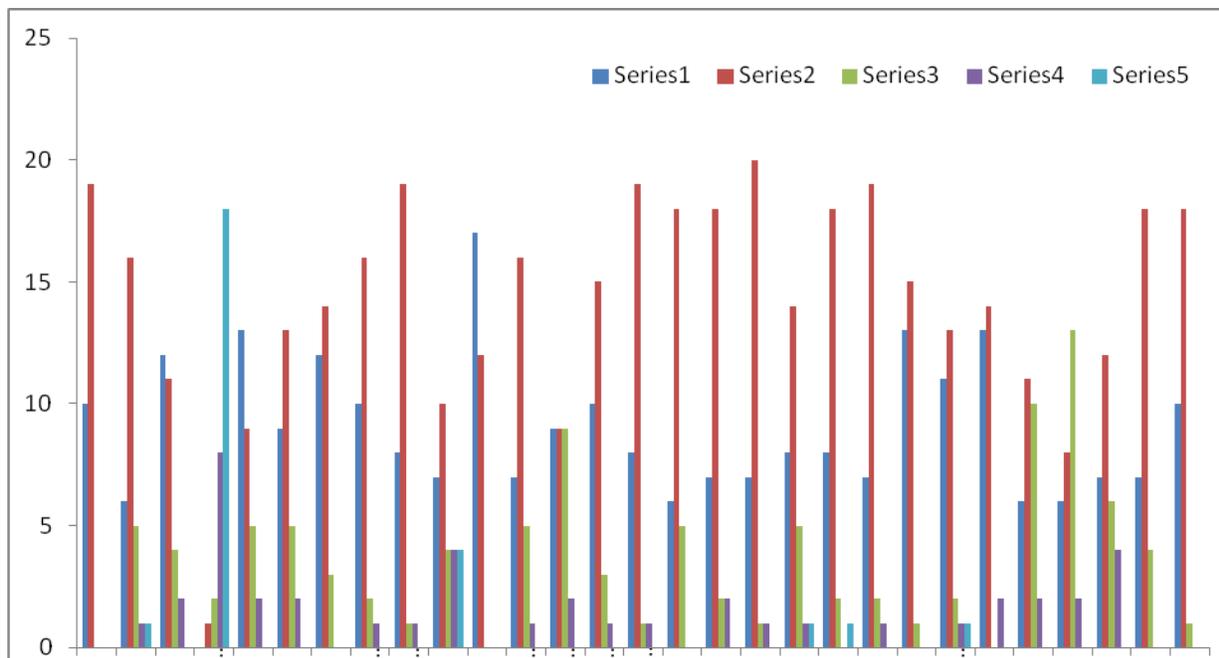


Fig. (ENT-402)

students strongly agreed, 30% agreed, 13% were uncertain that the course was well organized. 83% were strongly agreed, 17% were agreed on approximate level of their own attendance. 28% students strongly agreed, 39% agreed and 9% were uncertain and 4% were disagreed that they participated actively in this course. 43% students strongly agreed, 43% agreed and 9% were uncertain and 4% were disagreed that they have made progress in this course. 48% students strongly agreed, 52% agreed that the course was well constructed to achieve the learning outcomes. 52% strongly agreed, 39% agreed, 9% were uncertain that the learning and teaching methods encouraged participation. 52% students strongly agreed, 39% were agreed, 9% were uncertain that overall environment in the class was conducive to learning. 52% students strongly agreed, 43% agreed, 4% were uncertain that the classrooms were satisfactory. 56% students strongly agreed, 43% agreed that the learning materials were relevant and useful. 48% students strongly agreed, 48% agreed, 4% were uncertain that the recommended books were relevant. 52% students strongly agreed, 35% agreed and 13% uncertain on the provision of learning resources in the library. 65% students strongly agreed, 34% agreed on the provision of learning resources on the web. 56% students strongly agreed, 34% agreed and 9% were uncertain that the course stimulated interest and thought on the subject area. 48% students strongly agreed and 39% agreed, 13% were uncertain that the pace of the course was appropriate. 61% strongly agreed, 30% agreed, 9% were uncertain on ideas and concepts clarity. 61% students strongly

agreed, 30% agreed, 9% were uncertain that the methods of assessment were reasonable. 39% strongly agreed, 56% agreed, 4% were uncertain on feedback on assessment being timely. 52% strongly agreed, 39% agreed, 9% were uncertain on assessments being helpful. 83% strongly agreed, 17% agreed that they understood the lectures. 61% strongly agreed, 26% agreed, 13% were uncertain on the materials being well organized and well presented. 56% strongly agreed, 39% agreed, 4% were uncertain on instructor being responsive to student's needs and problems. 65% strongly agreed, 30% agreed, 4% were uncertain on the instructor being the regularity of the instructor. 52% strongly agreed, 30% agreed, 13% were uncertain on the materials being useful. 48% strongly agreed, 35% agreed whereas 13% were uncertain, 4% were strongly disagreed on being happy the amount of work given in tutorials. 48% strongly agreed, 34% agreed, 9% were uncertain, 4% were disagreed and 4% strongly disagreed that the tutor dealt effectively with their problems. 61% strongly agreed, 35% agreed, 4% were uncertain on practical material being useful or not. 56% strongly agreed, 43% agreed on demonstrator being effective in dealing with their problems.

ENT-508:

43% strongly agreed and 56% agreed that the course objectives were clear. 52% students strongly agreed, 48% agreed on the course work load. 33% students strongly agreed, 56% agreed that the course was well organized. 9% were uncertain, 17% were disagreed and 74% were strongly disagreed on approximate level of their own attendance. 43% students strongly agreed, 35% agreed and 9% were uncertain and 9% were disagreed and 4% were strongly disagreed that they participated actively in this course. 56% students strongly agreed, 39% agreed and 4% were disagreed that they have made progress in this course. 39% students strongly agreed, 60% agreed that the course was well constructed to achieve the learning outcomes. 65% strongly agreed, 35% agreed that the learning and teaching methods encouraged participation. 48% students strongly agreed, 48% were agreed, 4% were uncertain that overall environment in the class was conducive to learning. 43% students strongly agreed, 52% agreed, 3% were uncertain that the classrooms were satisfactory. 56% students strongly agreed, 43% agreed that the learning materials were relevant and useful. 43% students strongly agreed, 48% agreed, 9% were uncertain that the recommended books were relevant. 35% students strongly agreed, 56% agreed

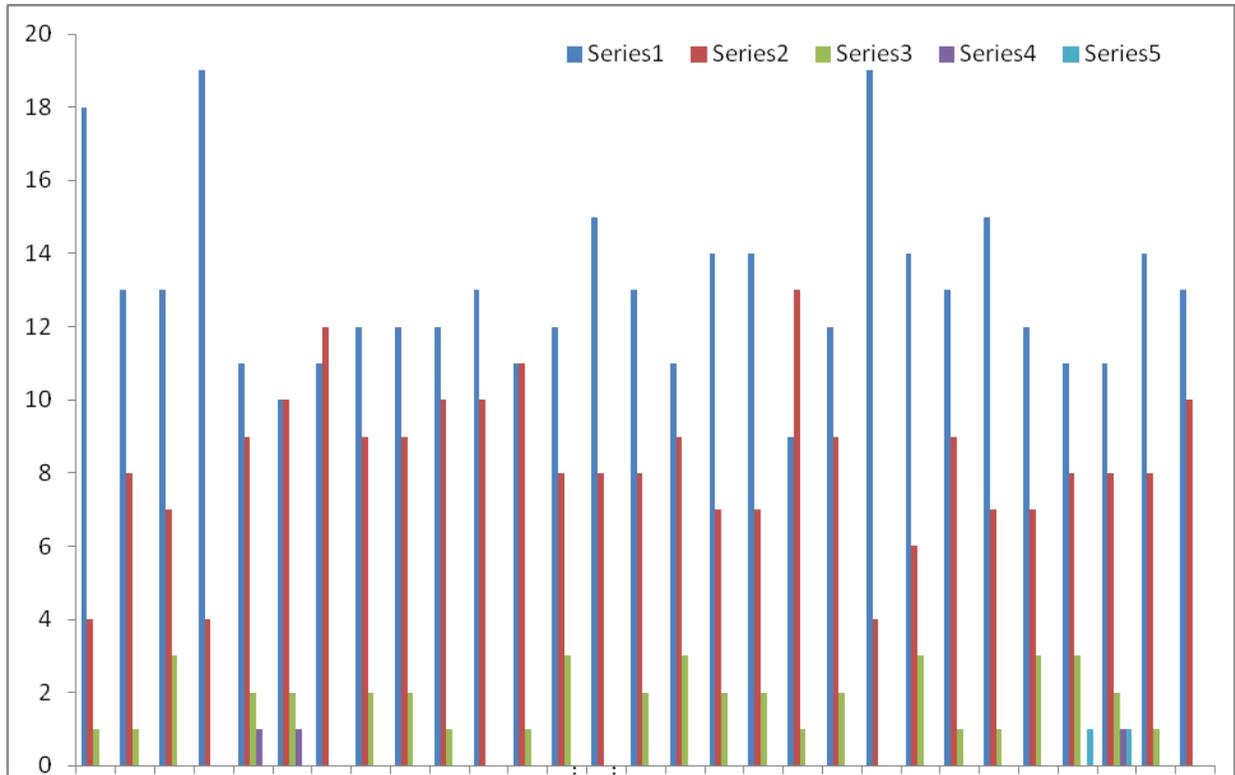


Fig. (ENT-506)

and 9% uncertain on the provision of learning resources in the library. 52% students strongly agreed, 43% agreed, 4% were uncertain on the provision of learning resources on the web. 52% students strongly agreed, 43% agreed and 4% were uncertain that the course stimulated interest and thought on the subject area. 30% students strongly agreed and 52% agreed, 4% were uncertain and 13% were disagreed that the pace of the course was appropriate. 48% strongly agreed, 39% agreed, 4% were uncertain, 9% were disagreed on ideas and concepts clarity. 48% students strongly agreed, 43% agreed, 4% were uncertain, 4% were disagreed that the methods of assessment were reasonable. 30% strongly agreed, 56% agreed, 4% were uncertain, 9% were disagreed on feedback on assessment being timely. 48% strongly agreed, 39% agreed, 13% were uncertain on assessments being helpful. 61% strongly agreed, 30% agreed, 9% were uncertain that they understood the lectures. 52% strongly agreed, 35% agreed, 13% were uncertain on the materials being well organized and well presented. 48% strongly agreed, 43% agreed, 9% were uncertain on instructor being responsive to student's needs and problems. 70% strongly agreed, 22% agreed, 9% were uncertain on the instructor being the regularity of the instructor. 35% strongly agreed, 35% agreed, 17% were uncertain, 9% were disagreed and 4% were strongly disagreed on the materials being useful. 30% strongly agreed, 47% agreed whereas 17% were

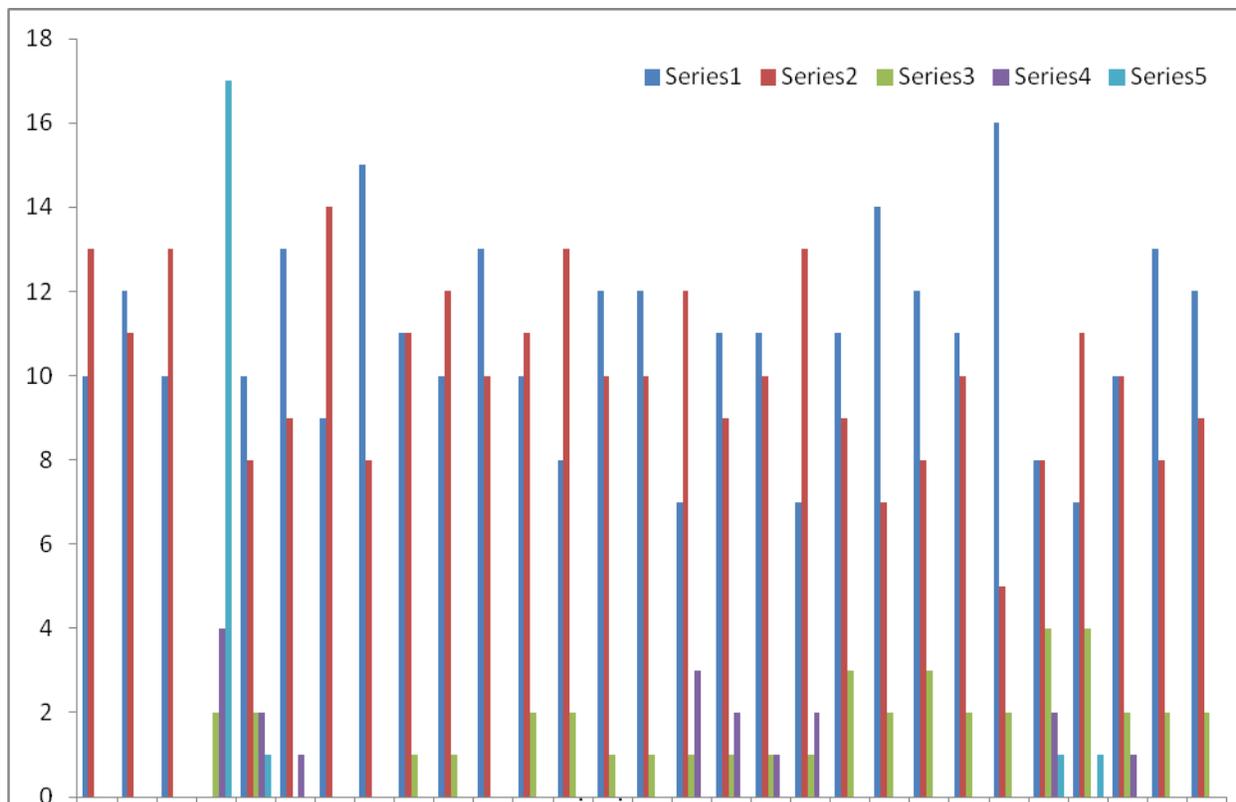


Fig. (ENT-508)

uncertain, 4% were strongly disagreed on being happy the amount of work given in tutorials. 43% strongly agreed, 43% agreed, 9% were uncertain, 4% were disagreed that the tutor dealt effectively with their problems. 56% strongly agreed, 35% agreed, 9% were uncertain on practical material being useful or not. 52% strongly agreed, 39% agreed, 9% were uncertain on demonstrator being effective in dealing with their problems.

ENT-402:

61% strongly agreed, 24% agreed, 6% were uncertain, 3% were disagreed and 6% were strongly disagreed that the course objectives were clear. 48% students strongly agreed, 33% agreed and 6% uncertain, 3% disagreed and 9% strongly disagreed on the course work load. 51% students strongly agreed, 30% agreed, 9% were uncertain and 6% disagreed and 3% were strongly disagreed that the course was well organized. 6% were agreed, 36% were disagreed and 57% were strongly disagreed on approximate level of their own attendance. 48% students strongly agreed, 30% agreed and 15% were uncertain, 6% were disagreed that they participated actively in this course. 42% students strongly agreed, 39% agreed and 3% were uncertain and 9% were

disagreed and 6% strongly disagreed that they have made progress in this course. 45% students strongly agreed, 39% agreed and 6% were uncertain, 3% were disagreed and 6% were strongly disagreed that the course was well constructed to achieve the learning outcomes. 57% strongly agreed, 30% agreed, 9% were uncertain and 3% were disagreed that the learning and teaching methods encouraged participation. 61% students strongly agreed, 30% were agreed, 6% were uncertain and 3% were disagreed that overall environment in the class was conducive to learning. 51% students strongly agreed, 36% agreed, 3% were uncertain, 6% were disagreed and 3% were strongly disagreed that the classrooms were satisfactory. 51% students strongly agreed, 24% agreed, 18% were uncertain, 3% were disagreed and 3% were strongly disagreed that the learning materials were relevant and useful. 39% students strongly agreed, 39% agreed, 9% were uncertain, 6% disagreed and 6% were strongly disagreed that the recommended books were relevant. 36% students strongly agreed, 42% agreed and 12% uncertain and 3% were disagreed and 6% were strongly disagreed on the provision of learning resources in the library. 48% students strongly agreed, 27% agreed, 18% were uncertain and 6% were disagreed on the provision of learning resources on the web. 39% students strongly agreed, 36% agreed and 3% were uncertain, 3% were disagreed and 12% were strongly disagreed that the course stimulated interest and thought on the subject area. 51% students strongly agreed and 36% agreed, 12% were strongly disagreed that the pace of the course was appropriate. 54% strongly agreed, 27% agreed, 12% were strongly disagreed on ideas and concepts clarity. 51% students strongly agreed, 30% agreed, 6% were uncertain, 3% were disagreed and 3% were strongly disagreed that the methods of assessment were reasonable. 42% strongly agreed, 36% agreed, 9% were uncertain, 3% were disagreed and 3% were strongly disagreed on feedback on assessment being timely. 51% strongly agreed, 27% agreed, 15% were uncertain and 3% were disagreed and 3% were strongly disagreed on assessments being helpful. 51% strongly agreed, 30% agreed, 15% were uncertain, 3% were strongly disagreed that they understood the lectures. 51% strongly agreed, 30% agreed, 12% were uncertain and 3% were strongly disagreed on the materials being well organized and well presented. 54% strongly agreed, 30% agreed, 6% were uncertain, 3% were strongly disagreed on instructor being responsive to student's needs and problems. 69% strongly agreed, 15% agreed, 6% were uncertain and 3% were disagreed and 3% were strongly disagreed on the instructor being the regularity of the instructor. 39% strongly agreed, 39% agreed, 9% were uncertain, 6% were disagreed and 6% were strongly disagreed on the materials

being useful. 48% strongly agreed, 30% agreed whereas 9% were uncertain, 6% were strongly disagreed on being happy the amount of work given in tutorials. 45% strongly agreed, 33% agreed, 12% were uncertain, 3% were strongly disagreed that the tutor dealt effectively with their problems. 57% strongly agreed, 21% agreed, 6% were uncertain, 3% were disagreed and 6% were strongly disagreed on practical material being useful or not. 42% strongly agreed, 42% agreed, 3% were uncertain and 6% were strongly disagreed on demonstrator being effective in dealing with their problems.

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ENT-503:

45% students were strongly agreed, 54% agreed that course objective was clear. 41% students were strongly agreed, 33% agreed and 16% uncertain that The Course workload was manageable. 50% students were strongly agreed that The Course was well organized while remaining 45% were simply agreed. 37% students were strongly agreed, 50% students agreed, 8.3% students disagreed and 4.1% strongly disagreed that approximate level of their own attendance during the whole Course. 25% students were strongly agreed, 66 % agreed, 9%

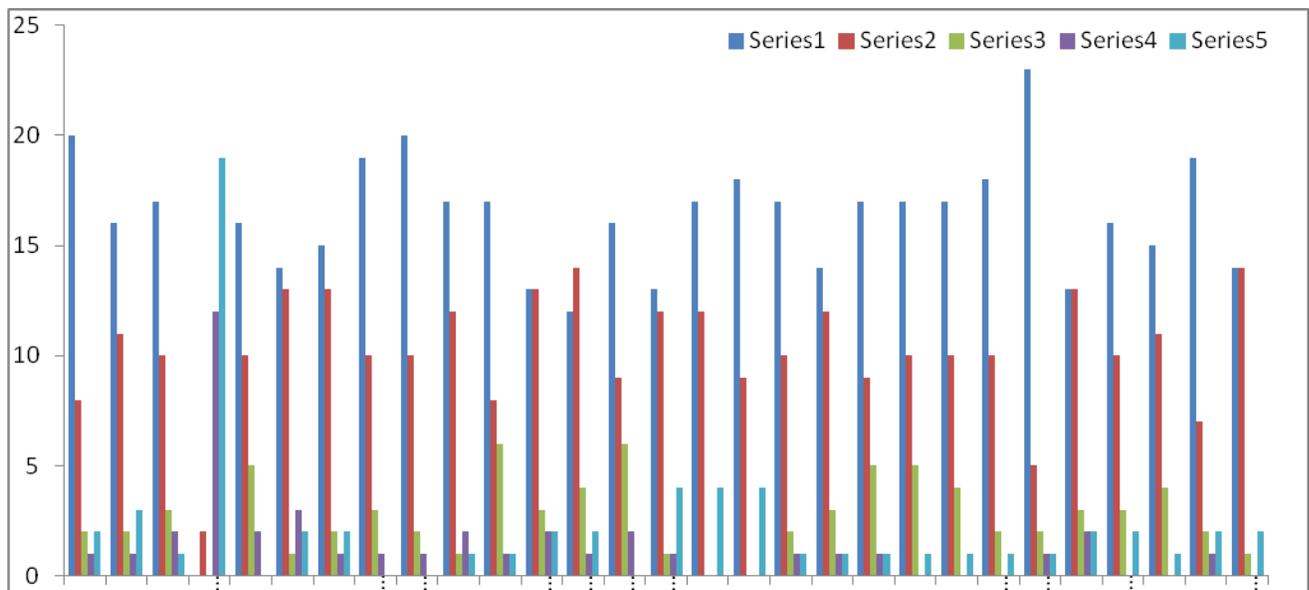


Fig. ENT-402

uncertain that they actively participate in the class. 25% students were strongly agreed, 53% agreed 12% uncertain and 4.1% strongly disagree that they have made progress in this course. 37.5% students were strongly agreed, 62% agreed that the Course was well structured to achieve the learning outcomes. 41% students were strongly agreed, 45% agreed and 8.3%

strongly disagreed that The learning and teaching methods encouraged participation. 50% students were strongly agreed, 41% agreed 8.3% uncertain that the overall environment in the class was conducive to learning. 37% students were strongly agreed, 58% agreed that Classrooms were satisfactory 50% students were strongly agreed and 41% agreed that Learning materials were relevant and useful. 25% students were strongly agreed, 58% agreed, 12.5% uncertain that recommended reading books etc. were relevant and appropriate. 83% students were strongly agreed, 66% agreed, 12.5% uncertain that the provision of learning resources in the library was adequate and appropriate. 16.66% students were strongly agreed, 70% agreed and 8.3% uncertain that the provision of learning resources on the web was adequate and appropriate. 45% students were strongly agreed, 50% agreed, 4.1% uncertain that the course stimulated by interest and thought on the subject area. 29% students were strongly agreed 70% agreed, that the pace of the course was appropriate. 45% students were strongly agreed, 37% agreed, 12.5% uncertain that Ideas and concepts were presented clearly. 25% students were strongly agreed, 62% agreed that the method of assessment were reasonable. 54% students were strongly agreed, 36% agreed, 9% uncertain that Feedback on assessment was timely. 31% students were strongly agreed, 54% agreed, 13% uncertain that Feedback on assessment was helpful. 36% students were strongly agreed, 40% agreed, 22% uncertain that they understood the lectures. 46% students were strongly agreed, 46% agreed, 9% uncertain that the material was well organized and presented. 31% students were strongly agreed and 36% agreed that the instructor was responsive to student needs and problems. 62% agreed that instructor has been regular throughout the course. 34% students were strongly agreed, 53% agreed, and 11% uncertain that the material in the tutorials was useful. 29% students were strongly agreed, 41% agreed and that they were happy with the amount of work needed for tutorials. 29% students were strongly agreed, 41% agreed, 16% uncertain that the tutor dealt effectively with my problems. 20% students were strongly agreed, 54% agreed, 16% uncertain that the materials in practical was useful. 50% students were strongly agreed, 45% agreed, 9% uncertain and that the demonstrators dealt effectively with my problems.

ENT-601:

40% students were strongly agreed, 40% agreed and 18% uncertain that course objective was clear. 36% students were strongly agreed, 50% agreed and 9% uncertain that The Course workload was manageable. 54% students were strongly agreed that The Course was well

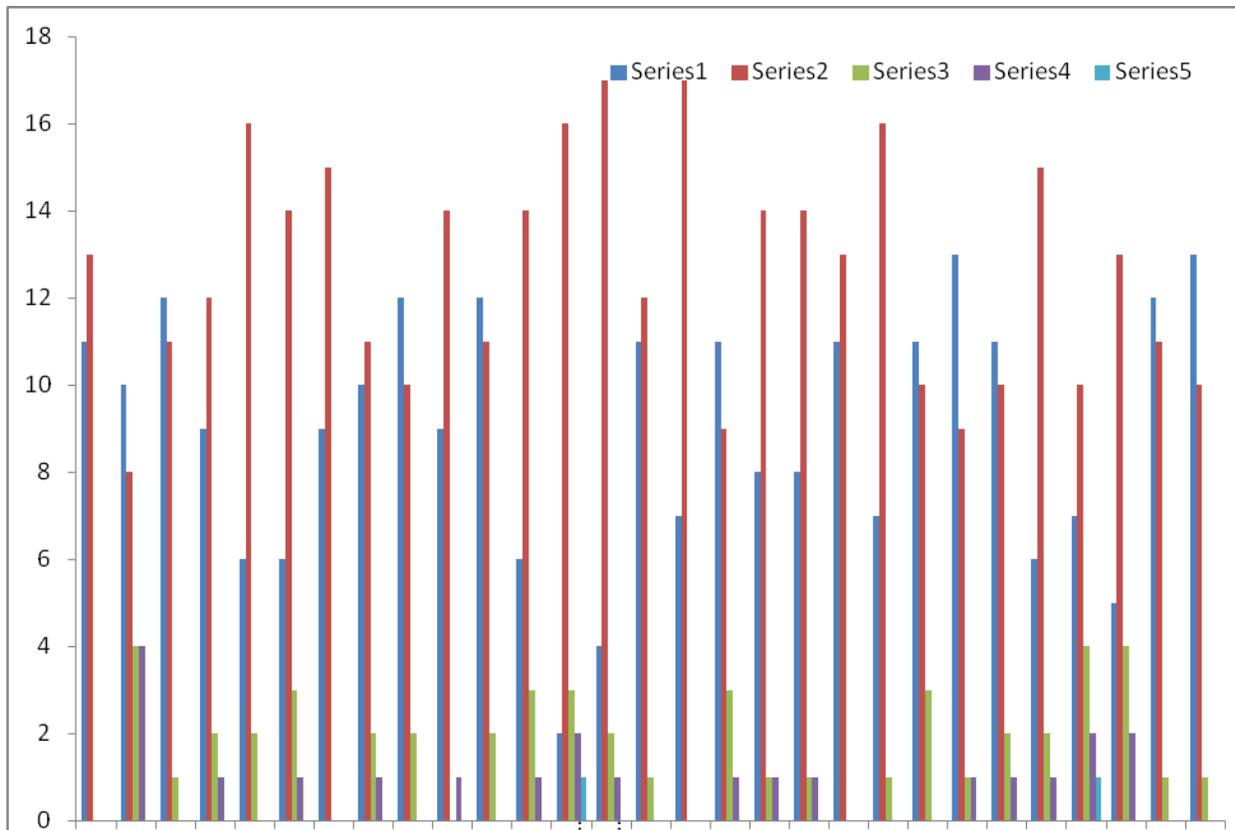


Fig. (ENT-503)

organized while remaining 31% were simply agreed. 58% students were strongly agreed, 34% students agreed, 2% students disagreed and 9% strongly disagreed that approximate level of their own attendance during the whole Course. 40% students were strongly agreed, 40% agreed, 9% uncertain that they actively participate in the class. 45% students were strongly agreed, 45% agreed, 4% uncertain and 3% strongly disagree that they have made progress in this course. 31% students were strongly agreed, 50% agreed, 9% uncertain that the Course was well structured to achieve the learning outcomes. 36% students were strongly agreed, 54% agreed and 9% strongly disagreed that the learning and teaching methods encouraged participation. 40% students were strongly agreed, 40% agreed 13% uncertain that the overall environment in the class was conducive to learning. 46% students were strongly agreed, 36% agreed that Classrooms were satisfactory. 27% students were strongly agreed and 59% agreed that Learning materials were relevant and useful. 31% students were strongly agreed, 54% agreed, 13% uncertain that recommended reading books etc. were relevant and appropriate. 36% students were strongly agreed, 54% agreed, 13% uncertain that the provision of learning resources in the library was

adequate and appropriate. 50% students were strongly agreed, 40% agreed and 9% uncertain that the provision of learning resources on the web was adequate and appropriate. 31% students were strongly agreed, 59% agreed, 9% uncertain and 2% disagreed that The course stimulated by interest and thought on the subject area. 46% students were strongly agreed, 46% agreed, 9% uncertain that the pace of the course was appropriate. 40% students were strongly agreed, 50% agreed, 4% uncertain that Ideas and concepts were presented clearly. 36% students were strongly agreed, 54% agreed and 9% disagreed that the method of assessment were reasonable. 40% students were strongly agreed, 36% agreed, 9% uncertain that Feedback on assessment was timely. 31% students were strongly agreed, 54% agreed, 13% uncertain that Feedback on assessment was helpful. 36% students were strongly agreed, 40% agreed, 22% uncertain that they understood the lectures. 46% students were strongly agreed, 46% agreed, 9% uncertain that the material was well organized and presented. 31% students were strongly agreed and 36% agreed that the instructor was responsive to student needs and problems. 62% agreed that instructor has been regular throughout the course. 34% students were strongly agreed, 53% agreed, and 11% uncertain that the material in the tutorials was useful. 36% students were strongly agreed, 31% agreed and that they were happy with the amount of work needed for tutorials. 27% students were strongly agreed, 46% agreed, 22% uncertain that The tutor dealt effectively with my problems. 40% students were strongly agreed, 50% agreed, 9% uncertain that the materials in practical was useful. 31% students were strongly agreed, 59% agreed, 9% uncertain and that The demonstrators dealt effectively with my problems.

ENT-607:

100% students were strongly agreed that course objective was clear. 100 % students were strongly agreed that The Course workload was manageable. 100% students were strongly agreed that The Course was well organized while remaining 100% were simply agreed. 100% students were strongly agreed that Approximate level of their own attendance during the whole Course. 100% students were strongly agreed, that they actively participate in the class. 100% students were strongly agreed, 51% agreed that they have made progress in this course. 100% students were strongly agreed, that the Course was well structured to achieve the learning outcomes. 100% students were strongly agreed that the learning and teaching methods encouraged participation. 100% students were strongly agreed that the overall environment in the class was conducive to learning. 100% students were strongly agreed that Classrooms were satisfactory.

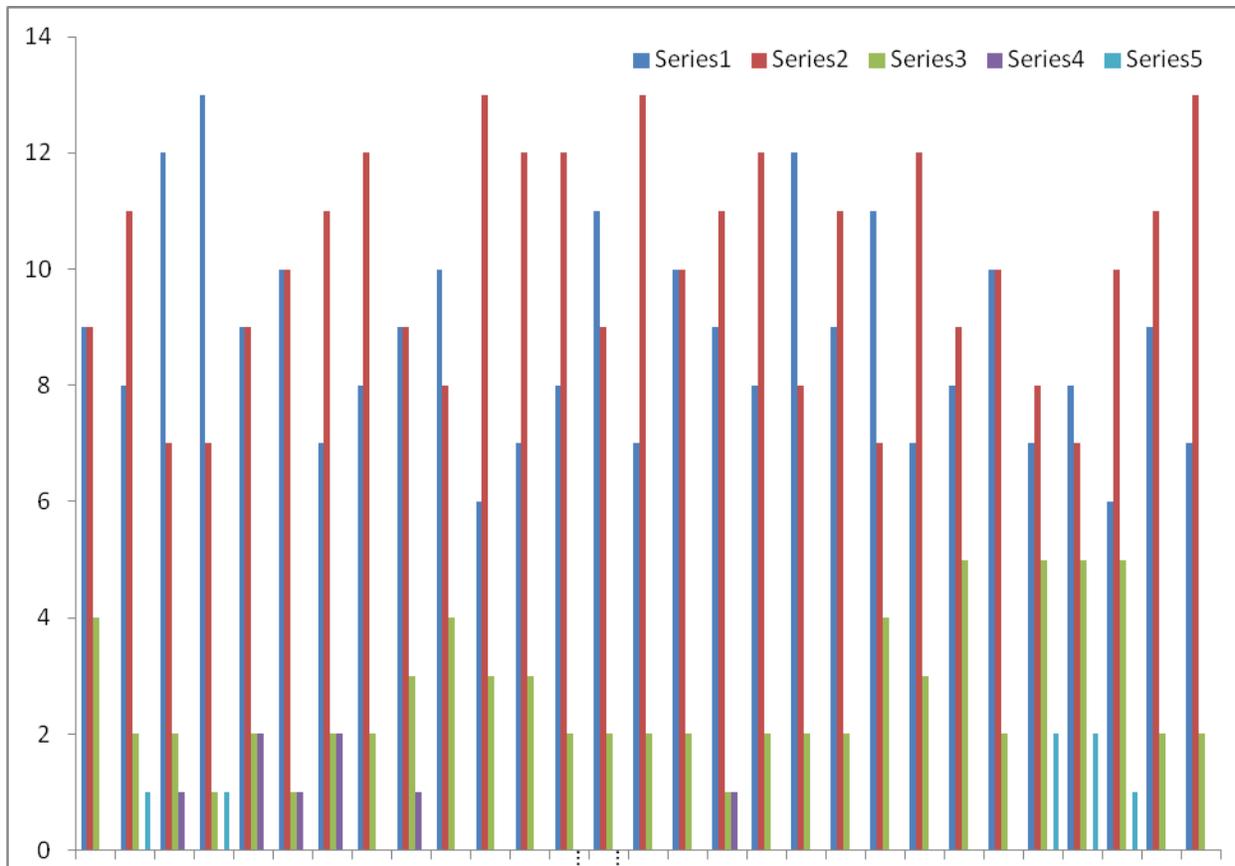


Fig. (ENT-601)

100% students were strongly agreed and that Learning materials were relevant and useful. 100% agreed that recommended reading books etc. were relevant and appropriate. 100% students were strongly agreed that the provision of learning resources in the library was adequate and appropriate. 100% students were strongly agreed that the provision of learning resources on the web was adequate and appropriate. 100% agreed that the course stimulated by interest and thought on the subject area. 100% agreed that the pace of the course was appropriate. 100% students were strongly agreed, that Ideas and concepts were presented clearly. 100% students were strongly agreed that the method of assessment were reasonable. 100% students were strongly agreed that Feedback on assessment was timely. 100% students were strongly agreed that Feedback on assessment was helpful. 100% students were strongly agreed that they understood the lectures. 100% students were strongly agreed, 51% agreed that the material was well organized and presented. 100% students were strongly agreed that the instructor was responsive to student needs and problems. 100% agreed that instructor has been regular throughout the course. 100% agreed that the material in the tutorials was useful. 100% students were strongly

agreed that they were happy with the amount of work needed for tutorials. 100% agreed that the tutor dealt effectively with my problems. 100% students were strongly agreed that the material in practical was useful. 100% students were strongly agreed that the demonstrators dealt effectively with my problems.

ENT-605:

50% students were strongly agreed, 50% agreed and 4% uncertain that course objective was clear. 41% students were strongly agreed, 54% agreed that the Course workload was manageable. 50% students were strongly agreed that The Course was well organized while remaining 50% were simply agreed. 0% students were strongly agreed, 0% students agreed, 0% students disagreed Approximate level of their own attendance during the whole Course. 37% students were strongly agreed, 45 % agreed, 3% uncertain and 12.5% strongly disagreed that they actively participate in the class. 33% students were strongly agreed, 62% agreed, 4.1% uncertain that they have made progress in this course. 33% students were strongly agreed, 62% agreed, that the Course was well structured to achieve the learning outcomes. 33% students were strongly agreed, 58% agreed and 8.3% strongly disagreed that the learning and teaching methods encouraged participation. 45% students were strongly agreed, 54% agreed that the overall environment in the class was conducive to learning. 37% students were strongly agreed, 62% disagree that Classrooms were satisfactory. 41% students were strongly agreed and 45% agreed that Learning materials were relevant and useful. 50% students were strongly agreed 45% agreed that recommended reading books etc. were relevant and appropriate. 29% students were strongly agreed, 58% agreed that the provision of learning resources in the library was adequate and appropriate. 54% students were strongly agreed, 41% agreed and 4.1% uncertain that the provision of learning resources on the web was adequate and appropriate. 41% students were strongly agreed, 58% agreed that the course stimulated by interest and thought on the subject area. 54% students were strongly agreed, 41% agreed that the pace of the course was appropriate. 37% students were strongly agreed, 54% agreed, 4.1% uncertain and 4.1% disagreed that Ideas and concepts were presented clearly. 50% students were strongly agreed, 41% agreed and 4.1% disagreed that the method of assessment were reasonable. 41% students were strongly agreed, 58% agreed, that Feedback on assessment was timely. 41% students were strongly agreed, 58% agreed, that Feedback on assessment was helpful. 50% students were strongly agreed, 50% agreed, 2 that they understood the lectures. 66% students were strongly agreed, 33% agreed that

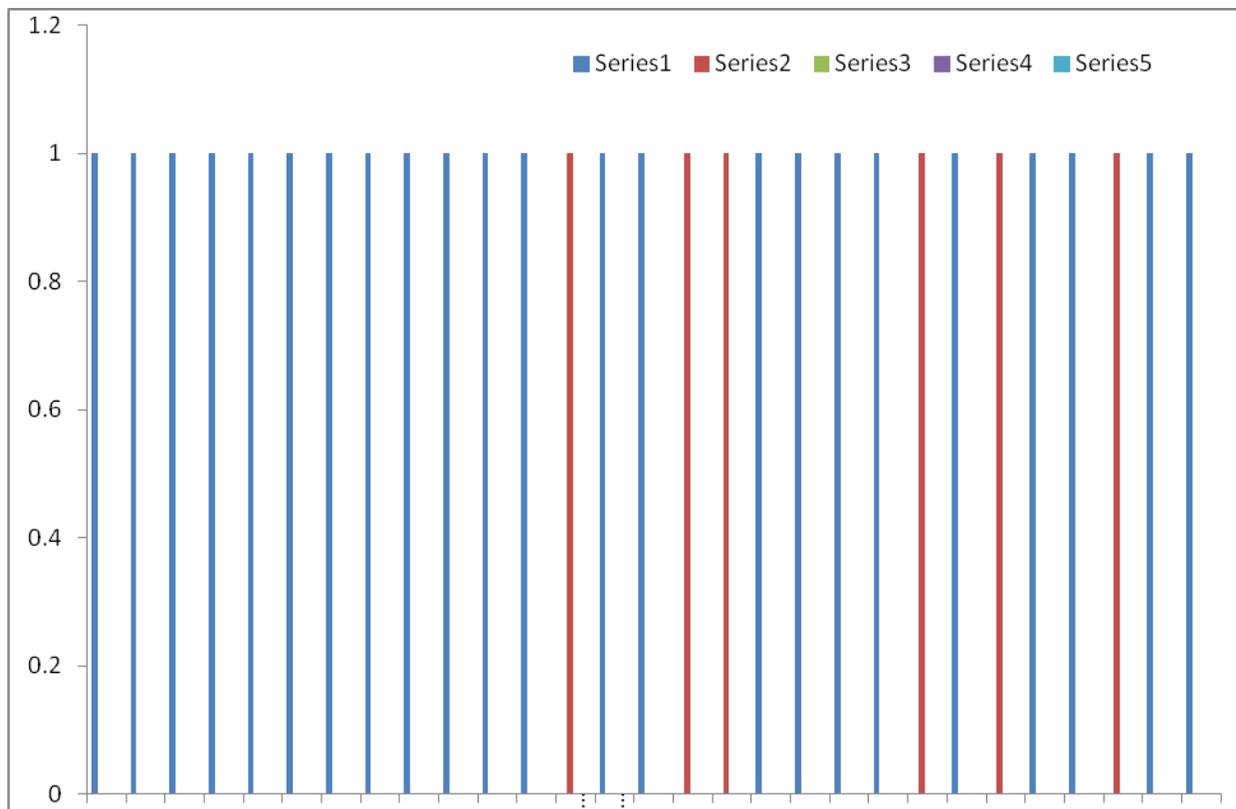


Fig. (ENT-607)

the material was well organized and presented.33% students were strongly agreed and 37% agreed that the instructor was responsive to student needs and problems. 37% students were strongly agreed that the material in the tutorials was useful. 41% students were strongly agreed,33% agreed that they were happy with the amount of work needed for tutorials. 45% students were strongly agreed, 46% agreed, 2% that the tutor dealt effectively with my problems. 54% students were strongly agreed, 41% agreed that the materials in practical was useful. 54% students were strongly agreed, 45% agreed, 2% uncertain d that the demonstrators dealt effectively with my problems.

ENT-401: Dr. Munir Ahmad

73% students were strongly agreed and 26% agreed that The Course objectives were clear. 70% students were strongly agreed, 26% agreed and 3% uncertain that The Course workload was manageable. 63% students were strongly agreed and 36% agreed that approximate level of their own attendance during the whole Course. 20% students were disagreed and 80% strongly disagreed that they participated actively in the Course. 43% students were strongly agreed, 33% agreed, 10% uncertain, 6% disagreed and 6% strongly disagreed that they have made progress in

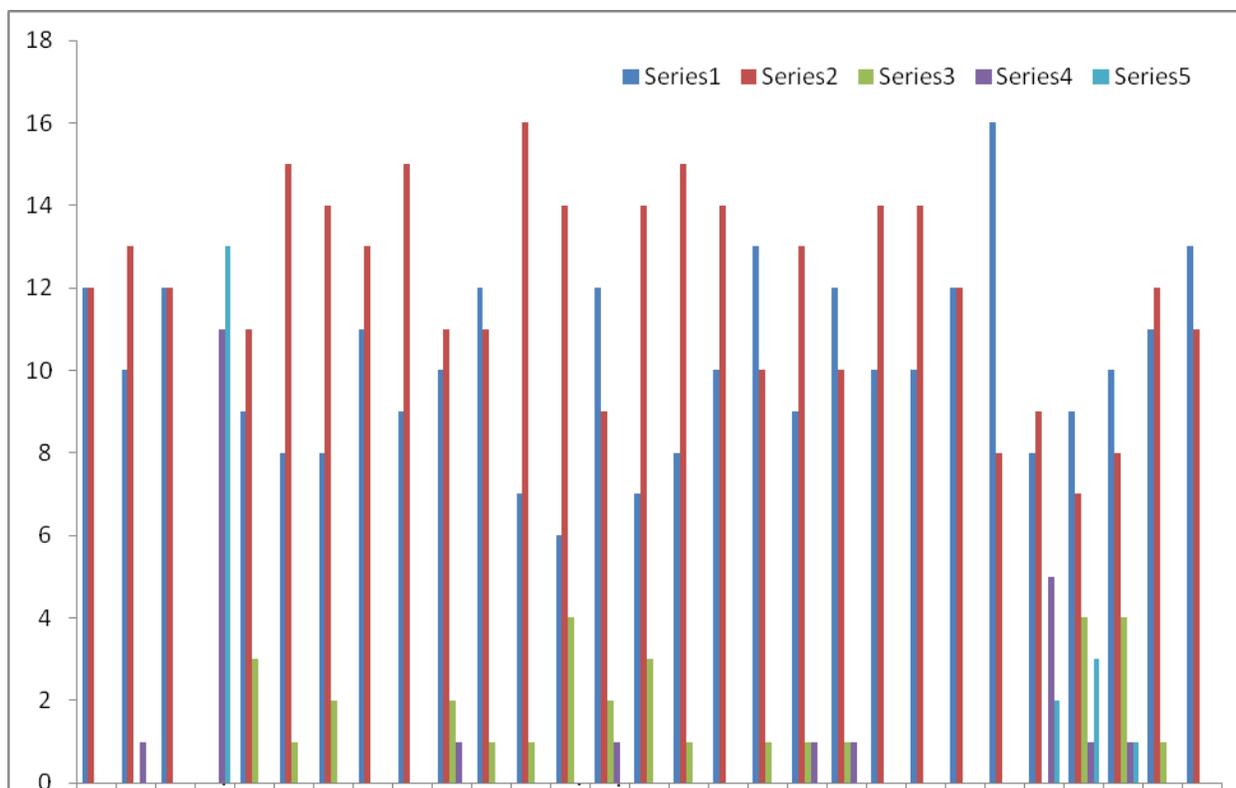


Fig. (ENT-605)

this course. 43% students were strongly agreed, 36% agreed, 6% uncertain, 3% disagreed and 6% strongly disagreed that the course was well structured to achieve the learning outcomes. 60% students were strongly agreed, 36% agreed and 3% uncertain that the learning and teaching methods encouraged participation. 53% students were strongly agreed and 46% agreed that the overall environment in the class was conducive to learning. 53% students were strongly agreed and 46% agreed that Classrooms were satisfactory. 53% students were agreed, 43% agreed and 3% strongly disagreed that Learning materials were relevant and useful. 73% students were strongly agreed and 26% agreed that recommended reading books etc. were relevant and appropriate. 56% students were strongly agreed, 40% agreed and 3% disagreed that the provision of learning resources in the library was adequate and appropriate. 63% students were strongly agreed, 30% agreed and 3% disagreed that the provision of learning resources on the web was adequate and appropriate. 56% students were strongly agreed, 33% agreed, 6% uncertain and 3% disagreed that The course stimulated by interest and thought on the subject area. 56% students were strongly agreed, 40% agreed and 3% uncertain that the pace of the course was appropriate. 47% students were strongly agreed and 53% agreed that Ideas and concepts were presented

clearly. 53% students were strongly agreed, 43% agreed and 3% uncertain that the method of assessment were reasonable. 57% students were strongly agreed and 43% agreed that Feedback on assessment was timely. 50% students were strongly agreed, 47% agreed and 3% uncertain that Feedback on assessment was helpful. 53% students were strongly agreed, 37% agreed and 10% uncertain that they understood the lectures. 63% students were strongly agreed and 37% agreed that the material was well organized and presented. 63% students were strongly agreed and 37% agreed that the instructor was responsive to student needs and problems. 47% students were strongly agreed and 53% agreed that instructor has been regular throughout the course. 63% students were strongly agreed, 33% agreed, and 3% uncertain that The material in the tutorials was useful. 53% students were strongly agreed, 43% agreed and 3% strong disagreed that they were happy with the amount of work needed for tutorials. 50% students were strongly agreed, 43% agreed and 2% strongly disagreed that the tutor dealt effectively with my problems. 57% students were strongly agreed, 40% agreed, 3% disagreed and 3% strongly disagreed that the materials in practical was useful. 67% students were strongly agreed, 27% agreed, 7% uncertain that the demonstrators dealt effectively with my problems.

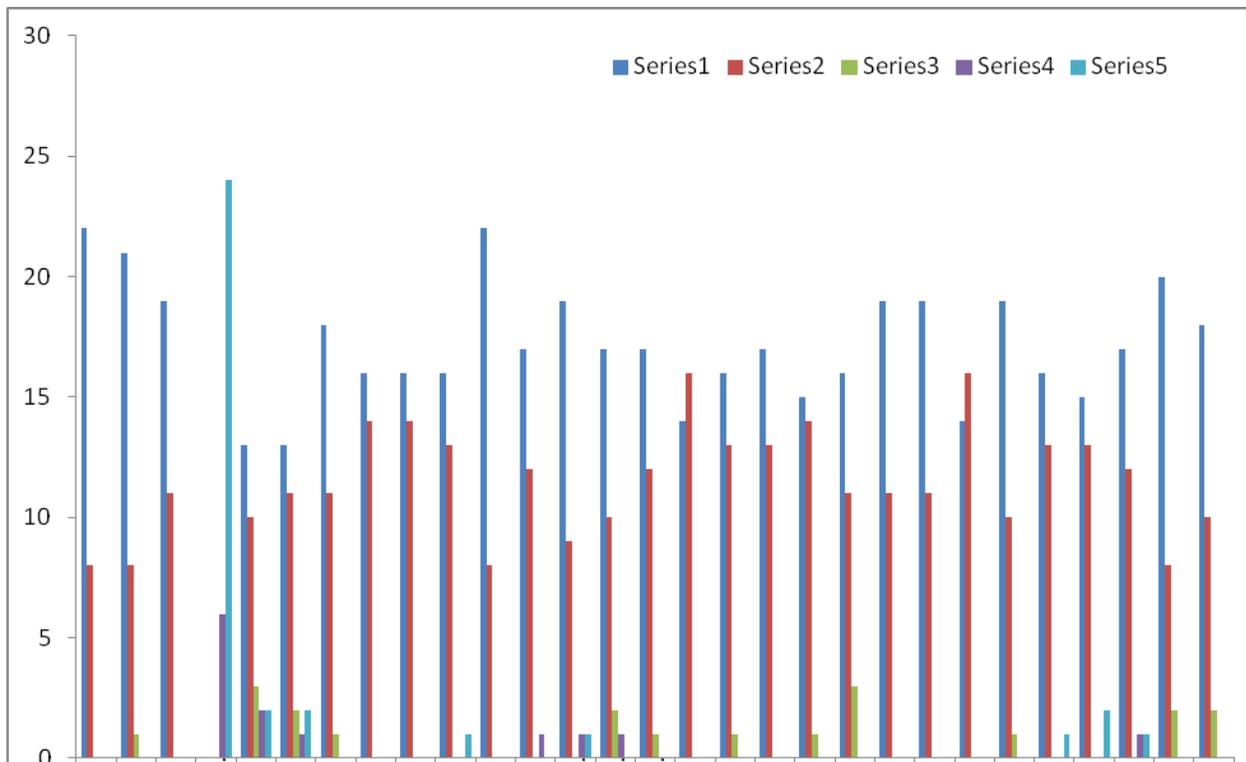


Fig. (ENT-401)

ENT-401, Dr. Muhammad Tariq:

70% students were strongly agreed, 24% agreed and 5% uncertain that course objective was clear. 67% students were strongly agreed, 32% agreed and 3% uncertain that The Course workload was manageable. 54% students were strongly agreed, 38% agreed, 5% uncertain and 3% disagreed that The Course was well organized while remaining 32% were simply agreed. 57% students were strongly agreed and 46% agreed that approximate level of their own attendance during the whole Course. 54% students were strongly agreed, 32 % agreed, 3% uncertain, 3% disagreed and 3% strongly disagreed that they actively participate in the class. 46% students were strongly agreed, 38% agreed, 11% uncertain, 3% disagreed and 3% strongly disagree that they have made progress in this course. 51% students were strongly agreed, 43% agreed and 5% uncertain that the Course was well structured to achieve the learning outcomes. 57% students were strongly agreed, 41% agreed and 3% uncertain that the learning and teaching methods encouraged participation. 62% students were strongly agreed, 27% agreed, 8% uncertain and 3% strongly disagreed that the overall environment in the class was conducive to learning. 62% students were strongly agreed, 22% agreed, 10% uncertain, 3% disagreed and 3% strongly disagreed that Classrooms were satisfactory. 51% students were strongly agreed, 41% agreed and 8% uncertain that Learning materials were relevant and useful. 62% students were strongly agreed and 38% agreed that recommended reading books etc. were relevant and appropriate. 62% students were strongly agreed and 38% agreed that the provision of learning resources in the library was adequate and appropriate. 70% students were strongly agreed, 22% agreed and 8% uncertain that the provision of learning resources on the web was adequate and appropriate. 68% students were strongly agreed, 27% agreed and 5% uncertain that the course stimulated by interest and thought on the subject area. 68% students were strongly agreed, 30% agreed and 3% disagreed that the pace of the course was appropriate. 68% students were strongly agreed, 24% agreed, 5% uncertain and 3% disagreed that Ideas and concepts were presented clearly. 51% students were strongly agreed, 41% agreed and 8% uncertain that the method of assessment were reasonable. 57% students were strongly agreed, 40% agreed and 3% uncertain that Feedback on assessment was timely. 57% students were strongly agreed, 30% agreed, 8% uncertain and 5% disagree that Feedback on assessment was helpful. 65% students were strongly agreed, 27% agreed and 8% uncertain that they understood the lectures. 65% students were strongly agreed, 32% agreed and 3% uncertain that the material was well organized and

presented. 57% students were strongly agreed, 32% agreed, 5% uncertain and 3% disagreed that the instructor was responsive to student needs and problems. 57% students were strongly agreed, 38% agreed and 5% uncertain that instructor has been regular throughout the course. 57% students were strongly agreed, 35% agreed, and 5% uncertain and 3% disagreed that the material in the tutorials was useful. 54% students were strongly agreed, 38% agreed and 5% uncertain that they were happy with the amount of work needed for tutorials. 57% students were strongly agreed, 38% agreed and 5% uncertain that the tutor dealt effectively with my problems. 59% students were strongly agreed, 35% agreed and 5% uncertain that the materials in practical was useful. 65% students were strongly agreed, 30% agreed and 5% uncertain that the demonstrators dealt effectively with my problems.

ENT-401: Dr. Ata-ul-Mohsin:

56% students were strongly agreed and 44% agreed that course objective was clear. 52% students were strongly agreed, 44% agreed and 4% uncertain that The Course workload was manageable. 36% students were strongly agreed, 56% agreed and 8% uncertain that The Course

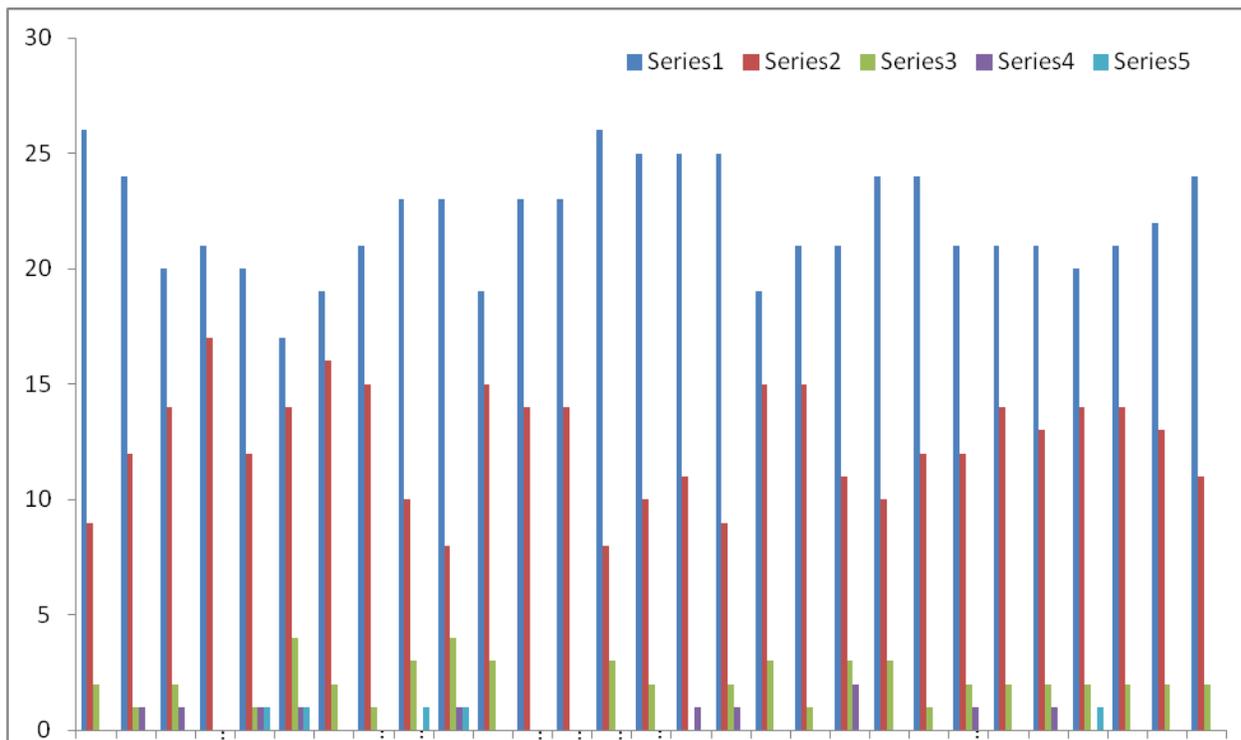


Fig. (ENT-401)

was well organized. 72% students were strongly agreed and 28% agreed that approximate level of their own attendance during the whole Course. 52% students were strongly agreed, 44 %

agreed and 4% uncertain that they actively participate in the class. 56% students were strongly agreed, 40% agreed and 4% strongly disagree that they have made progress in this course. 64% students were strongly agreed, 32% agreed and 4% uncertain that the Course was well structured to achieve the learning outcomes. 64% students were strongly agreed, 52% agreed and 4% uncertain that the learning and teaching methods encouraged participation. 64% students were strongly agreed, 32% agreed and 4% uncertain that the overall environment in the class was conducive to learning. 48% students were strongly agreed, 32% agreed and 20% uncertain that Classrooms were satisfactory. 48% students were strongly agreed, 52% agreed that Learning materials were relevant and useful. 28% students were strongly agreed and 56% agreed and 12% uncertain and 4% disagreed that recommended reading books etc. were relevant and appropriate. 44% students were strongly agreed, 48% agreed and 8% uncertain that the provision of learning resources in the library was adequate and appropriate. 36% students were strongly agreed, 60% agreed and 4% uncertain that the provision of learning resources on the web was adequate and appropriate. 48% students were strongly agreed, 52% agreed that the course stimulated by interest and thought on the subject area. 52% students were strongly agreed, 48% agreed that the pace of the course was appropriate. 56% students were strongly agreed, 36% agreed and 8% uncertain that Ideas and concepts were presented clearly. 48% students were strongly agreed, 44% agreed and 8% uncertain that the method of assessment were reasonable. 44% students were strongly agreed, 44% agreed and 12% uncertain that Feedback on assessment was timely. 44% students were strongly agreed, 52% agreed and 4% disagree that Feedback on assessment was helpful. 56% students were strongly agreed, 44% agreed that they understood the lectures. 40% students were strongly agreed, 60% agreed that the material was well organized and presented. 52% students were strongly agreed, 40% agreed and 8% uncertain that the instructor was responsive to student needs and problems. 48% students were strongly agreed, 48% agreed and 4% uncertain that instructor has been regular throughout the course. 56% students were strongly agreed, 40% agreed and 4% uncertain that the material in the tutorials was useful. 64% students were strongly agreed, 32% agreed and 4% uncertain that they were happy with the amount of work needed for tutorials. 56% students were strongly agreed, 40% agreed and 4% uncertain that the tutor dealt effectively with my problems. 56% students were strongly agreed and 44% agreed that the material in practical was useful. 56% students were strongly agreed,

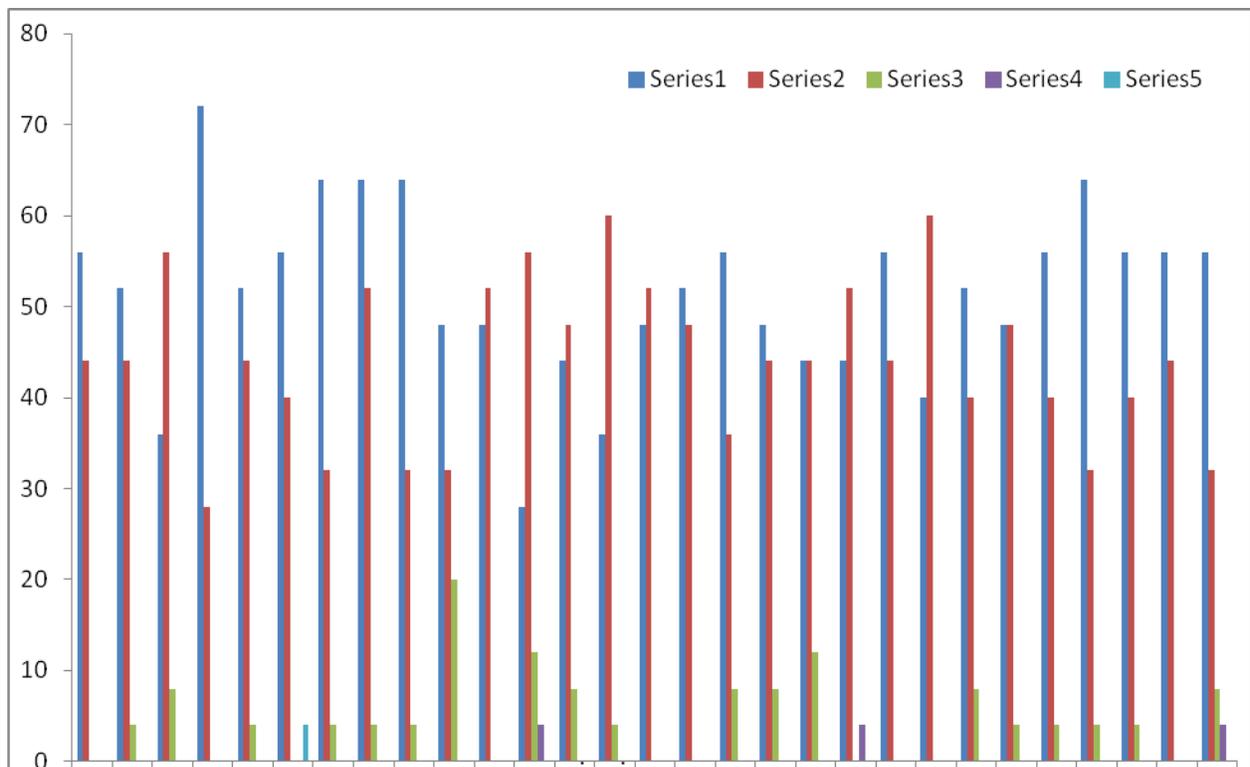


Fig. (ENT-401)

32% agreed 8% uncertain and 4% disagreed that the demonstrators dealt effectively with my problems

ENT-507:

65% students were strongly agreed, 30% agreed and 4% uncertain that course objective was clear. 48% students were strongly agreed, 41% agreed and 9% uncertain that The Course workload was manageable. 67% students were strongly agreed that The Course was well organized while remaining 32% were simply agreed. 58% students were strongly agreed, 34% students agreed, 2% students disagreed and 6% strongly disagreed that approximate level of their own attendance during the whole Course. 41% students were strongly agreed, 51 % agreed, 6% uncertain and 3% strongly disagreed that they actively participate in the class. 37% students were strongly agreed, 51% agreed, 9% uncertain and 3% strongly disagree that they have made progress in this course. 53% students were strongly agreed, 46% agreed, 4% uncertain and 3% strongly disagreed that the Course was well structured to achieve the learning outcomes. 60% students were strongly agreed, 39% agreed and 3% strongly disagreed that the learning and teaching methods encouraged participation. 60% students were strongly agreed, 34% agreed, 2% uncertain and 9% strongly disagreed that the overall environment in the class was conducive to

learning. 41% students were strongly agreed, 44% agreed, 6% uncertain and 3% strongly disagree that Classrooms were satisfactory. 55% students were strongly agreed and 41% agreed that Learning materials were relevant and useful. 34% students were strongly agreed, 53% agreed, 9% uncertain and 2% disagreed that recommended reading books etc. were relevant and appropriate. 44% students were strongly agreed, 46% agreed, 4% uncertain and 4% disagreed and 3% strongly disagreed that the provision of learning resources in the library was adequate and appropriate. 48% students were strongly agreed, 39% agreed and 9% uncertain that the provision of learning resources on the web was adequate and appropriate. 53% students were strongly agreed, 41% agreed, 9% uncertain and 2% disagreed that the course stimulated by interest and thought on the subject area. 51% students were strongly agreed, 41% agreed, 4% uncertain and 2% disagreed that the pace of the course was appropriate. 53% students were strongly agreed, 41% agreed, 2% uncertain and 2% disagreed that Ideas and concepts were presented clearly. 53% students were strongly agreed, 44% agreed and 2% disagreed that the method of assessment were reasonable. 39% students were strongly agreed, 53% agreed, 4% uncertain and 2% disagreed that Feedback on assessment was timely. 41% students were strongly agreed, 41% agreed, 13% uncertain and 4% disagree that Feedback on assessment was helpful. 53% students were strongly agreed, 41% agreed, 2% uncertain and 2% disagreed that they understood the lectures. 44% students were strongly agreed, 51% agreed, 4% uncertain and 3% strongly disagreed that the material was well organized and presented. 53% students were strongly agreed and 44% agreed that the instructor was responsive to student needs and problems. 62% agreed that instructor has been regular throughout the course. 34% students were strongly agreed, 53% agreed, and 11% uncertain that the material in the tutorials was useful. 39% students were strongly agreed, 46% agreed and 9% uncertain that they were happy with the amount of work needed for tutorials. 46% students were strongly agreed, 46% agreed, 2% uncertain and 2% disagreed that the tutor dealt effectively with my problems. 51% students were strongly agreed, 41% agreed, 4% uncertain and 2% disagreed that the materials in practical was useful. 53% students were strongly agreed, 41% agreed, 2% uncertain and 2% disagreed that The demonstrators dealt effectively with my problems.

ENT-603:49% students were strongly agreed, 43% agreed and 8% uncertain that course objective was clear. 41% students were strongly agreed, 51% agreed and 4% uncertain, 4%

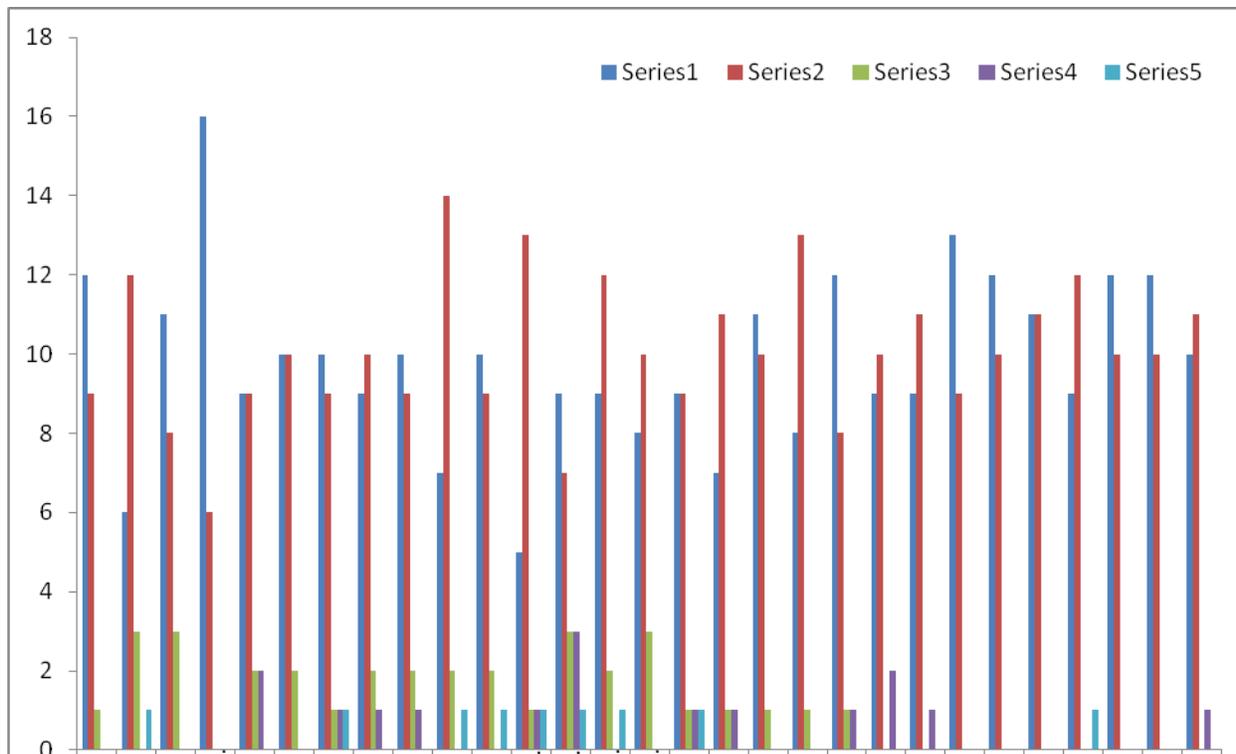


Fig. (ENT-507)

disagreed that the course workload was manageable. 31% students were strongly agreed that The Course was well organized while remaining 51% and 16% were simply agreed and uncertain respectively. 47% students were strongly agreed, 37% students agreed and 16 % students uncertain that Approximate level of their own attendance during the whole Course. 45% students were strongly agreed, 45 % agreed, 8% uncertain and 4% disagreed that they actively participate in the class. 33% students were strongly agreed, 53% agreed, 10% uncertain, 4% disagree and 2% strongly disagree that they have made progress in this course. 41% students were strongly agreed, 53% agreed, 6% uncertain and 2% disagreed that the Course was well structured to achieve the learning outcomes. 45% students were strongly agreed, 53% agreed and 4% uncertain that the learning and teaching methods encouraged participation. 55% students were strongly agreed, 43% agreed, 4% uncertain that the overall environment in the class was conducive to learning. 39% students were strongly agreed, 49% agreed, 10% uncertain, 2% disagreed and 2% strongly disagree that Classrooms were satisfactory. 39% students were strongly agreed, 59% agreed and 4% uncertain that Learning materials were relevant and useful. 39% students were strongly agreed, 51% agreed, 6% uncertain and 2% disagreed that recommended reading books etc. were relevant and appropriate. 37% students were strongly

agreed, 45% agreed, 8% uncertain and 8% disagreed that the provision of learning resources in the library was adequate and appropriate. 43% students were strongly agreed, 49% agreed, 6% uncertain and 2% disagree that the provision of learning resources on the web was adequate and appropriate. 45% students were strongly agreed, 45% agreed, 4% uncertain and 4% disagreed that the course stimulated by interest and thought on the subject area. 37% students were strongly agreed, 51% agreed, 8% uncertain and 2% disagreed that the pace of the course was appropriate. 41% students were strongly agreed and 45% agreed that ideas and concepts were presented clearly. 31% students were strongly agreed, 51% agreed, 6% uncertain and 4% disagreed that the method of assessment were reasonable. 37% students were strongly agreed, 49% agreed and 6% uncertain that Feedback on assessment was timely. 43% students were strongly agreed, 47% agreed, 4% uncertain and 2% disagree that Feedback on assessment was helpful. 43% students were strongly agreed, 41% agreed and 6% uncertain that they understood the lectures. 35% students were strongly agreed, 53% agreed and 8% uncertain that the material was well organized and presented. 51% students were strongly agreed, 37% agreed and 10% uncertain that the instructor was responsive to student needs and problems. 60% strongly agreed, 29% agreed and 6% uncertain that the instructor has been regular throughout the course. 29% students were strongly agreed, 47% agreed, and 14% uncertain that the material in the tutorials was useful. 33% students were strongly agreed, 39% agreed and 8% uncertain that they were happy with the amount of work needed for tutorials. 31% students were strongly agreed, 41% agreed, 14% uncertain and 4% strongly disagreed that the tutor dealt effectively with my problems. 35% students were strongly agreed, 49% agreed, 8% uncertain and 4% disagreed that the material in practical was useful. 27% students were strongly agreed, 53% agreed, 10% uncertain and 2% disagreed that the demonstrators dealt effectively with my problems.

ENT-402, Dr. Muhammad Asif Aziz:

76% students were strongly agreed, 24% agreed that course objective was clear. 67% students were strongly agreed, 30% agreed and 3% uncertain that The Course workload was manageable. 73% students were strongly agreed that The Course was well organized while remaining 27% were simply agreed. 12% students were strongly agreed, 6% students agreed, 3% students uncertain, 12% student disagreed and 66% strongly disagreed that approximate level of their own attendance during the whole Course. 64% students were strongly agreed, 30% agreed and 6% uncertain they actively participate in the class. 58% students were strongly agreed, 30% agreed,

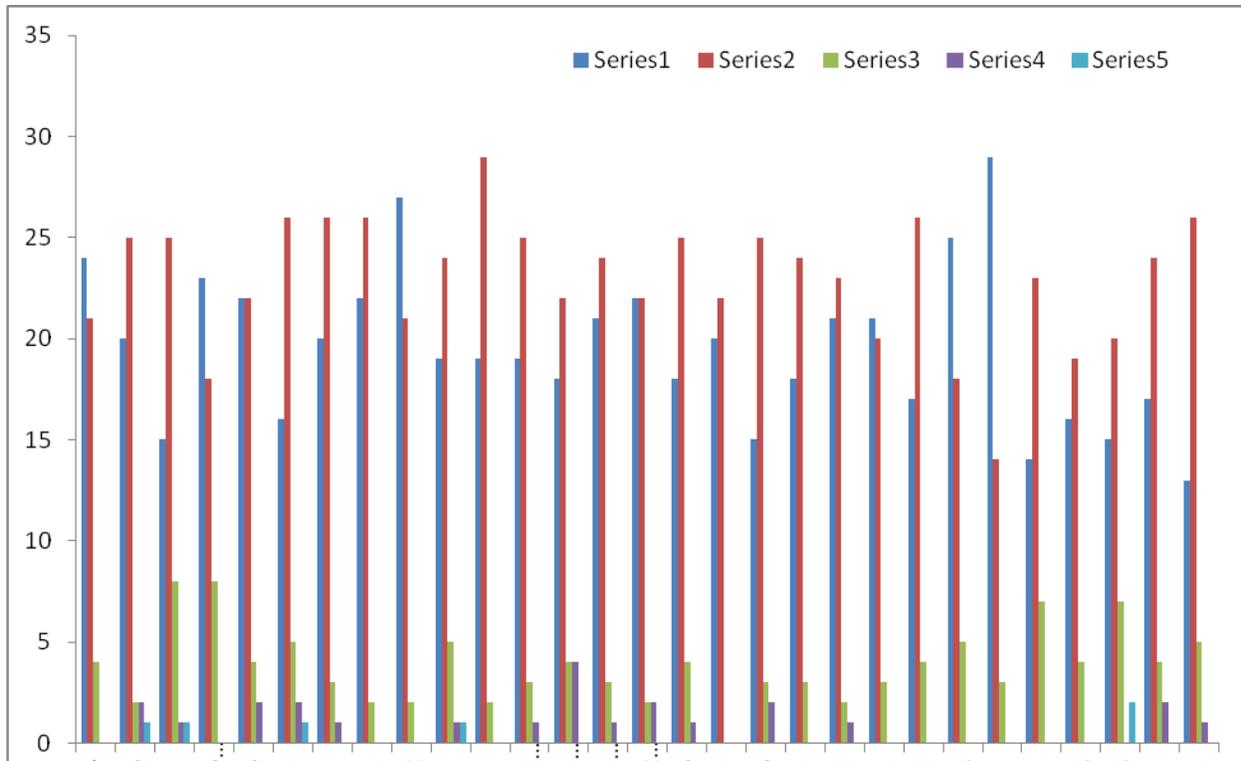


Fig. (ENT-603)

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6% uncertain, 3% disagree and 3% strongly disagree that they have made progress in this course. 61% students were strongly agreed, 36% agreed and 3% uncertain that the Course was well structured to achieve the learning outcomes. 64% students were strongly agreed and 36% agreed that the learning and teaching methods encouraged participation. 55% students were strongly agreed, 33% agreed, 3% uncertain and 9% strongly disagreed that the overall environment in the class was conducive to learning. 33% students were strongly agreed, 18% agreed, 3% uncertain, 6% disagree and 39% strongly disagree that Classrooms were satisfactory. 64% students were strongly agreed and 36% agreed that Learning materials were relevant and useful. 52% students were strongly agreed, 42% agreed and 6% uncertain that Recommended reading books etc. were relevant and appropriate. 52% students were strongly agreed, 33% agreed, 6% uncertain, 6% disagree and 3% strongly disagreed that the provision of learning resources in the library was adequate and appropriate. 61% students were strongly agreed, 24% agreed, 9% uncertain and 6% strongly disagree that the provision of learning resources on the web was adequate and appropriate. 61% students were strongly agreed, 36% agreed and 3% disagreed that the course stimulated by interest and thought on the subject area. 52% students were strongly agreed, 36%

agreed and 12% uncertain that the pace of the course was appropriate. 64% students were strongly agreed, 30% agreed and 6% uncertain that Ideas and concepts were presented clearly. 57% students were strongly agreed, 36% agreed, 3% uncertain and 3% disagreed that the method of assessment were reasonable. 52% students were strongly agreed, 42% agreed, 3% uncertain and 3% disagreed that Feedback on assessment was timely. 60% students were strongly agreed, 33% agreed and 6% disagree that Feedback on assessment was helpful. 52% students were strongly agreed, 45% agreed and 3% disagreed that they understood the lectures. 58% students were strongly agreed, 33% agreed, 6% uncertain and 3% disagreed that the material was well organized and presented. 58% students were strongly agreed, 36% agree, 3% uncertain and 3% disagreed that the instructor was responsive to student needs and problems. 67% students were strongly agreed, 24% agreed, 6% uncertain and 3% disagreed that The material in the tutorials was useful. 39% students were strongly agreed, 33% agreed, 12% uncertain, 9% disagree and 6% strongly disagreed that they were happy with the amount of work needed for tutorials. 36% students were strongly agreed, 30% agreed, 12% uncertain, 12% disagree and 9% strongly disagreed that The tutor dealt effectively with my problems. 39% students were strongly agreed,.

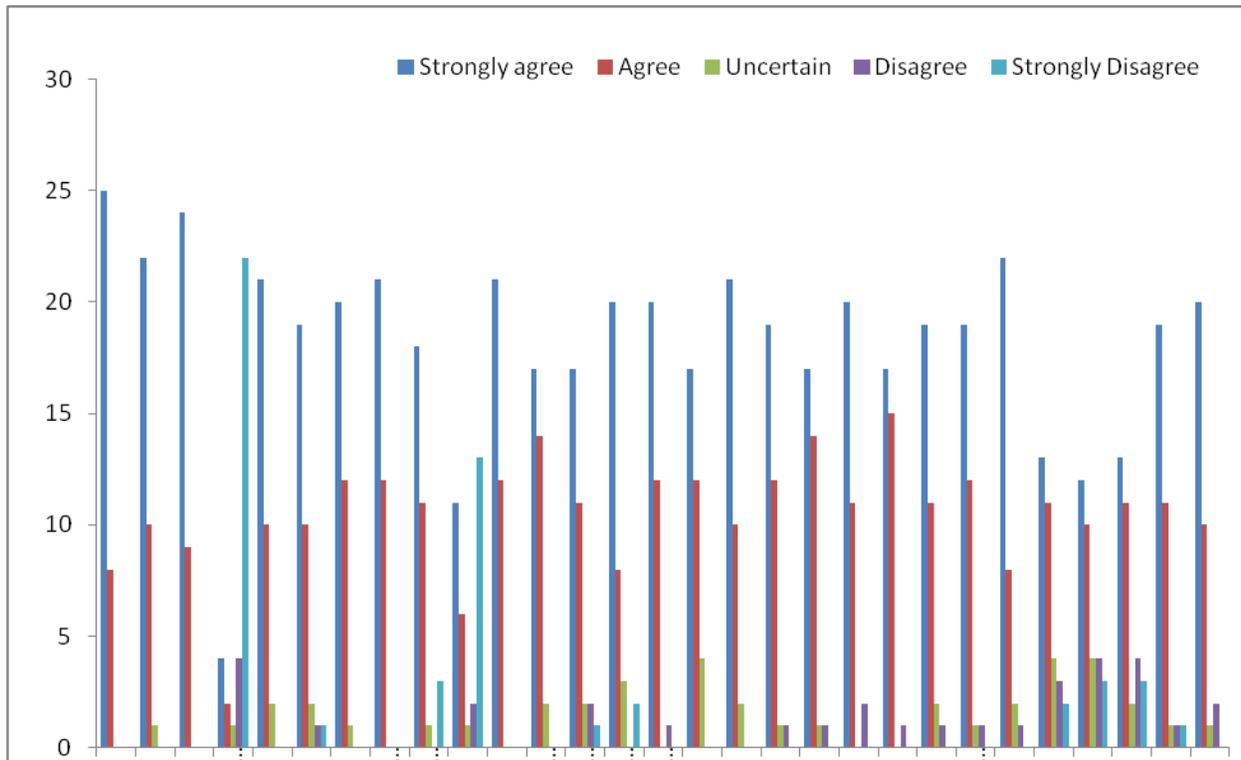


Fig. (ENT-402)

33% agreed, 6% uncertain, 12% disagree and 9% strongly disagreed that the materials in practical was useful. 58% students were strongly agreed, 33% agreed, 3% uncertain, 3% disagree and 3% strongly disagreed that The demonstrators dealt effectively with my problems

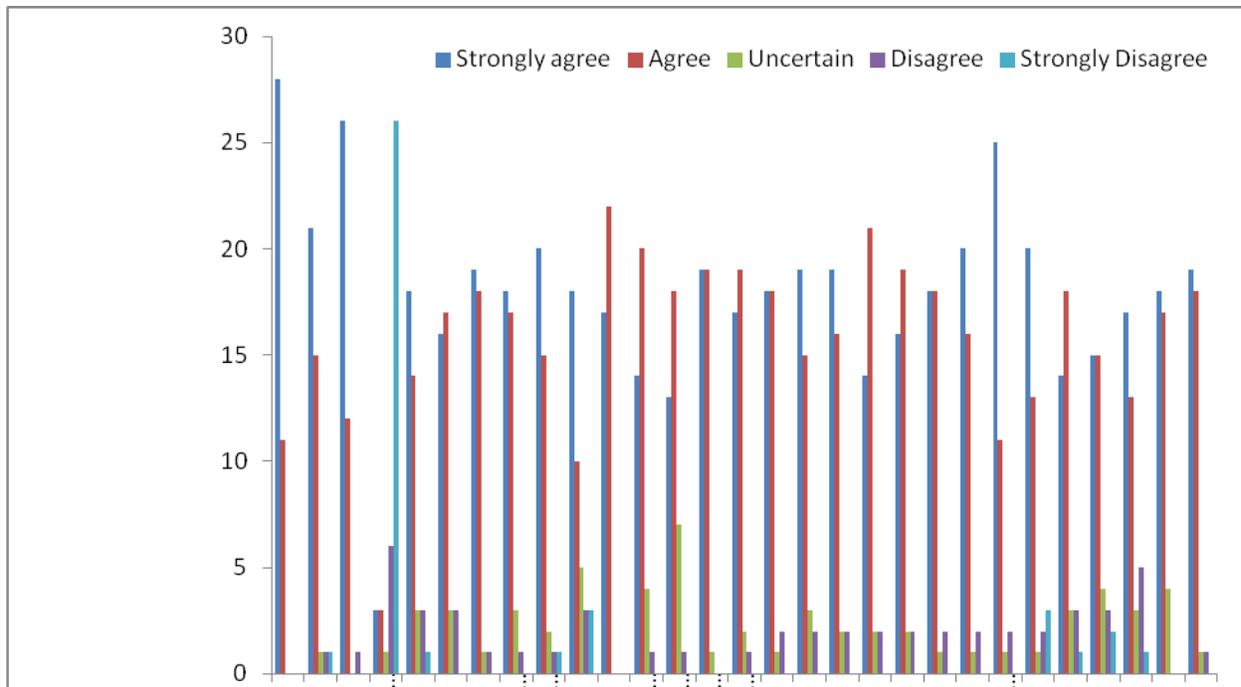
ENT-402, Dr. Muhammad Tariq:

72% students were strongly agreed, and 28% agreed that course objective was clear. 54% students were strongly agreed, 38% agreed and 3% uncertain, 3% disagreed and 3% strongly disagreed that the course workload was manageable. 67% students were strongly agreed that The Course was well organized while remaining 31% and 2% were simply agreed and disagree respectively. 7% students were strongly agreed, 8% students agreed and 2 % students uncertain, 15% disagreed and 66% strongly disagree that approximate level of their own attendance during the whole Course. 46% students were strongly agreed, 36 % agreed, 8% uncertain, 8% disagreed and 2% strongly disagreed that they actively participate in the class. 41% students were strongly agreed, 44% agreed, 8% uncertain, and 8% disagree that they have made progress in this course. 49% students were strongly agreed, 46% agreed, 3% uncertain and 3% disagreed that the Course was well structured to achieve the learning outcomes. 46% students were strongly agreed, 43% agreed and 8% uncertain and 2% disagreed that the learning and teaching methods encouraged participation. 51% students were strongly agreed, 38% agreed, 5% uncertain, 2% disagreed and 2% strongly disagreed that the overall environment in the class was conducive to learning. 46% students were strongly agreed, 26% agreed, 13% uncertain, 8% disagreed and 8% strongly disagree that Classrooms were satisfactory. 44% students were strongly agreed, 56% agreed that Learning materials were relevant and useful. 36% students were strongly agreed, 51% agreed, 10% uncertain and 3% disagreed that recommended reading books etc. were relevant and appropriate. 33% students were strongly agreed, 46% agreed, 17% uncertain and 3% disagreed that the provision of learning resources in the library was adequate and appropriate. 49% students were strongly agreed, 49% agreed, and 2% uncertain that the provision of learning resources on the web was adequate and appropriate. 44% students were strongly agreed, 49% agreed, 5% uncertain and 3% disagreed that the course stimulated by interest and thought on the subject area. 46% students were strongly agreed, 46% agreed, 3% uncertain and 5% disagreed that the pace of the course was appropriate. 49% students were strongly agreed and 38% agreed, 8% uncertain and 5% disagreed that ideas and concepts were presented clearly. 49% students were strongly agreed, 41% agreed, 5% uncertain and 5% disagreed that the method of assessment were

reasonable. 36% students were strongly agreed, 54% agreed and 5% uncertain and 5% disagreed that Feedback on assessment was timely. 41% students were strongly agreed, 49% agreed, 5% uncertain and 5% disagree that Feedback on assessment was helpful. 46% students were strongly agreed, 46% agreed and 3% uncertain and 5% disagreed that they understood the lectures. 51% students were strongly agreed, 41% agreed and 3% uncertain and 5% disagreed that the material was well organized and presented. 64% students were strongly agreed, 28% agreed and 3% uncertain and 5% disagreed that the instructor was responsive to student needs and problems. 51% strongly agreed, 33% agreed and 3% uncertain, 5% disagreed and 8% strongly disagreed that the instructor has been regular throughout the course. 36% students were strongly agreed, 46% agreed, and 8% uncertain 8% disagreed and 3% strongly disagreed that the material in the tutorials was useful. 38% students were strongly agreed, 38% agreed and 10% uncertain, 8% disagreed and 5% strongly disagreed that they were happy with the amount of work needed for tutorials. 44% students were strongly agreed, 33% agreed, 8% uncertain, 13% disagreed and 3% strongly disagreed that the tutor dealt effectively with my problems. 46% students were strongly agreed, 44% agreed, and 10% uncertain that the material in practical was useful. 49% students were strongly agreed, 46% agreed, 3% uncertain and 3% disagreed that the demonstrators dealt effectively with my problems.

ENT-402 A, Dr. Imran Bodlah:

58% students were strongly agreed, 40% agreed and 2% strongly agreed that course objective was clear. 40% students were strongly agreed, 44% agreed and 13% uncertain, 4% strongly disagreed that the course workload was manageable. 42% students were strongly agreed that The Course was well organized while remaining 38%, 17% and 4% were simply agreed, uncertain and disagreed respectively. 10% students were strongly agreed, 6% students agreed and 6% students uncertain, 10% disagreed and 67% strongly agreed that approximate level of their own attendance during the whole Course. 33% students were strongly agreed, 40% agreed, 21% uncertain, 4% disagreed and 2% strongly disagreed that they actively participate in the class. 40% students were strongly agreed, 35% agreed, 10% uncertain, 8% disagree and 6% strongly disagree that they have made progress in this course. 35% students were strongly agreed, 42% agreed, 15% uncertain, 4% disagreed and 4% strongly disagreed that the Course was well structured to achieve the learning outcomes. 46% students were strongly agreed, 40% agreed and



students were strongly agreed, 46% agreed, 4% uncertain and 6% disagreed that the method of assessment were reasonable. 33% students were strongly agreed, 48% agreed and 10% uncertain and 8% disagreed that Feedback on assessment was timely. 42% students were strongly agreed, 42% agreed, 10% uncertain and 6% disagree that Feedback on assessment was helpful. 46% students were strongly agreed, 40% agreed and 4% uncertain, 4% disagreed and 2% strongly disagreed that they understood the lectures. 48% students were strongly agreed, 33% agreed and 10% uncertain, 6% disagreed and 2% strongly disagreed that the material was well organized and presented. 52% students were strongly agreed, 31% agreed and 10% uncertain and 6% disagreed that the instructor was responsive to student needs and problems. 56% strongly agreed, 29% agreed and 4% uncertain, 8% disagreed and 2% strongly disagreed that the instructor has been regular throughout the course. 35% students were strongly agreed, 40% agreed, and 8% uncertain, 6% disagreed and 10% strongly disagreed that the material in the tutorials was useful. 40% students were strongly agreed, 31% agreed and 6% uncertain, 8% disagreed and 13% strongly disagreed that they were happy with the amount of work needed for tutorials. 42% students were strongly agreed, 33% agreed, 6% uncertain and 10% disagreed and 8% strongly disagreed that the tutor dealt effectively with my problems. 48% students were strongly agreed, 33% agreed, 6% uncertain, 8% disagreed and 4% strongly disagreed that the material in practical

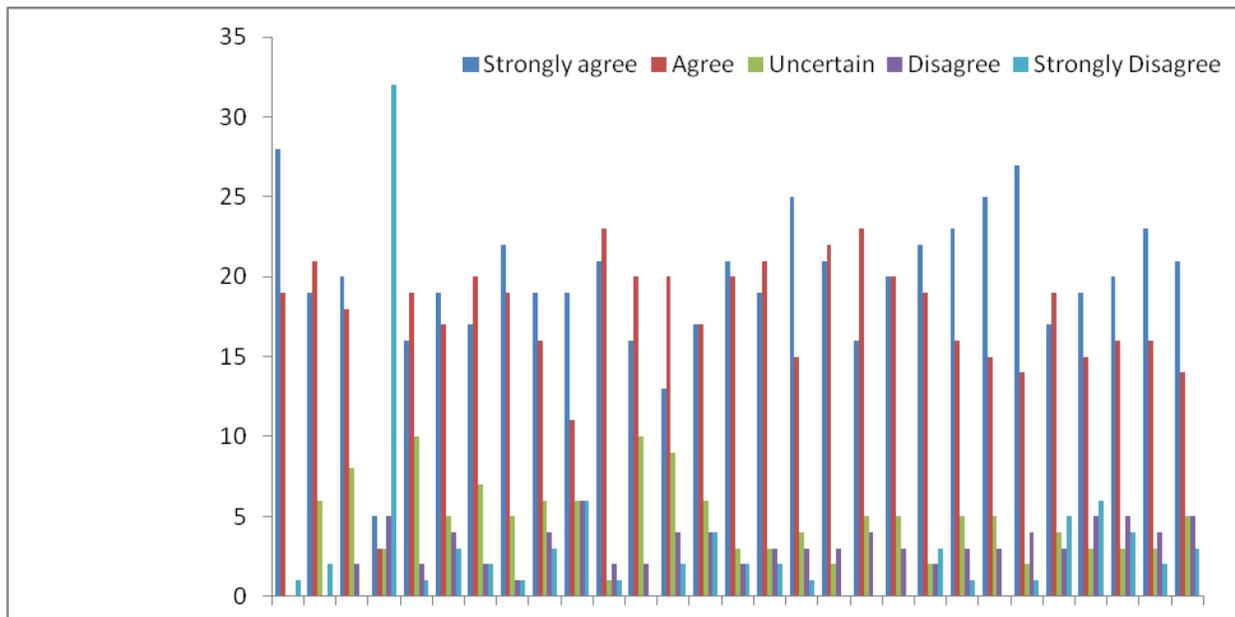


Fig. (ENT-402)

was useful. 44% students were strongly agreed, 29% agreed, 10% uncertain and 10% disagreed and 6% strongly disagreed that the demonstrators dealt effectively with my problems.

ENT-402 B, Dr. Imran Bodlah:

68% students were strongly agreed, and 32% agreed that course objective was clear. 53% students were strongly agreed, 32% agreed and 5% uncertain, 11% disagreed that the course workload was manageable. 47% students were strongly agreed that The Course was well organized while remaining 26%, 15% and 11% were simply agreed, uncertain and disagreed respectively. 5% students agreed 21 % students uncertain and 74% strongly disagreed that approximate level of their own attendance during the whole Course. 32% students were strongly agreed, 58% agreed, 5% uncertain and 5% strongly disagreed that they actively participate in the class. 16% students were strongly agreed, 63% agreed, 11% uncertain, 5% disagree and 5% strongly disagree that they have made progress in this course. 47% students were strongly agreed, 42% agreed, 11% uncertain that the Course was well structured to achieve the learning outcomes. 42% students were strongly agreed, 47% agreed and 5% uncertain and 5% disagree that the learning and teaching methods encouraged participation. 58% students were strongly agreed, 32% agreed, 5% uncertain and, 5% disagree that the overall environment in the class was conducive to learning. 52% students were strongly agreed, 37% agreed, 5% uncertain, 5% disagreed that Classrooms were satisfactory. 47% students were strongly agreed, 47% agreed and 5% uncertain that Learning materials were relevant and useful. 37% students were strongly agreed, 53% agreed, 5% uncertain and 5% disagreed that recommended reading books etc. were relevant and appropriate. 53% students were strongly agreed, 37% agreed, 5% uncertain and 5% disagreed that the provision of learning resources in the library was adequate and appropriate. 42% students were strongly agreed, 42% agreed, 5% uncertain and 11% disagree that the provision of learning resources on the web was adequate and appropriate. 37% students were strongly agreed, 53% agreed, 5% uncertain and 5% disagreed that the course stimulated by interest and thought on the subject area. 42% students were strongly agreed, 53% agreed and 5% disagreed that the pace of the course was appropriate. 42% students were strongly agreed and 53% agreed and 5% disagreed that ideas and concepts were presented clearly. 47% students were strongly agreed, 47% agreed and 5% disagreed that the method of assessment were reasonable. 42% students were strongly agreed, 53% agreed and 5% disagreed that Feedback on assessment was timely. 47% students were strongly agreed, 42% agreed, 5% disagree and 5% strongly

disagree that Feedback on assessment was helpful. 47% students were strongly agreed, 42% agreed 5% disagree and 5% strongly disagree that they understood the lectures. 42% students were strongly agreed, 53% agreed and 5% strongly that the material was well organized and presented. 42% students were strongly agreed, 47% agreed, 5% uncertain and 5% strongly disagree that the instructor was responsive to student needs and problems. 32% strongly agreed, 53% agreed and 5% uncertain, 5% disagree and 5% strongly disagree that the instructor has been regular throughout the course. 32% students were strongly agreed, 53% agreed, 11% disagree and 5% strongly disagree that the material in the tutorials was useful. 32% students were strongly agreed, 47% agreed and 5% uncertain, 11% disagree and 5% strongly disagree that they were happy with the amount of work needed for tutorials. 42% students were strongly agreed, 53% agreed, and 5% disagreed that the tutor dealt effectively with my problems. 35% students were strongly agreed, 49% agreed, 8% uncertain and 4% disagreed that the material in practical was useful. 42% students were strongly agreed, 53% agreed and 5% disagree that the demonstrators dealt effectively with my problems.

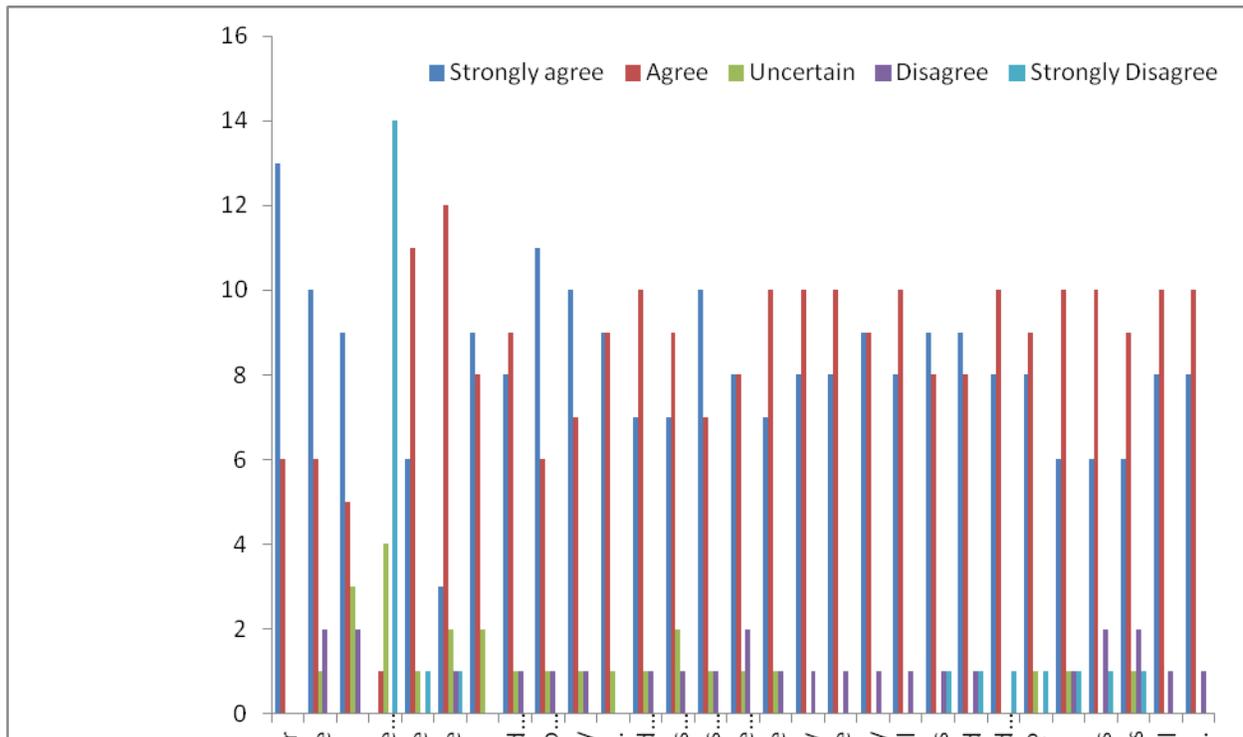


Fig. (ENT-402)

ENT-402 A, Dr. Munir Ahmad

47% students were strongly agreed, 43% agreed and 6.1% uncertain that course objective was clear. 26% students were strongly agreed, 58% agreed and 4% uncertain, 6.1% disagreed that the course workload was manageable. 15% students were strongly agreed that The Course was well organized while remaining 6.1% 47% students were strongly agreed, 29% students agreed and 41 % students uncertain that Approximate level of their own attendance during the whole Course. 45% students were strongly agreed, 45 % agreed, 8% uncertain and 4% disagreed that they actively participate in the class. 32% students were strongly agreed, 30% agreed, 24% uncertain, 9% disagree and 9% strongly disagree that they have made progress in this course. 27% students were strongly agreed, 52% agreed, 12% uncertain and 4.6% disagreed that the Course was well structured to achieve the learning outcomes. 20% students were strongly agreed, 50% agreed and 18% uncertain that the learning and teaching methods encouraged participation. 55% students were strongly agreed, 43% agreed, 4% uncertain that the overall environment in the class was conducive to learning. 27% students were strongly agreed, 46% agreed, 15% uncertain, 4% disagreed and 6% strongly disagree that Classrooms were satisfactory. 35% students were strongly agreed, 29% agreed and 21% uncertain that Learning materials were relevant and useful. 38% students were strongly agreed, 47% agreed, 7.6% uncertain and 3% disagreed that recommended reading books etc. were relevant and appropriate. 32% students were strongly agreed, 50% agreed, 12% uncertain and 3% disagreed that the provision of learning resources in the library was adequate and appropriate. 30% students were strongly agreed, 46% agreed, 13% uncertain and 3% disagree that the provision of learning resources on the web was adequate and appropriate. 27% students were strongly agreed, 52% agreed, 10% uncertain and 3% disagreed that the course stimulated by interest and thought on the subject area. 25% students were strongly agreed, 52% agreed, 14% uncertain and 6.25% disagreed that the pace of the course was appropriate. 27.08% students were strongly agreed and 43% agreed that ideas and concepts were presented clearly. 27.08% students were strongly agreed, 35% agreed, 22% uncertain and 6% disagreed that the method of assessment were reasonable. 25% students were strongly agreed, 39% agreed and 22% uncertain that Feedback on assessment was timely. 20.83% students were strongly agreed, 41% agreed, 14% uncertain and 10% disagree that Feedback on assessment was helpful. 33% students were strongly agreed, 39% agreed and 8% uncertain that they understood the lectures. 29% students were strongly agreed, 39% agreed and 16% uncertain that the material was well organized and presented. 27% students

were strongly agreed, 48% agreed and 10% uncertain and 8% disagreed and 6% strongly disagreed that the instructor was responsive to student needs and problems. 29% strongly agreed, 43% agreed and 14% uncertain and 9% disagreed and 5% strongly disagreed that the instructor has been regular throughout the course. 29% students were strongly agreed, 38% agreed, and 18% uncertain and 8% disagreed and 6% strongly disagreed that the material in the tutorials was useful. 29% students were strongly agreed, 38% agreed and 20% uncertain and 6% disagreed and 6% strongly disagreed that they were happy with the amount of work needed for tutorials. 28% students were strongly agreed, 41.37% agreed, 18% uncertain and 10% disagreed and 4% strongly disagreed that the tutor dealt effectively with my problems. 34% students were strongly agreed, 38% agreed, 12% uncertain and 9% disagreed and 3% strongly disagreed that the material in practical was useful. 30% students were strongly agreed, 38% agreed, 17% uncertain and 11% disagreed and 3% strongly disagreed that the demonstrators dealt effectively with my problems.

ENT-402 B, Dr Ata ul Mohsin:

45% students were strongly agreed, 47% agreed and 4.1% uncertain that course objective was clear. 22% students were strongly agreed, 62% agreed and 6.25% uncertain, 4.1% disagreed that the course workload was manageable. 18% students were strongly agreed that The Course was well organized while remaining 64% and 6.25% were simply agreed and uncertain respectively. 14.58% students were strongly agreed, 6.25% students agreed and 0 % students uncertain that Approximate level of their own attendance during the whole Course. 27% students were strongly agreed, 41 % agreed, 8% uncertain and 4% disagreed that they actively participate in the class. 33% students were strongly agreed, 53% agreed, 10% uncertain, 20% disagree and 8% strongly disagree that they have made progress in this course. 22% students were strongly agreed, 54% agreed, 14% uncertain and 6.25% disagreed that the Course was well structured to achieve the learning outcomes. 18.75% students were strongly agreed, 45% agreed and 4% uncertain that the learning and teaching methods encouraged participation. 22% students were strongly agreed, 45% agreed, 20% uncertain that the overall environment in the class was conducive to learning

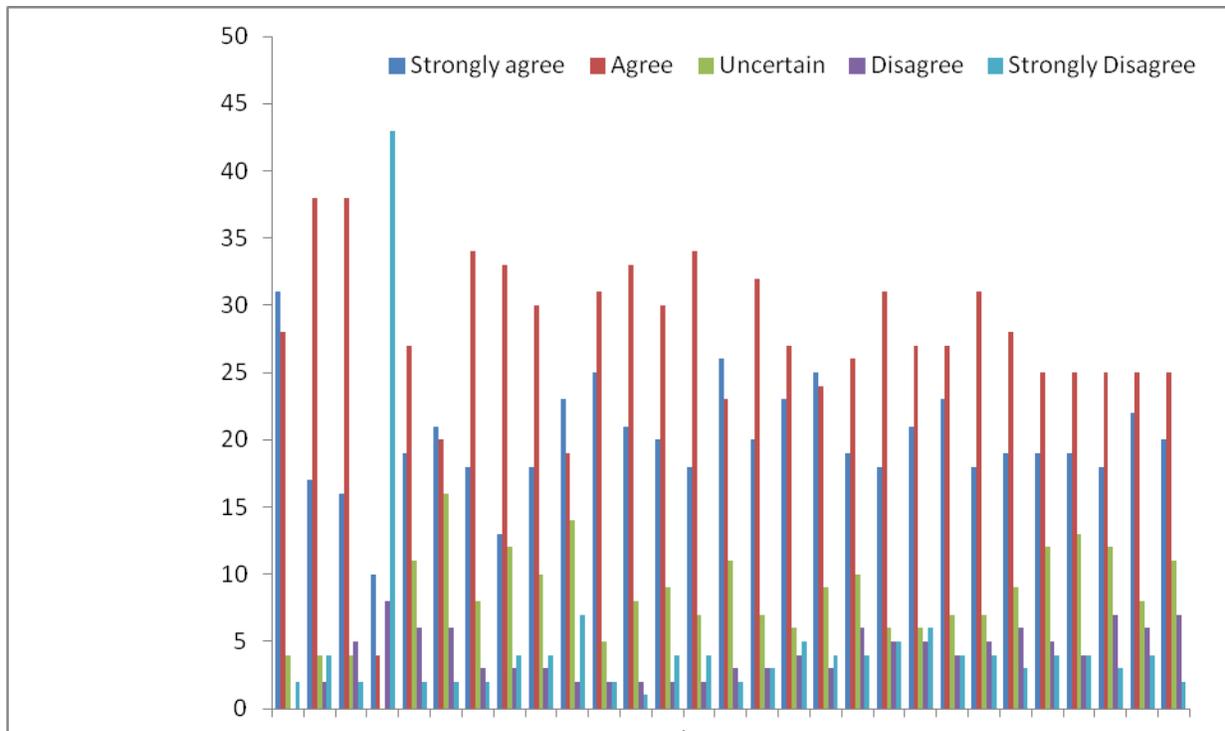


Fig. (ENT-402)

.33% students were strongly agreed, 31% agreed, 18% uncertain, 18% disagreed and 2% strongly disagree that Classrooms were satisfactory. 37% students were strongly agreed, 47% agreed and 8.3% uncertain that Learning materials were relevant and useful. 31% students were strongly agreed, 50% agreed, 14% uncertain and 4.1% disagreed that recommended reading books etc. were relevant and appropriate. 27% students were strongly agreed, 45% agreed, 18% uncertain and 2.8% disagreed that the provision of learning resources in the library was adequate and appropriate. 22.91% students were strongly agreed, 56% agreed, 10% uncertain and 4.1% disagree that the provision of learning resources on the web was adequate and appropriate. 31% students were strongly agreed, 41% agreed, 18% uncertain and 6.2% disagreed that the course stimulated by interest and thought on the subject area. 29% students were strongly agreed, 52% agreed, 8.3% uncertain and 6.2% disagreed that the pace of the course was appropriate. 35% students were strongly agreed and 39% agreed that ideas and concepts were presented clearly. 33% students were strongly agreed, 39% agreed, 16% uncertain and 8.3% disagreed that the method of assessment were reasonable. 29% students were strongly agreed, 37% agreed and 16% uncertain that Feedback on assessment was timely. 25% students were strongly agreed, 47% agreed, 10% uncertain and 10% disagree that Feedback on assessment was helpful. 29% students were strongly agreed, 39% agreed and 12% uncertain that they understood the lectures.

38% students were strongly agreed, 35% agreed and 8.3% uncertain that the material was well organized and presented. 25% students were strongly agreed, 52% agreed and 14% uncertain that the instructor was responsive to student needs and problems. 27% strongly agreed, 43% agreed and 22% uncertain that the instructor has been regular throughout the course. 27% students were strongly agreed, 35% agreed, and 22% uncertain that the material in the tutorials was useful. 25% students were strongly agreed, 39% agreed and 8% uncertain that they were happy with the amount of work needed for tutorials. 20% students were strongly agreed, 41% agreed, 14% uncertain and 4% strongly disagreed that the tutor dealt effectively with my problems. 33% students were strongly agreed, 39% agreed, 8% uncertain and 4% disagreed that the material in practical was useful. 29% students were strongly agreed, 39% agreed, 16% uncertain and 10% disagreed that the demonstrators dealt effectively with my problems.

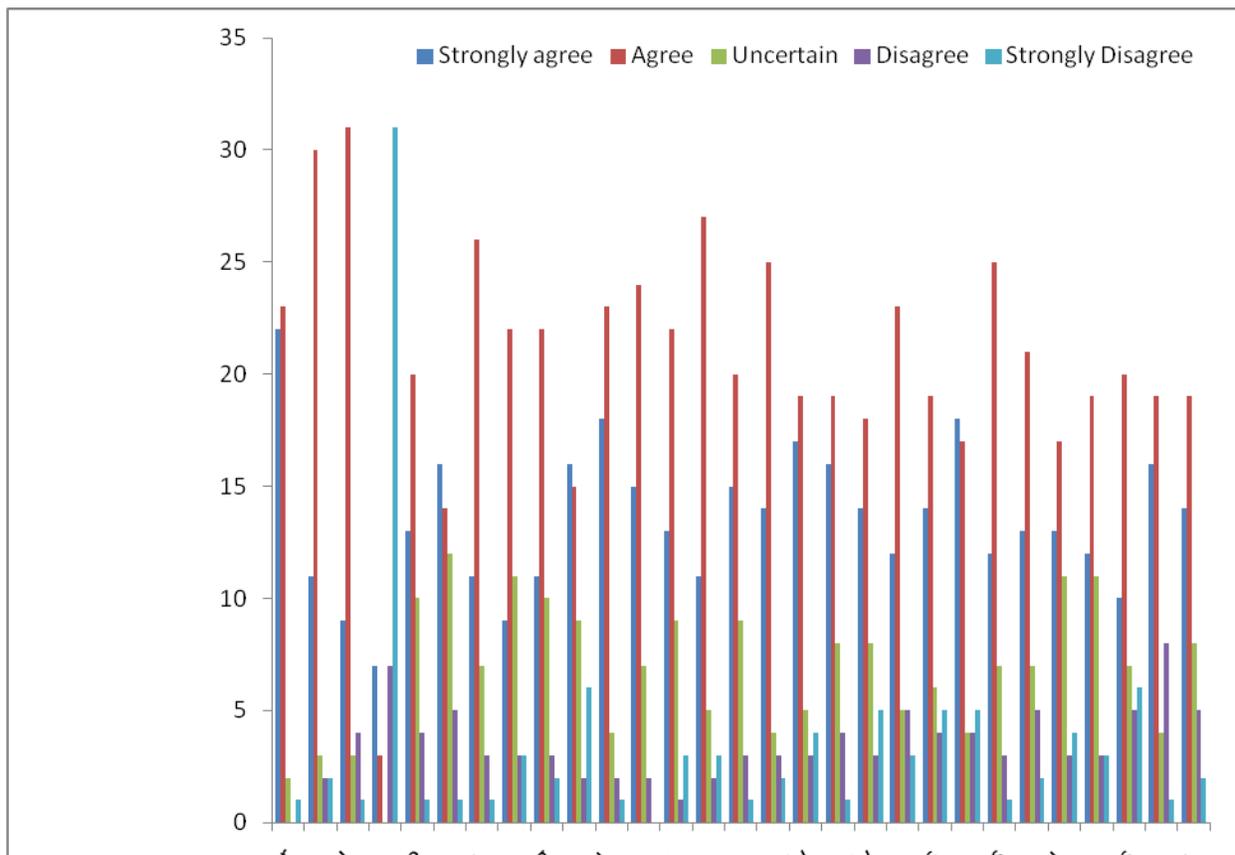


Fig. (ENT-402)

ENT-402 (C), Dr. Asif aziz:

60% students were strongly agreed, 36% agreed and 1.4% uncertain that course objective was clear. 42% students were strongly agreed, 39% agreed and 10% uncertain, 4% disagreed that the

course workload was manageable. 42% students were strongly agreed that The Course was well organized while remaining 33% and 16% were simply agreed and uncertain respectively. 11% students were strongly agreed, 4% students agreed and 8 % students uncertain that Approximate level of their own attendance during the whole Course. 32% students were strongly agreed, 44 % agreed, 16% uncertain and 2.9% disagreed that they actively participate in the class. 32% students were strongly agreed, 42% agreed, 10% uncertain, 4% disagree and 2% strongly disagree that they have made progress in this course. 38% students were strongly agreed, 41% agreed, 13% uncertain and 1.4% disagreed that the Course was well structured to achieve the learning outcomes. 44% students were strongly agreed, 41% agreed and 8% uncertain that the learning and teaching methods encouraged participation. 44% students were strongly agreed, 32% agreed, 8% uncertain that the overall environment in the class was conducive to learning. 42% students were strongly agreed, 26% agreed, 10% uncertain, 2% disagreed and 2% strongly disagree that Classrooms were satisfactory.44% students were strongly agreed, 47% agreed and 4% uncertain that Learning materials were relevant and useful. 33% students were strongly agreed, 44% agreed, 16% uncertain and 2% disagreed that recommended reading books etc. were relevant and appropriate. 29% students were strongly agreed, 42% agreed, 8% uncertain and 8% disagreed that the provision of learning resources in the library was adequate and appropriate.39% students were strongly agreed, 35% agreed, 10% uncertain and 8% disagree that the provision of learning resources on the web was adequate and appropriate.42% students were strongly agreed, 41% agreed, 5% uncertain and 4% disagreed that the course stimulated by interest and thought on the subject area. 38% students were strongly agreed, 45% agreed, 5% uncertain and 7% disagreed that the pace of the course was appropriate. 48% students were strongly agreed and 36% agreed that ideas and concepts were presented clearly. 42% students were strongly agreed, 47% agreed, 2% uncertain and 7% disagreed that the method of assessment were reasonable. 36% students were strongly agreed, 47% agreed and 7% uncertain that Feedback on assessment was timely. 41% students were strongly agreed, 44% agreed, 7% uncertain and 7% disagree that Feedback on assessment was helpful.45% students were strongly agreed, 39% agreed and 2% uncertain that they understood the lectures. 47% students were strongly agreed, 35% agreed and 7% uncertain that the material was well organized and presented. 48% students were strongly agreed, 36% agreed and 7% uncertain that the instructor was responsive to student needs and problems. 51% strongly agreed, 33% agreed and 7%

uncertain that the instructor has been regular throughout the course. 33% students were strongly agreed, 42% agreed, and 7% uncertain that the material in the tutorials was useful. 36% students were strongly agreed, 36% agreed and 10% uncertain that they were happy with the amount of work needed for tutorials. 31% students were strongly agreed, 41% agreed, 14% uncertain and 4% strongly disagreed that the tutor dealt effectively with my problems. 38% students were strongly agreed, 36% agreed, 8% uncertain and 4% disagreed that the material in practical was useful. 42% students were strongly agreed, 35% agreed, 11% uncertain and 7% disagreed that the demonstrators dealt effectively with my problems.

ENT-506:

61% strongly agreed, 35% agree and 4% strongly disagreed that the course objectives were clear. 61% students strongly agreed, 35% agreed and 4% strongly disagreed on the course work load. 74% student’s strongly agreed, 17% agreed, 4% disagree and 4% strongly disagreed that the course was well organized. 22% students strongly agreed, 17% disagreed and 61% were strongly disagreed that they have made progress in this course. 65% students strongly agreed and 22%

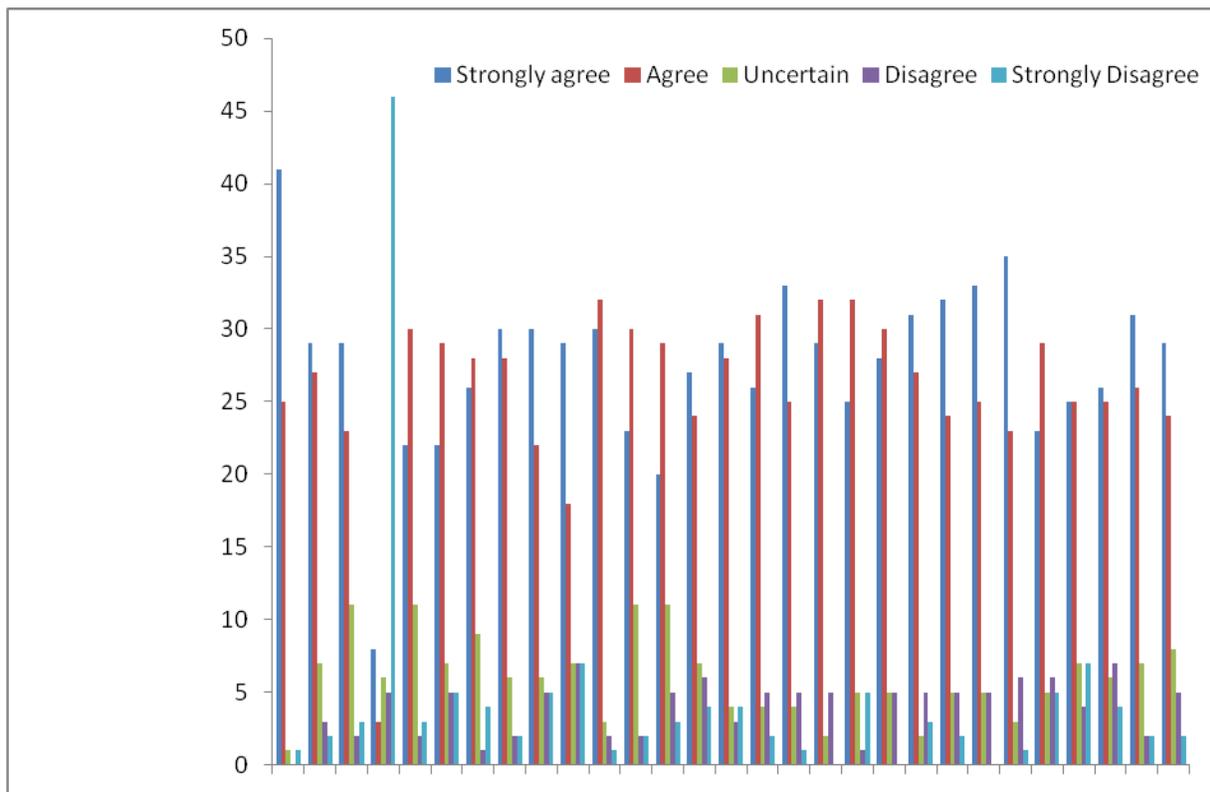


Fig. (ENT-402)

agreed, 9% were uncertain and 4% strongly disagreed that the course was well constructed to achieve the learning outcomes. 57% strongly agreed and 35% agreed and 4% disagreed that the learning and teaching methods encouraged participation. 74% students strongly agreed and 26% agreed that the recommended reading books were relevant and appropriate. 70% students strongly agreed and 26% agreed and 4% were uncertain that the classrooms were satisfactory. 65% students strongly agreed, 26% agreed, 4% uncertain and 4% strongly disagreed that the learning materials were relevant and useful. 65% students strongly agreed, 22% agreed, 9% uncertain and 4% strongly disagreed that the recommended books were relevant. 61% students strongly agreed, 35% agree and 4% strongly disagreed on the provision of learning resources in the library. 61% students strongly agreed, 30% agreed, 4% were disagree and 4% were strongly agreed on the provision of learning resources on the web. 83% students strongly agreed whereas 17% agree that the course stimulated interest and thought on the subject area. 65% students strongly agreed and 35% agreed, that the pace of the course was appropriate. 65% strongly agreed, 26% agreed, 4% uncertain, 4% strongly disagreed on ideas and concepts clarity. 61% students strongly agreed and 35% agreed that the methods of assessment were reasonable. 70% strongly agreed and 26% agreed and 4% were uncertain on feedback on assessment being timely. 65% strongly agreed and 26% agreed, 4% were uncertain and 4% strongly disagreed on assessments being helpful. 61% strongly agreed, 30% agreed and 4% were disagree and 4% strongly disagreed that they understood the lectures. 70% strongly agreed and 13% agree, 4% uncertain, 9% disagree and 4% disagreed on the materials being well organized and well presented. 65% strongly agreed and 30% agreed and 4% were disagreed on instructor being responsive to student's needs and problems. 74% strongly agreed, 17% agreed, 4% uncertain and 4% strongly disagreed on the instructor being the regularity of the instructor. 65% strongly agreed, 26% agreed and 9% disagreed on the materials being useful. 65% strongly agreed, 4% agreed and 4% uncertain on being happy the amount of work given in tutorials. 70% strongly agreed, 22% agreed and 9% uncertain that the tutor dealt effectively with their problems. 70% strongly agreed, 22% agreed and 9% were uncertain on practical material being useful or not. 65% strongly agreed, 26% agreed and 9% were uncertain on demonstrator being effective in dealing with their problems.

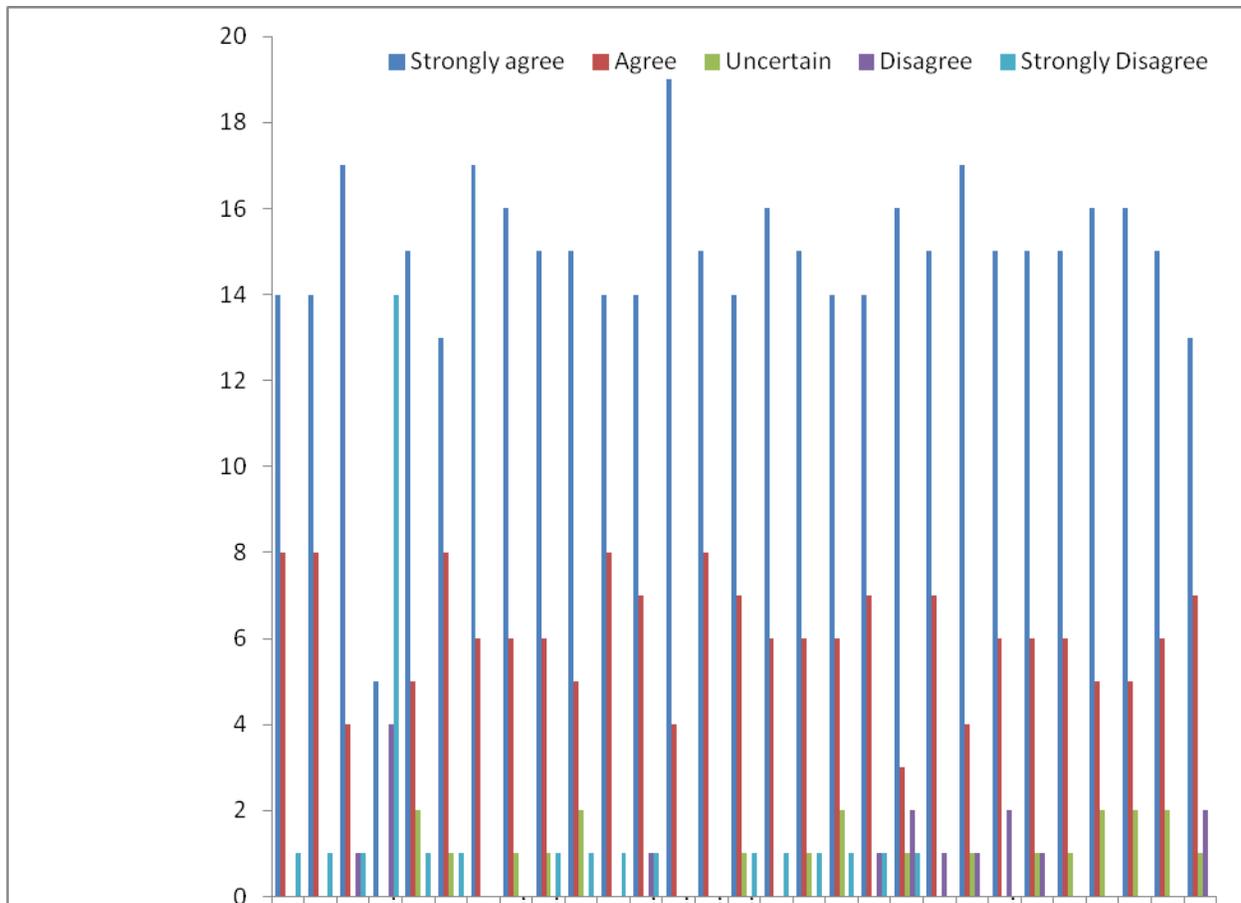


Fig. (ENT-506)

ENT-602:

52% strongly agreed and 48% agreed that the course objectives were clear. 57% students strongly agreed and 43% agreed on the course work load. 57% student's strongly agreed and 43% agreed that the course was well organized. 57% students disagreed and 43% strongly disagreed on approximate level of their own attendance. 13% students strongly agreed, 39% disagreed 48% were strongly disagreed that they participated actively in this course. 43% students strongly agreed, 48% agreed and 4% were uncertain, 4% disagreed that they have made progress in this course. 52% students strongly agreed and 39% agreed 4% uncertain and 4% strongly disagreed that the course was well constructed to achieve the learning outcomes. 57% strongly agreed and 39% agreed, 4 were uncertain on the learning and teaching methods encouraged participation. 52% students strongly agreed and 43% agreed, 4% uncertain on the recommended reading books were relevant and appropriate. 52% students strongly agreed and 48% agreed that the classrooms were satisfactory. 52% students strongly agreed and 48% agreed

that the learning materials were relevant and useful. 48% students strongly agreed and 52% agreed that the recommended books were relevant. 48% students strongly agreed and 52% agreed on the provision of learning resources in the library. 43% students strongly agreed and 57% agreed on the provision of learning resources on the web. 43% students strongly agreed whereas 48% agreed, 8% were uncertain that the course stimulated interest and thought on the subject area. 43% students strongly agreed and 57% agreed that the pace of the course was appropriate. 52% strongly agreed, 44% agreed, 4% were uncertain on ideas and concepts clarity. 52% students strongly agreed and 48% agreed were in strong disagreement that the methods of assessment were reasonable. 39% strongly agreed and 61% agreed on feedback on assessment being timely. 43% strongly agreed and 52% agreed, 5% were uncertain on assessments being helpful. 48% strongly agreed and 52% agreed that they understood the lectures. 48% strongly agreed and 52% agreed on the materials being well organized and well presented. 52% strongly agreed and 43% agreed and 5% were uncertain on instructor being responsive to student's needs and problems. 52% strongly agreed, 43% agreed and 5% uncertain on the instructor being the regularity of the instructor. 48% strongly agreed and 52% agreed on the materials being useful. 39% strongly agreed, 52% agreed whereas 9% were strongly disagreed on being happy the amount of work given in tutorials. 43% strongly agreed, 48% agreed and 9% uncertain that the tutor dealt effectively with their problems. 39% strongly agreed, 52% agreed and 4% were uncertain and 5% strongly disagreed on practical material being useful or not. 43% strongly agreed, 52% agreed and 5% were strongly disagreeing on demonstrator being effective in dealing with their problems.

ENT-504:

62% strongly agreed and 38% agreed that the course objectives were clear. 76% students strongly agreed, 19% agreed and 5% disagreed on the course work load. 67% student's strongly agreed, 29% agreed and 5% disagreed that the course was well organized. 29% students strongly agreed and 5% agreed, 14% disagreed and 52% strongly disagreed on approximate level of their own attendance. 48% students strongly agreed, 33% agreed 10% were uncertain and 5% disagreed and 5% strongly disagreed that they participated actively in this course. 43% students strongly agreed, 33% agreed and 5% were uncertain, 14% disagreed and 5% strongly disagreed that they have made progress in this course. 52% students strongly agreed and 43% agreed certain, 5% strongly disagreed that the course was well constructed to achieve the learning

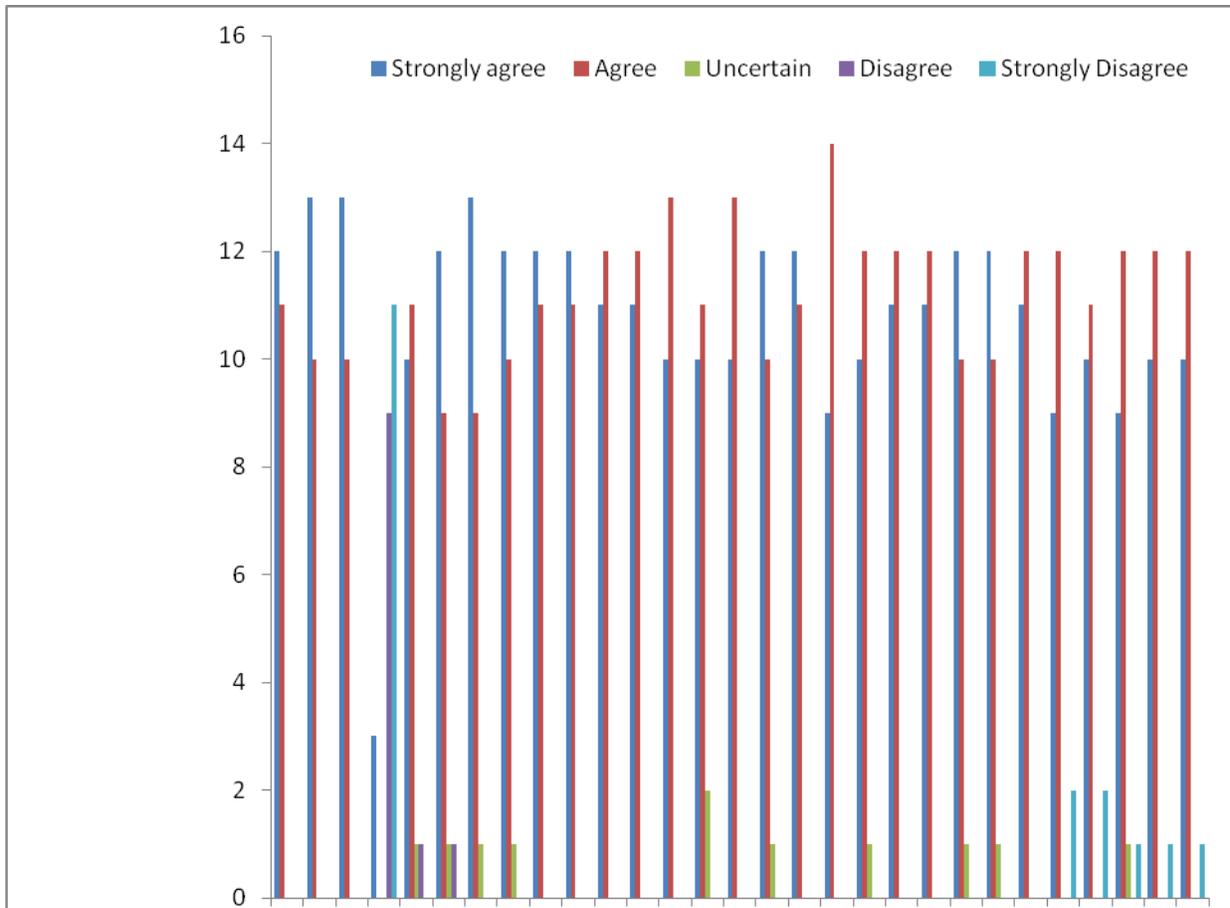


Fig. (ENT-602)

outcomes. 57% strongly agreed and 43% agreed that the learning and teaching methods encouraged participation. 62% students strongly agreed and 33% agreed and 5% uncertain that the recommended reading books were relevant and appropriate. 62% students strongly agreed and 33% agreed and 5% uncertain that the classrooms were satisfactory. 62% students strongly agreed and 38% agreed that the learning materials were relevant and useful. 57% students strongly agreed and 43% agreed that the recommended books were relevant. 62% students strongly agreed, 33% agreed and 5% uncertain on the provision of learning resources in the library. 67% students strongly agreed and 29% agreed on the provision of learning resources on the web. 71% students strongly agreed whereas 24% agreed, 5% were uncertain that the course stimulated interest and thought on the subject area. 62% students strongly agreed and 33% agreed and 5% were strongly disagreed that the pace of the course was appropriate. 62% strongly agreed, 29% agreed, 5% were uncertain whereas 5% strongly disagreed on ideas and concepts clarity. 67% students strongly agreed and 24% agreed, 5% were uncertain and 5% were in strong

disagreement that the methods of assessment were reasonable. 71% strongly agreed and 24% agree and 5% strongly disagreed on feedback on assessment being timely. 71% strongly agreed and 24% agreed whereas 5% strongly disagreed on assessments being helpful. 67% strongly agreed, 29% agreed and 5% strongly disagreed that they understood the lectures. 57% strongly agreed and 33% agreed, 5% were uncertain and 5% were strongly disagreeing on the materials being well organized and well presented. 67% strongly agreed and 24% agreed and 5% were uncertain and 5% strongly disagreed on instructor being responsive to student's needs and problems. 48% strongly agreed, 43% agreed, 5% uncertain and 5% strongly disagreed on the instructor being the regularity of the instructor. 57% strongly agreed, 29% agreed and 5% uncertain, 5% disagreed and 5% strongly disagreed on the materials being useful. 67% strongly agreed, 29% agreed whereas 5% were strongly disagreed on being happy the amount of work given in tutorials. 71% strongly agreed, 19% agreed, 5% disagreed and 5% strongly disagreed that the tutor dealt effectively with their problems. 9% strongly agreed, 26% agreed and 17% were uncertain and % strongly disagreed on practical material being useful or not. 13% strongly agreed, 23% agreed and 18% were uncertain and 32% were strongly disagreeing on demonstrator being effective in dealing with their problems.

ENT-508:

55% strongly agreed and 32% agreed, 5% uncertain, 5% disagreed and 5% strongly disagreed that the course objectives were clear. 36% students strongly agreed, 45% agreed, 5% uncertain 9%disagreed and 5% strongly disagreed on the course work load. 36% student's strongly agreed, 41% agreed, 5% uncertain 9% disagreed and 9% strongly disagreed that the course was well organized. 9% students strongly agreed, 14% agreed 9% uncertain 18% disagreed 50% strongly disagreed that they disagreed participated actively in this course. 55% students strongly agreed, 32% agreed, 9% uncertain and 5% disagreed that they have made progress in this course. 45% students strongly agreed and 36% agreed, 9% uncertain and 9% disagreed that the course was well constructed to achieve the learning outcomes. 45% strongly agreed and 45% agreed, 5% disagreed and 5% strongly disagreed that the learning and teaching methods encouraged participation. 59% students strongly agreed and 23% agreed, 14% uncertain and 5% disagreed that the recommended reading books were relevant and appropriate. 41% students strongly agreed and 50% agreed and 5% were uncertain and 5% disagreed that the classrooms were

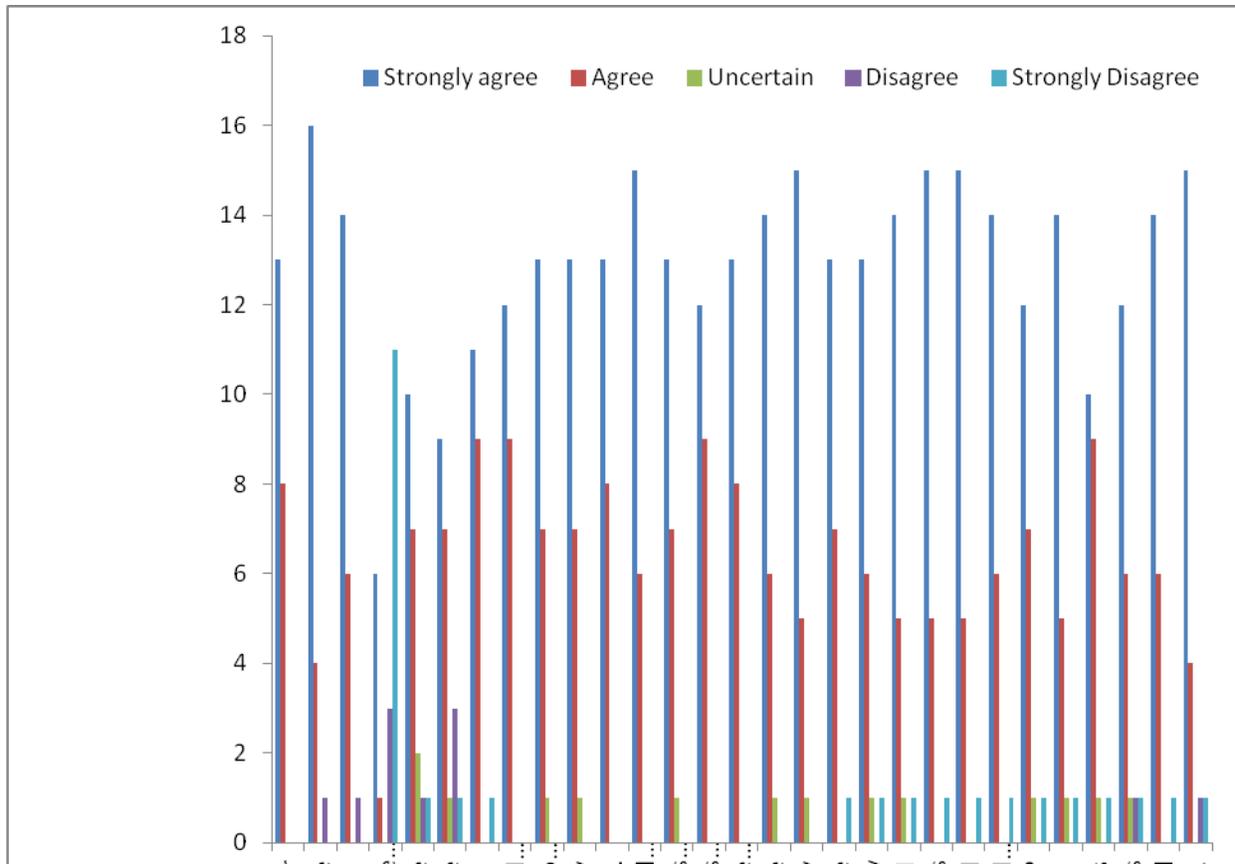


Fig. (ENT-504)

satisfactory. 50% students strongly agreed, 32% agreed, 9% uncertain and 9% disagreed that the learning materials were relevant and useful. 45% students strongly agreed, 45% agreed and 9% uncertain that the recommended books were relevant. 45% students strongly agreed, 40% agreed and 14% uncertain on the provision of learning resources in the library. 59% students strongly agreed, 27% agreed, 14% were uncertain on the provision of learning resources on the web. 64% students strongly agreed whereas 23% agreed and 14% uncertain that the course stimulated interest and thought on the subject area. 36% students strongly agreed and 55% agreed, 5% uncertain and 5% disagreed that the pace of the course was appropriate. 55% strongly agreed, 32% agreed, 5% uncertain on ideas and concepts clarity. 50% students strongly agreed and 36% agreed, 9% were uncertain and 5% disagreed that the methods of assessment were reasonable. 55% strongly agreed and 36% agreed, and 9% disagreed on feedback on assessment being timely. 50% strongly agreed and 41% agreed, 9% were disagreed on assessments being helpful. 64% strongly agreed, 27% agreed and 9% disagreed that they understood the lectures. 50% strongly agreed and 41% agreed and 9% uncertain on the materials being well organized and

well presented. 50% strongly agreed and 36% agreed, 5% were uncertain and 9% disagreed on instructor being responsive to student's needs and problems. 59% strongly agreed, 27% agreed 5% uncertain and 5 % disagreed on the instructor being the regularity of the instructor. 50 % strongly agreed, 41% agreed and 9% disagreed on the materials being useful.59% strongly agreed, 32% agreed, 5% uncertain and 5% disagreed on being happy the amount of work given in tutorials. 55% strongly agreed, 32% agreed, 5% uncertain and 9 disagreed that the tutor dealt effectively with their problems. 41% strongly agreed, 45% agreed and 5% were uncertain and 9% disagreed on practical material being useful or not. 45% strongly agreed, 40% agreed and 5% were uncertain and 9% disagreed on demonstrator being effective in dealing with their problems.

ENT-601:

52% students were strongly agreed, 43% agreed and 4% uncertain that course objective was clear. 61% students were strongly agreed, 39% agreed that the course workload was manageable. 57% students were strongly agreed that The Course was well organized while remaining 39% and 4% were simply agreed and uncertain respectively. 4% students agreed and 9 % students uncertain 30% disagreed and 57% strongly disagreed that Approximate level of their own attendance during the whole Course. 52% students were strongly agreed, 26 % agreed, 9% uncertain and 9% disagreed 4% strongly disagreed that they actively participate in the class. 57% students were strongly agreed, 53% agreed, 10% uncertain, 4% disagree and 2% strongly disagree that they have made progress in this course. 41% students were strongly agreed, 35% agreed, 4% disagreed and 4% strongly disagreed that the Course was well structured to achieve the learning outcomes. 48% students were strongly agreed, 43% agreed and 4% uncertain 4% disagreed that the learning and teaching methods encouraged participation. 48% students were strongly agreed, 39% agreed, 9% uncertain 4% disagreed that the overall environment in the class was conducive to learning. 57% students were strongly agreed, 43% agreed,9% uncertain that Classrooms were satisfactory.52% students were strongly agreed, and 48% agreed that Learning materials were relevant and useful. 43% students were strongly agreed,48% agreed, 9% uncertain that recommended reading books etc. were relevant and appropriate. 52% students were strongly agreed, 35% agreed, 13% uncertain that the provision of learning resources in the library was adequate and appropriate.52% students were strongly agreed, 48% agreed that the provision of learning resources on the web was adequate and appropriate.52%

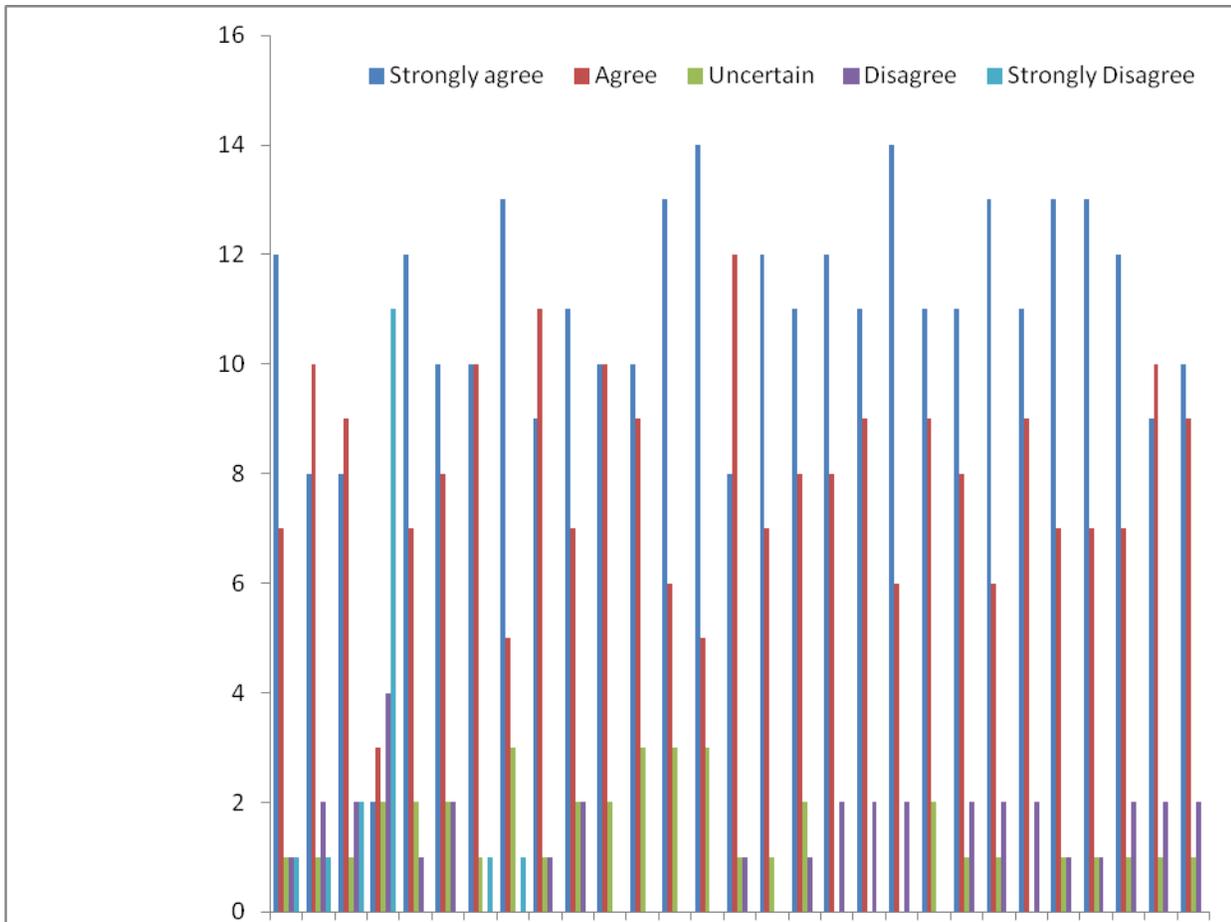


Fig. (ENT-508)

students were strongly agreed, 43% agreed, and 4% uncertain that the course stimulated by interest and thought on the subject area. 39% students were strongly agreed, and 61% agreed that the pace of the course was appropriate. 52% students were strongly agreed and 48% agreed that ideas and concepts were presented clearly. 48% students were strongly agreed, 43% agreed, and 9% uncertain that the method of assessment were reasonable. 52% students were strongly agreed, 43% agreed and 4% uncertain that Feedback on assessment was timely. 52% students were strongly agreed, 39% agreed, and 9% uncertain that Feedback on assessment was helpful. 48% students were strongly agreed, 43% agreed and 9% uncertain that they understood the lectures. 48% students were strongly agreed, 48% agreed and 4% uncertain that the material was well organized and presented. 57% students were strongly agreed, 30% agreed and 9% uncertain and 4% disagreed that the instructor was responsive to student needs and problems. 48% strongly agreed, and 52% agreed that the instructor has been regular throughout the course. 4% students were strongly agreed, 30% agreed, and 13% uncertain 4% disagreed and 9% strongly disagreed that the material in the tutorials was

useful. 39% students were strongly agreed, 35% agreed and 13% uncertain 4% disagreed and 9% strongly disagreed that they were happy with the amount of work needed for tutorials. 48% students were strongly agreed, 30% agreed, 13% uncertain 4% disagreed and 4% strongly disagreed that the tutor dealt effectively with my problems. 52% students were strongly agreed, 43% agreed, and 4% uncertain that the material in practical was useful. 57% students were strongly agreed, 35% agreed, and 9% uncertain that the demonstrators dealt effectively with my problems.

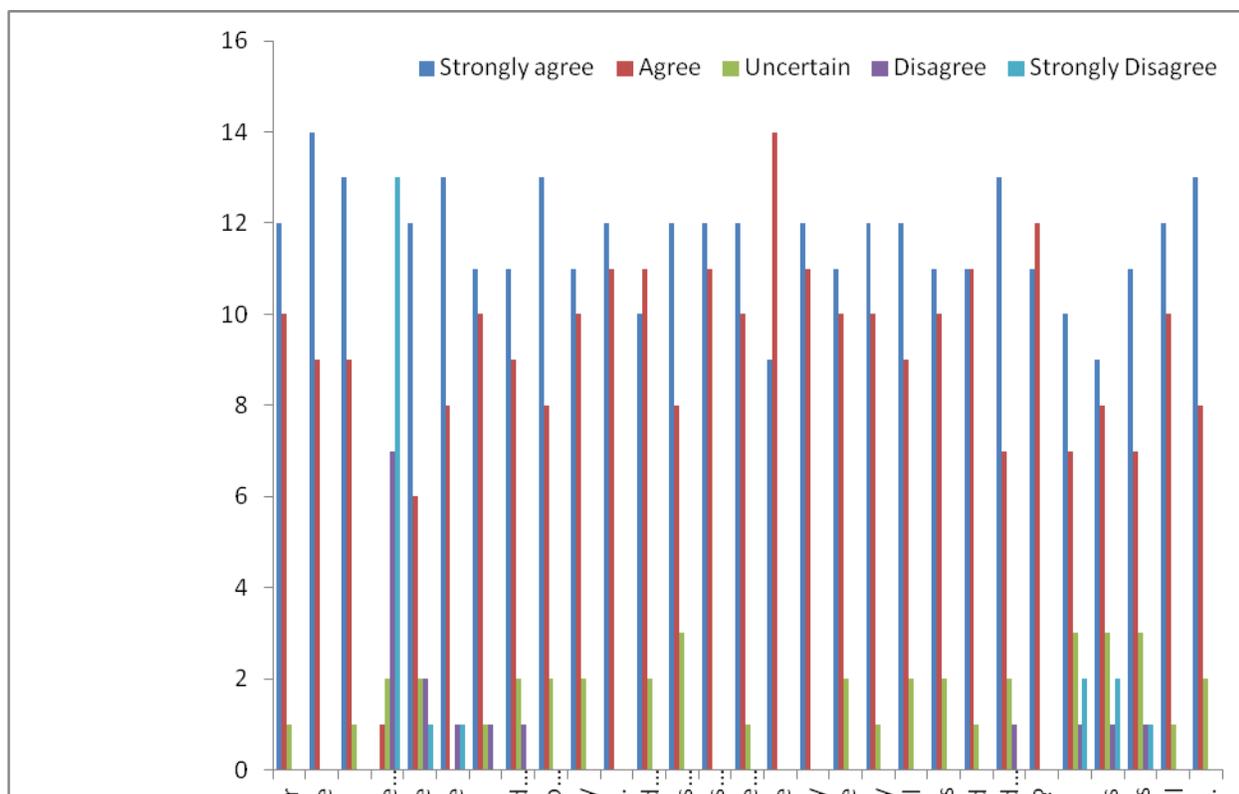


Fig. (ENT-601)

ENT-608:

43% students were strongly agreed, and 57% agreed that course objective was clear. 30% students were strongly agreed, 61% agreed and 4% uncertain, 4% disagreed that the course workload was manageable. 52% students were strongly agreed that The Course was well organized while remaining 35% and 13% were simply agreed and uncertain respectively. 4% students were strongly agreed, 4% students agreed, 13 % disagreed and 78 % students strongly disagreed that approximate level of their own attendance during the whole Course. 52% students were strongly agreed, 35 % agreed, and 13% uncertain that they actively participate in the class. 52% students were strongly agreed, 43% agreed, and 4% uncertain that they have made progress in this course. 39% students were strongly agreed, 57% agreed, and 4% uncertain that the Course was well

structured to achieve the learning outcomes. 35% students were strongly agreed, 52% agreed and 13% uncertain that the learning and teaching methods encouraged participation. 43% students were strongly agreed, 52% agreed, 4% uncertain that the overall environment in the class was conducive to learning. 39% students were strongly agreed, 43% agreed, 13% uncertain, and 4% disagreed that Classrooms were satisfactory. 43% students were strongly agreed, 43% agreed and 9% uncertain and 4% disagreed that Learning materials were relevant and useful. 43% students were strongly agreed, 26% agreed, 26% uncertain and 4% disagreed that recommended reading books etc. were relevant and appropriate. 43% students were strongly agreed, 30% agreed, 22% uncertain and 4% disagreed that the provision of learning resources in the library was adequate and appropriate. 57% students were strongly agreed, 35% agreed, 4% uncertain and 4% disagree that the provision of learning resources on the web was adequate and appropriate. 43% students were strongly agreed, 43% agreed, 9% uncertain and 4% disagreed that the course stimulated by interest and thought on the subject area. 52% students were strongly agreed, 39% agreed, 4% uncertain and 4% disagreed that the pace of the course was appropriate. 52% students were strongly agreed and 35% agreed, 4% uncertain, 4% disagreed and 4% strongly disagreed that ideas and concepts were presented clearly. 35% students were strongly agreed, 39% agreed, 13% uncertain and 8% disagreed 4% strongly disagreed that the method of assessment were reasonable. 26% students were strongly agreed, 48% agreed and 9% uncertain, 9% disagreed and 9% strongly disagreed that Feedback on assessment was timely. 26% students were strongly agreed, 43% agreed, 13% uncertain, 9% disagreed and 9% strongly disagreed that Feedback on assessment was helpful. 26% students were strongly agreed, 52% agreed and 9% uncertain 9% disagreed and 4% strongly disagreed that they understood the lectures. 30% students were strongly agreed, 48% agreed and 4% uncertain that the material was well organized and presented. 26% students were strongly agreed, 57% agreed and 9% uncertain and 9% disagreed that the instructor was responsive to student needs and problems. 35% strongly agreed, 48% agreed and 9% uncertain and 9% disagreed that the instructor has been regular throughout the course. 35% students were strongly agreed, 26% agreed, and 13% uncertain, 13% disagreed and 13% strongly disagreed that the material in the tutorials was useful. 22% students were strongly agreed, 35% agreed and 13% uncertain, 13% disagreed and 17% strongly disagreed that they were happy with the amount of work needed for tutorials. 22% students were strongly agreed, 31% agreed, 17% uncertain, 13% disagreed and 17% strongly disagreed that the tutor dealt effectively with my problems. 30% students were strongly agreed, 48% agreed, 9% uncertain and 13% disagreed that the material in practical was useful.

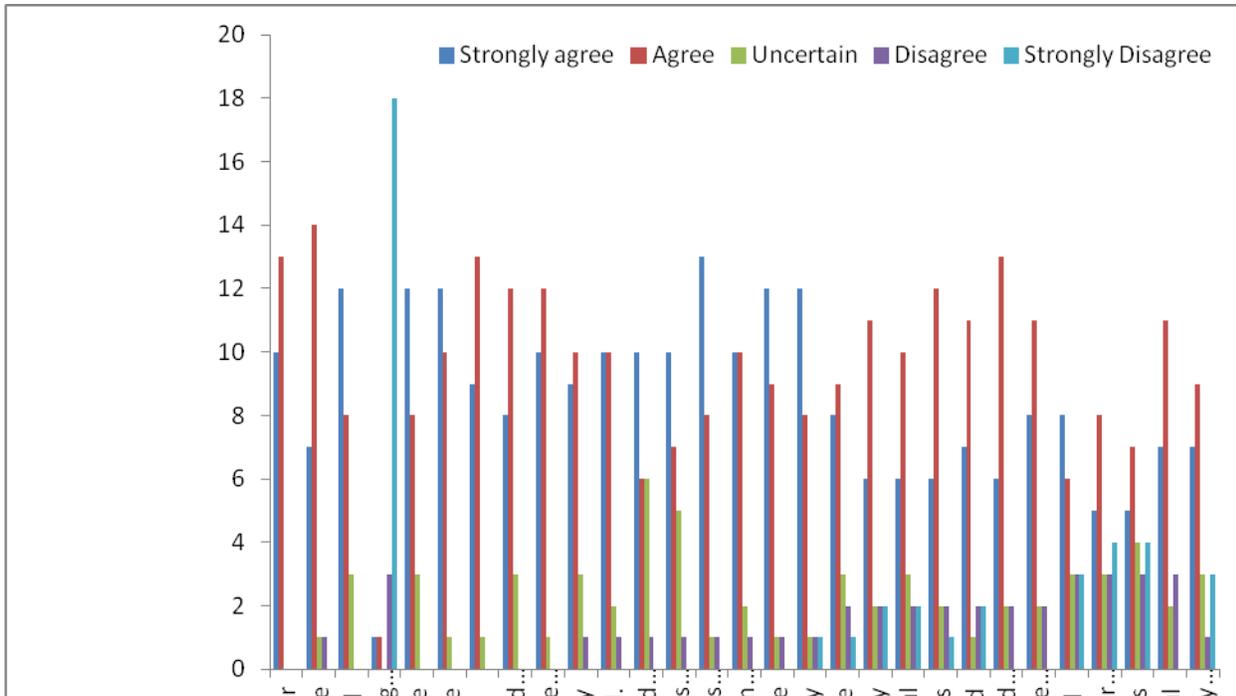


Fig. (ENT-608)

30% students were strongly agreed, 39% agreed, 13% uncertain and 4% disagreed, and 13% strongly disagreed that the demonstrators dealt effectively with my problems.

ENT-502:

67% students were strongly agreed and 33% agreed that course objective was clear. 67% students were strongly agreed, 29% agreed and 4% uncertain that the course workload was manageable. 67% students were strongly agreed that The Course was well organized while remaining 25% and 8% were simply agreed and uncertain respectively. 21% students were strongly agreed, 8% students agreed, 4 % students uncertain, 13% disagree and 54% strongly disagree about approximate level of their own attendance during the whole Course. 58% students were strongly agreed, 25 % agreed, 8% uncertain and 4% disagreed that they actively participate in the class. 58% students were strongly agreed, 25% agreed and 17% uncertain that they have made progress in this course. 71% students were strongly agreed, 21% agreed and 8% uncertain that the Course was well structured to achieve the learning outcomes. 75% students were strongly agreed, 21% agreed and 4% uncertain that the learning and teaching methods encouraged participation. 71% students were strongly agreed, 21% agreed and 8% uncertain that the overall environment in the class was conducive to learning. 67% students were strongly agreed, 29% agreed and 4% uncertain that classrooms were satisfactory. 67% students were strongly agreed, 25% agreed and 8% uncertain that Learning materials were relevant and useful. 63%

students were strongly agreed, 25% agreed and 13% uncertain that recommended reading books etc. were relevant and appropriate. 75% students were strongly agreed, 17% agreed and 8% uncertain that the provision of learning resources in the library was adequate and appropriate. 67% students were strongly agreed, 29% agreed and 4% uncertain that the provision of learning resources on the web was adequate and appropriate. 63% students were strongly agreed, 29% agreed and 8% uncertain that the course stimulated by interest and thought on the subject area. 75% students were strongly agreed, 21% agreed and 4% uncertain that the pace of the course was appropriate. 83% students were strongly agreed, 13% agreed and 4% uncertain that ideas and concepts were presented clearly. 71% students were strongly agreed and 29% agreed that the method of assessment were reasonable. 71% students were strongly agreed and 29% agreed that Feedback on assessment was timely. 67% students were strongly agreed and 33% agreed that Feedback on assessment was helpful. 71% students were strongly agreed, 25% agreed and 4% uncertain that they understood the lectures. 83% students were strongly agreed, 13% agreed and 4% uncertain that the material was well organized and presented. 58% students were strongly agreed, 38% agreed and 4% uncertain that the instructor was responsive to student needs and problems. 88% strongly agreed, 8% agreed and 4% uncertain that the instructor has been regular throughout the course. 71% students were strongly agreed, 25% agreed, and 4% disagreed that the material in the tutorials was useful. 71% students were strongly agreed, 25% agreed and 4% disagreed that they were happy with the amount of work needed for tutorials. 67% students were strongly agreed, 21% agreed, 8% uncertain and 4% disagreed that the tutor dealt effectively with my problems. 71% students were strongly agreed, 25% agreed and 4% disagreed that the material in practical was useful. 79% students were strongly agreed, 13% agreed, 4% uncertain and 4% disagreed that the demonstrators dealt effectively with my problems.

ENT-606:

57% students were strongly agreed and 43% agreed that course objective was clear. 57% students were strongly agreed and 43% agreed that the course workload was manageable. 52% students were strongly agreed that The Course was well organized while remaining 48% were simply agreed. 13% students were strongly agreed, 39% students disagreed and 48 % students strongly disagreed that approximate level of their own attendance during the whole Course. 35% students were strongly agreed, 57 % agreed, 4% uncertain and 4% disagreed that they actively participate in the class. 48% students were strongly agreed, 43% agreed, 4% uncertain, 4% disagree that they have made progress in this course. 39% students were strongly agreed and 61% agreed that the Course was well structured to

achieve the learning outcomes. 48% students were strongly agreed, 48% agreed and 4% uncertain that the learning and teaching methods encouraged participation. 43% students were strongly agreed and

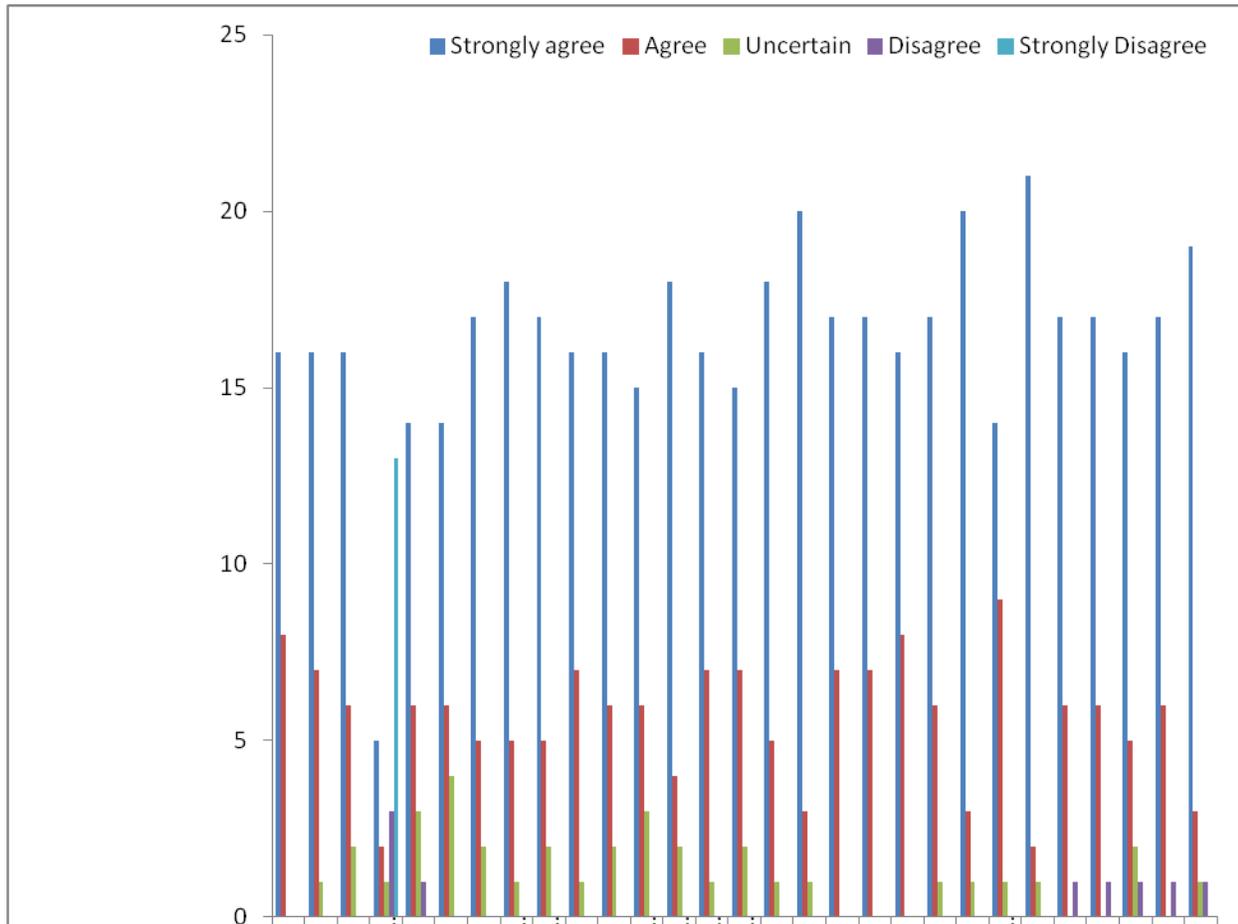


Fig. (ENT-502)

57% agreed that the overall environment in the class was conducive to learning. 43% students were strongly agreed, 52% agreed and 4% uncertain that Classrooms were satisfactory. 57% students were strongly agreed and 43% agreed that Learning materials were relevant and useful. 57% students were strongly agreed, 30% agreed and 13% uncertain that recommended reading books etc. were relevant and appropriate. 48% students were strongly agreed, 35% agreed and 17% uncertain that the provision of learning resources in the library was adequate and appropriate. 61% students were strongly agreed and 39% agreed that the provision of learning resources on the web was adequate and appropriate. 61% students were strongly agreed, 30% agreed, 4% uncertain and 4% disagreed that the course stimulated by interest and thought on the subject area. 57% students were strongly agreed, 39% agreed and 4% uncertain that the pace of the course was appropriate. 57% students were strongly agreed and 43% agreed that ideas and concepts were presented clearly. 48% students were strongly agreed, 48% agreed

and 4% uncertain that the method of assessment were reasonable. 48% students were strongly agreed and 52% agreed that Feedback on assessment was timely. 48% students were strongly agreed and 52% agreed disagree that Feedback on assessment was helpful. 48% students were strongly agreed, 48% agreed and 4% uncertain that they understood the lectures. 61% students were strongly agreed and 39% agreed that the material was well organized and presented. 57% students were strongly agreed, 39% agreed and 4% uncertain that the instructor was responsive to student needs and problems. 70% strongly agreed and 30% agreed that the instructor has been regular throughout the course. 43% students were strongly agreed, 30% agreed, 14% uncertain and 9% disagreed that the material in the tutorials was useful. 39% students were strongly agreed, 43% agreed, 9% uncertain and 9% that they were happy with the amount of work needed for tutorials. 43% students were strongly agreed, 30% agreed, 17% uncertain and 9% disagreed that the tutor dealt effectively with my problems. 48% students were strongly agreed and 52% agreed that the material in practical was useful. 65% students were strongly agreed and 35% agreed that the demonstrators dealt effectively with my problems.

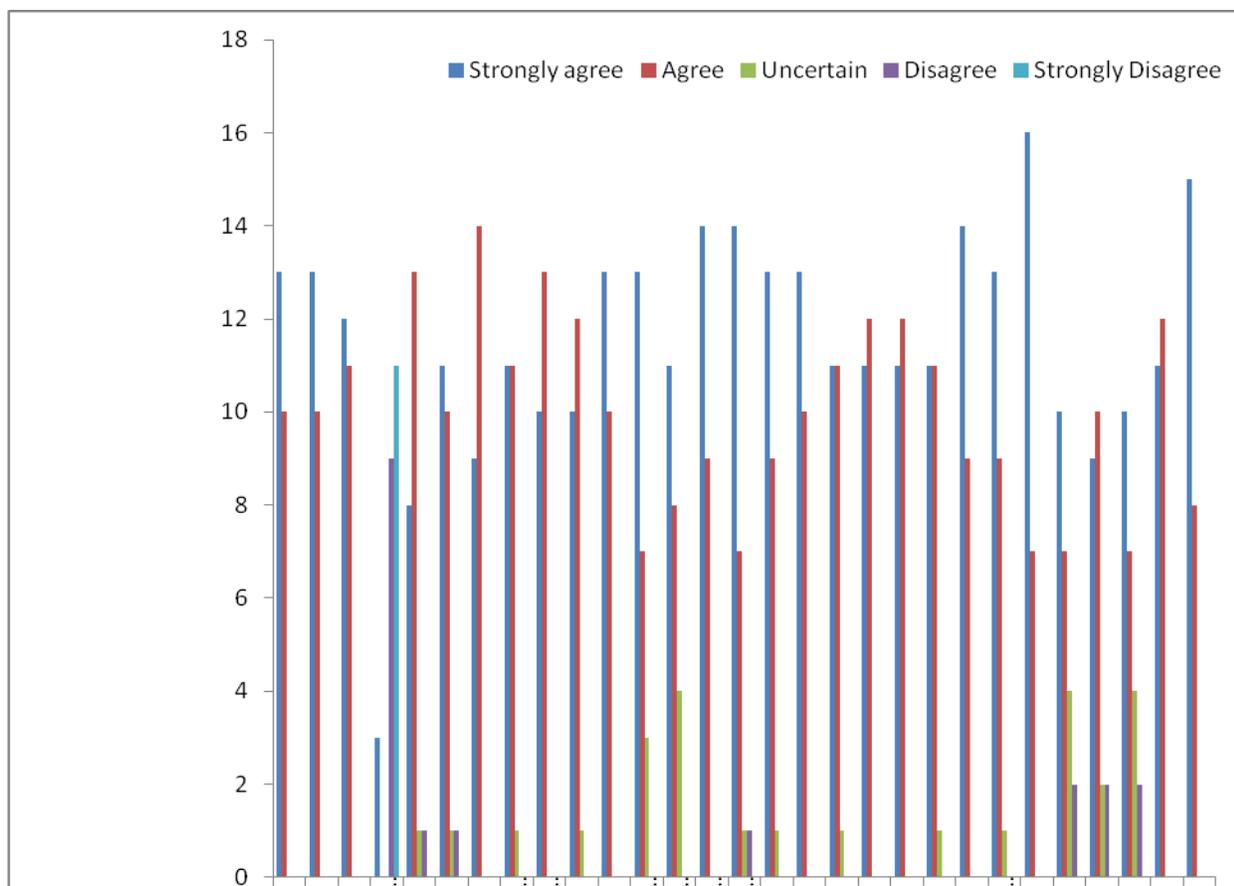


Fig. (ENT-606)

Fall Semester 2010-11

Course code	Title	Credit value	Assessment Methods/ Exam	No. of students	Comments on Curriculum	Any change in course for future	Semester	Grade (%)					Course Instructor
								A	B	C	D	F	
ENT-401	Introductory Entomology	2(1-2)	Mid Term/ Final Term	49		Nil	3 rd	69.39	18.37	12.24	0	0	Dr. Javaid Iqbal
				45				29.79	37	29.79	2.12	4.25	Dr. M. Asif Aziz
				44				31.82	34.09	25	4.55	4.55	Dr. Imran Bodlah
				33				40	23	20	6	6	Dr. Ata ul Mohsin
				79				38.8	30	22.5	5	3.75	Dr. Munir Ahmad
ENT-501	Insect Morphology	3(2-2)	Mid Term/ Final Term	23		Nil	5 th	60.8	30.4	4.34	4.34	0	Dr. M. Naeem/ Dr. Ata ul Mohsin
ENT-503	Principles of Insect Taxonomy	3(2-2)	Mid Term/ Final Term	24		Nil	5 th	54.1	45.8	0	0	0	Dr. Imran Bodlah
ENT-505	Insect Ecology and Behavior	3(2-2)	Mid Term/ Final Term	23		Nil	5 th	82.6	13	4.3	0	0	Dr. Javaid Iqbal
ENT-507	Insect pest of Household, Man and Animals	3(2-2)	Mid Term/ Final Term	22		Nil	5 th	50	36	14	0	0	Dr. M. Asif Aziz
ENT-507	Beneficial Insects	3(2-2)	Mid Term/ Final Term	23		Nil	5 th	13.0	52.1	34.7	0	0	Dr. Humayun

													Javed
ENT-601	Pest Forecasting and Management	4(3-2)	Mid Term/ Final Term	20		Nil	7 th	5	76	14	0	5	Dr. M. Asif Aziz/ Dr. Imran Bodlah
ENT-602	Internship	15(0-30)		1		Nil	8 th	100	0	0	0	0	Dr. M. Naeem
ENT-603	Plant Resistance to Insect Pests	3(2-2)	Mid Term/ Final Term	40		Nil	7 th	20	60	20	0	0	Dr. Munir Ahmad/ Dr. M. Asif Aziz
ENT-605	Insecticides and their Application	3(2-2)	Mid Term/ Final Term										
ENT-607	Range and Forest Entomology	3(2-2)	Mid Term/ Final Term	21		Nil	7 th	19	71.4	9	0	0	Dr. Humayun Javed
ENT-609	Project Planning and Scientific Writing	2(1-2)	Mid Term/ Final Term	20		Nil	7 th	35	45	20	0	0	Dr. M. Naeem/ Dr. Imran Bodlah

Spring Semester 2011

Course code	Title	Credit value	Assessment Methods/ Exam	No. of students	Comments on Curriculum	Any change in course for future	Semester	Grade (%)					Course Instructor
								A	B	C	D	F	
ENT-402	Applied Entomology	3(2-2)	Mid Term/ Final Term	59		Nil	4 th	30.5	47.5	20.3	1.7	0	Dr. Munir Ahmad
													Dr. Ata ul Mohsin

				49				34.7	47	10	6.1	2	Dr. Imran Bodlah
				48				14.2	69.3	14.2	0	2	Dr. M. Asif Aziz
				44				13.3	62.2	20	0	4.44	Dr. Imran Bodlah
ENT-502	Insect Physiology	3(2-2)	Mid Term/ Final Term	23		Nil	6 th	43	52	5	0	0	Dr. Asim Gulzar/ Dr. Munir Ahmad
ENT-504	Insect Biodiversity and Evolution	3(2-2)	Mid Term/ Final Term	23		Nil	6 th	47.8	30.4	17.3	4.34	0	Dr. M. Naeem
ENT-506	Agricultural Pests and their Management	3(2-2)	Mid Term/ Final Term	23		Nil	6 th	30.3	65.2	0	4.34	0	Dr. M. Asif Aziz
ENT-508	Stored Products Pests and their Management	3(2-2)	Mid Term/ Final Term	23		Nil	6 th	60.8	30.4	8.70	0	0	Dr. Humayun Javed
ENT-602	Internship	15(0-30)	Final Term	20		Nil	8 th	100	0	0	0	0	Dr. M. Naeem

Fall Semester 2011

Course code	Title	Credit value	Assessment Methods/ Exam	No. of students	Comments on Curriculum	Any change in course for future	Semester	Grade (%)					Course Instructor
								A	B	C	D	F	
ENT-	Introductory	2(1-2)	Mid Term/	71		Nil	3 rd	43.6	39.4	14	0	2.8	Dr. Ata Ul

401	Entomology		Final Term										Mohsin
				40				52.3	26.1	17.5	0	4.7	Dr. M. Tariq
				74				64	22.6	8	1.33	4	Dr. Munir Ahmad
				42				20.9	41.8	23.2	2.3	9.3	Dr. M. Asif Aziz
ENT-501	Insect Morphology	3(2-2)	Mid Term/ Final Term	20		Nil	5 th	45	45	0	5	5	Dr. M. Naem
ENT-503	Principles of Insect Taxonomy	3(2-2)	Mid Term/ Final Term	23		Nil	5 th	34.7	39.1	4.34	4.34	21.7	Dr. Imran Bodlah
ENT-505	Insect Ecology and Behavior	3(2-2)	Mid Term/ Final Term	24		Nil	5 th	58.3	25	16.6	0	0	Dr. Ata Ul Mohsin
ENT-507	Insect pest of Household, Man and Animals	3(2-2)	Mid Term/ Final Term	22		Nil	5 th	4.34	457.8	34.7	8.6	13	Dr. M. Asif Aziz
ENT-601	Pest Forecasting and Management	3(2-2)	Mid Term/ Final Term	24		Nil	7 th	37.5	41.6	16.6	4.1	0	Dr. M. Asif Aziz
ENT-603	Plant Resistance to Insect Pests	3(2-2)	Mid Term/ Final Term	50		Nil	7 th	82	16	2	0	0	Dr. Asim Gulzar/ Dr. M. Tariq
ENT-605	Insecticides and their Application	2(1-2)	Mid Term/ Final Term	23		Nil	7 th	56.5	39	4.5	0	0	Dr. Munir Ahmad
ENT-607	Range and Forest Entomology	3(2-2)	Mid Term/ Final Term	1		Nil	Extra	100	0	0	0	0	Dr. Humayun Javed

Spring Semester 2012

Course code	Title	Credit value	Assessment Methods/ Exam	No. of students	Comments on Curriculum	Any change in course for future	Semester	Grade (%)					Course Instructor
								A	B	C	D	F	
ENT-402	Applied Entomology	3(2-2)	Mid Term/ Final Term	71		Nil	4 th	47.2	41.6	9.7	0	1.38	Dr. Munir Ahmad
				39				47.6	35.7	9.5	0	7.1	Dr. M. Tariq
				71				61.6	31.5	4.1	0	1.3	Dr. Imran Bodlah
				40				23.8	40.4	21.3	7.1	2.5	Dr. M. Asif Aziz
ENT-502	Insect Physiology	3(2-2)	Mid Term/ Final Term	19		Nil	6 th	21	63.1	10.5	0	10.5	Dr. Munir Ahmad
ENT-504	Insect Biodiversity and Evolution	3(2-2)	Mid Term/ Final Term	22		Nil	6 th	54.5	27.2	13.6	0	4.54	Dr. Imran Bodlah
ENT-506	Agricultural Pests and their Management	3(2-2)	Mid Term/ Final Term	21		Nil	6 th	9.5	57.1	28.5	0	9.5	Dr. M. Asif Aziz
ENT-508	Stored Products Pests and their Management	3(2-2)	Mid Term/ Final Term	22		Nil	6 th	9.09	50	31.8	9.0	9.0	Dr. Humayun Javed
ENT-602	Insect Natural History	3(2-2)	Mid Term/ Final Term	23		Nil	8 th	100	0	0	0	0	Dr. Asim Gulzar

ENT-602	Internship	15(0-30)	Final Term	1		Nil	8 th	100	0	0	0	0	Dr. M. Naeem
ENT-606	Environmental pollution and Agriculture	3(2-2)	Mid Term/ Final Term	23		Nil	8 th	82.6	17.4	0	0	0	Dr. Munir Ahmad
ENT-608	Project Planning, execution and Scientific writing	4(0-8)	Final Term			Nil	8 th						Dr. M. Naeem
ENT-610	Range and Forest Entomology	2(1-2)	Mid Term/ Final Term	23		Nil	8 th	52.1	47.8	0	0	0	Dr. Humayun Javed

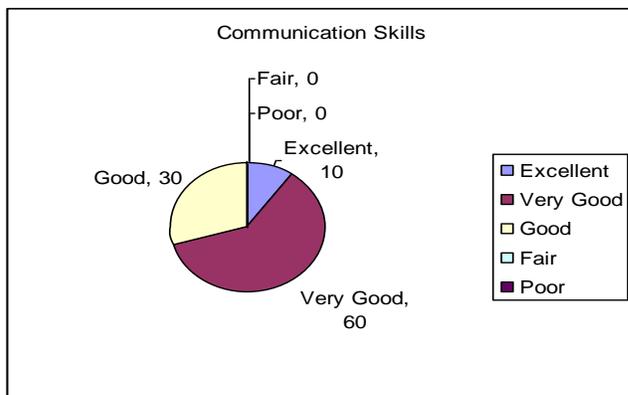
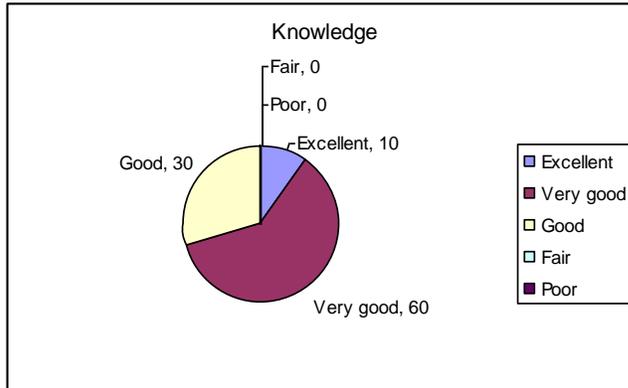
Fall Semester 2012-13

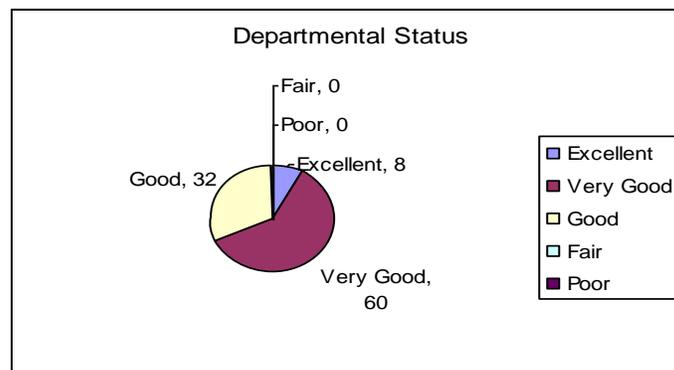
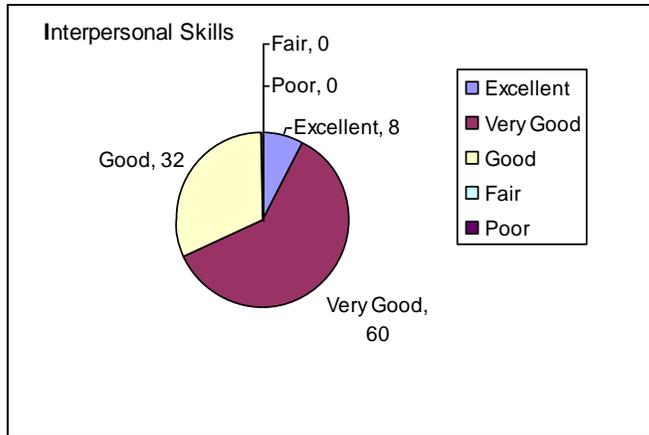
Course code	Title	Credit value	Assessment Methods/ Exam	No. of students	Comments on Curriculum	Any change in course for future	Semester	Grade (%)					Course Instructor
								A	B	C	D	F	
ENT-401	Introductory Entomology	2(1-2)	Mid Term/ Final Term	42		Nil	3 rd	76.1	19	4.7	0	0	Dr. Imran Bodlah
				37				74.3	15.3	2.5	2.5	5.1	Dr. M. Asif Aziz
				46				47.8	32.6	8.69	10.8	0	Dr. Farid Asif Shaheen
				43				68.1	15.9	11.3	2.27	2.27	Dr. Asim Gulzar
				35				55.5	27.7	11.1	2.77	0	Dr. M. Tariq

ENT-501	Insect Morphology	3(2-2)	Mid Term/ Final Term	22		Nil	5 th	40.9	40.9	18.18	0	0	Dr. M. Naeem
ENT-503	Principles of Insect Taxonomy	3(2-2)	Mid Term/ Final Term	25		Nil	5 th	32	40	16	4	8	Dr. Imran Bodlah
ENT-505	Insect Ecology	3(2-2)	Mid Term/ Final Term	21		Nil	5 th	61.9	38	0	0	4.7	Dr. Farid Asif Shaheen
ENT-507	Insect pest of Household, Man and Animals	3(2-2)	Mid Term/ Final Term	23		Nil	5 th	73.9	26	0	0	0	Dr. Humayun Javed
ENT-509	Insect Behavior	3(2-2)	Mid Term/ Final Term	22		Nil	5 th	81.8	18.18	0	0	0	Dr. Asim Gulzar
ENT-601	Pest Forecasting and Management	3(2-2)	Mid Term/ Final Term	21		Nil	7 th	14.2	57.1	28.5	4.7	0	Dr. M. Asif Aziz

ALUMINI SURVEY

The alumni survey was conducted through gathering information using Proforma # 7 students. The results revealed that indicators like knowledge, communication skills, Interpersonal skills, leadership skills and Departmental status are mostly labeled with excellent, very good and good categories.

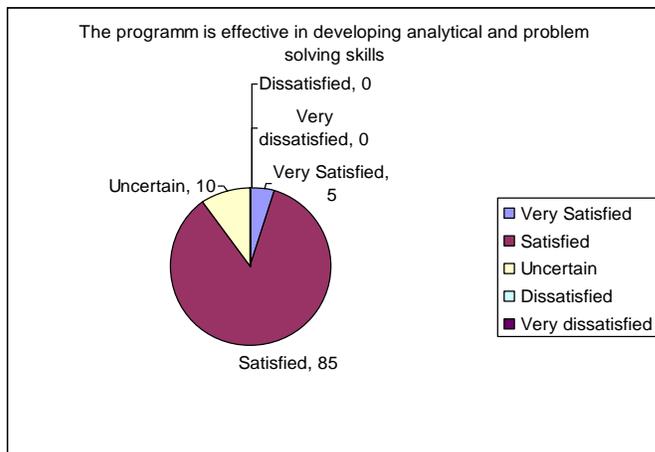
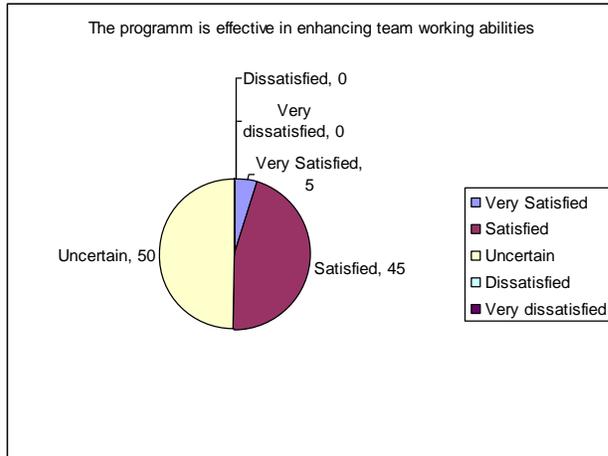


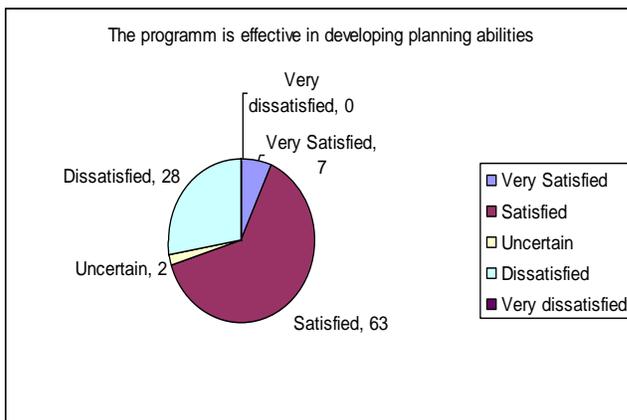
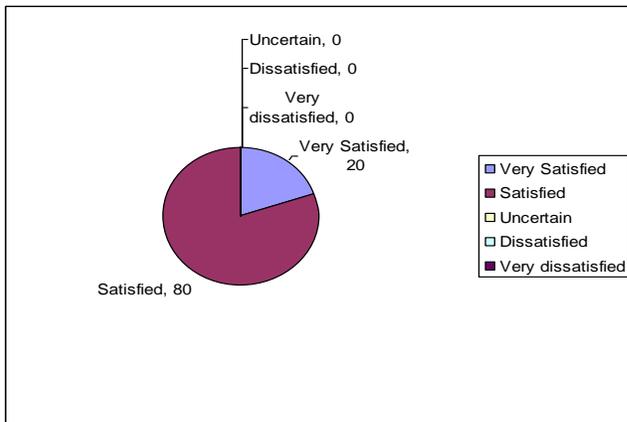
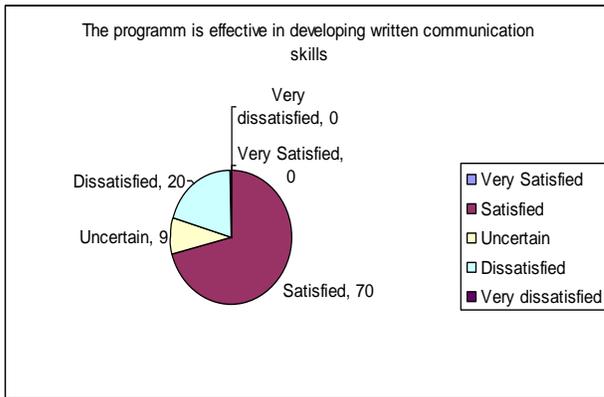
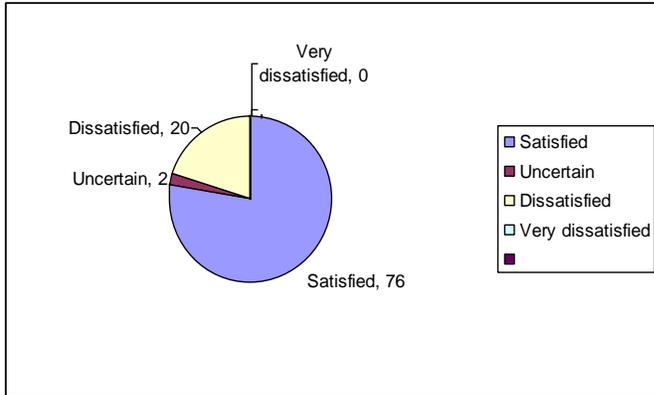


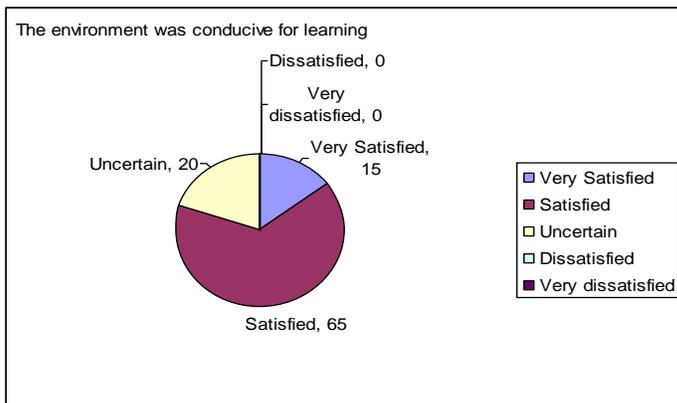
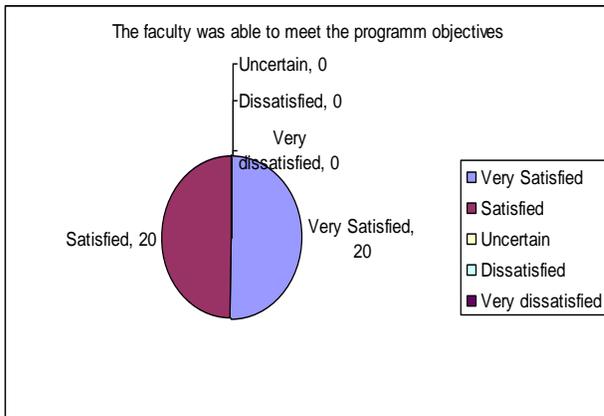
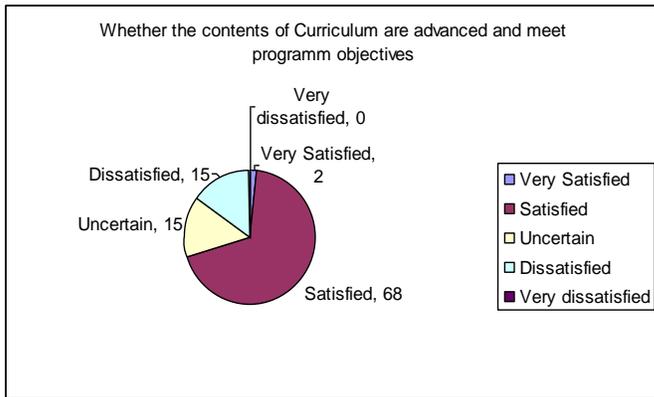
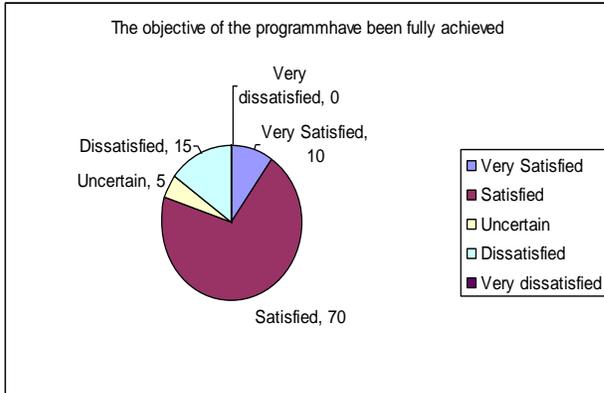
SURVEY OF GRADUATING STUDENTS

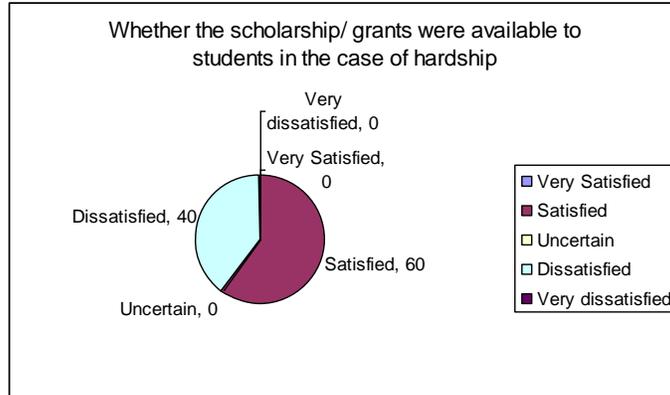
The survey regarding graduate students' was conducted associated with around 18 graduate students using proforma # 3. The programme assessment results are given in the following graphical format. It is evident from the graphical data that majority of the students reported about their satisfaction with the programme. However, a few students were dissatisfied with the environment, contents of the curriculum and team work abilities. A segment of the respondents also expressed dissatisfaction with regard to

development of analytical and problem solving skills, program's support in learning process, development of written communication skills, achievement of objectives and effective in developing planning abilities.



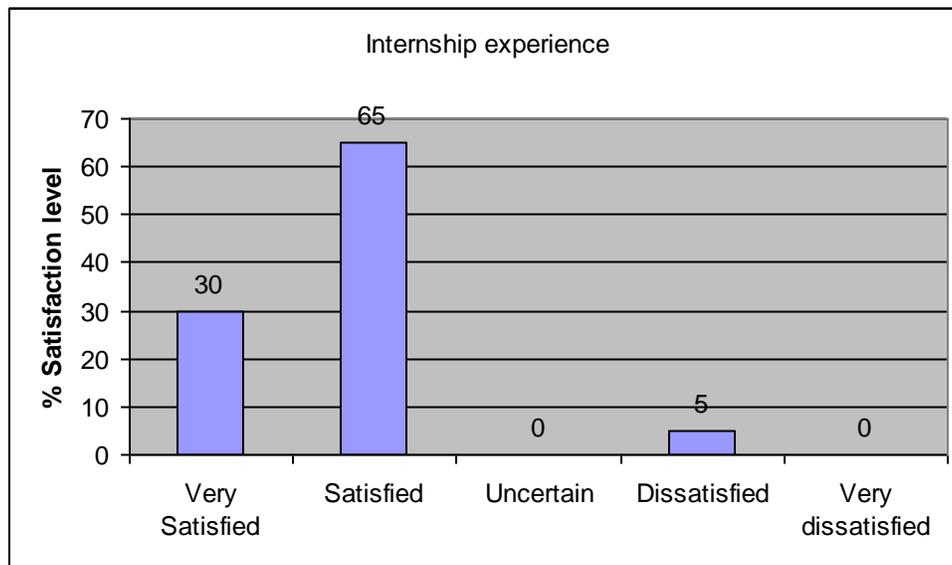






Internship Experience:

Feed back regarding internships of the students was very encouraging. The respondents reported that this activity was found helpful in improving the ability to work in teams, discipline, professional development, time management skills and appreciation of esthetic values. Around 65% students expressed their satisfaction considering all the parameter as represented in the figure given below. 30% expressed their views as very satisfied. Only 5% were expressing dissatisfaction about the above mentioned indicators.



Standard 1-3: The results of Program’s assessment and the extent to which they are used to improve the program must be documented.

Strength of the Department

Entomology department has a regular activity regarding inhouse accountability or review of the previous semester to discuss achievements, performance, attitude and regularity of the students. The main strength of the department is the urge and desire to promote the entomological knowledge and research to solve the field problems relating to crop pests, systematics, pesticide resistance, food security and economic entomology.

Weakness Identified In the Program

The department is facing acute shortage of:

- Lack of Electron microscope, Microtome, Growth chambers and equipment related to molecular techniques etc.
- With the increase in students' registration a severe dearth of space (class rooms) is being felt.

Standard 1-4: The department must assess its overall performance periodically using quantifiable measures

Present Performance Measures for Research Activities

Table 3 Research Performance of the Faculty

Faculty	Journal Publications (National & International)	Conference Publications (Proceedings Abstract)	Projects
Dr. Muhammad Aslam	-	-	1
Dr. Muhammad Naeem	5	-	1
Mr. Humayun Javed	4	1	-
Dr. Ata-ul-Mohsin	7	-	2
Mr. Mobushir Riaz Khan	Abroad for PhD studies		
Dr. Javaid Iqbal	-	2	1
Dr. Munir Ahmed	2	2	1
Dr. Asif Aziz	4	1	1
Mr. Imran Bodlah	1	-	-
Dr. Muhammad Farooq Nasir	1	-	-
Mr. Muhammad Tariq	Abroad for PhD studies		

The department is under staffed and need more Ph.Ds to be inducted.

Faculty with Excellent Research Award

- PEF 8th National Education Award, 2002.
- 13th Star award, 2002.
- Quid-i-Azam Gold Medal, 2004

(Prof. Dr. Muhammad Aslam, Chairman Entomology Department was honored with these awards).

Community Services by the Department

- Participated in “Kisan Mela” organized by PMAS-Arid Agriculture University Rawalpindi at Koont Farm near Chakwal.
- Pest identification service for the visiting farmers and recommendation of pest management methodology

Faculty Satisfaction Regarding the Administrative Services

- Department regularly participate/attend all periodical/scheduled meetings including departmental, university, academic council, and syndicate).
- Corresponding to the HEC standards Entomology Department maintains a ratio of 8:3 for the academic (technical) and administrative (non-technical) staff.
- All sorts of records/inventories pertaining to personnel, students, results or thesis etc have been maintained in a regular and proper way.
- A good level of regularity has been maintained in quick office disposal; so far no complaint has been lodged from any quarter in this regard.
- Regular Review meeting at the end of semester has become a usual feature of the department.

Major Future Improvement Plans

Keeping under consideration the previous evaluation / monitoring activity, the following improvements will be in future related with the programme.

1. Course contents will be revised time by time with updated knowledge in order to meet international standards of education.
2. Practicals will be supported with field trips, seminars, and visits of various national organizations and research organizations related with Entomology.
3. Graduating students will be involved in various research projects in the department in order to make them scientific minded at graduate level.

Table: 4 Quantitative Assessment of the Department

Sr.#	Particular	No.	Remarks
-------------	-------------------	------------	----------------

I	Undergraduates B.Sc. (Hons.) produced	7	85% of them joined M.Sc, 15% got employment
ii	M.Sc. (Hons.) degree awarded	18	One got scholar Scholaship for PhD in Germany. A few of the students got employment, currently holding various positions
iii	Ph.D. produced	1	In employment
Iv	Post-Doc fellowship	-	
V	Ph.D. Scholarship for faculty	-	
Vi	Students: Faculty ratio	35:1	Fulfils HEC criteria
Vii	Technical: Non Technical ratio	8:3	Fulfils HEC criteria
viii	Average grade point	Around 3	Fulfils HEC criteria

The periodic assessment of the departmental activites exhibited high efficiency of system and adequate impact of outcomes. Two students have got admission in PhD (one inland and the other abroad) and most of them (graduates and post graduates) got jobs in various organizations (Federal & provincial departments, universities, research organizations, banks NGOs, pesticide companies etc.).

Degree

B.Sc. (Hons) Agric. Entomology

M.Sc. (Hons) Agric. Entomology

Ph.D. Entomology

Pre-requisites

F.Sc. Pre-medical and

Pre-engineering, after entry test

B.Sc. (Hons) Agric. with Entomology as major subject, entry test

M.Sc. (Hons) Agric. in Entomology, Entry test, Interview

Employer Survey:

Information gatered from different organizations helped in conducting employer survey for the determination of student skills. This activity was conducted using proforma 8. Survey shows that students graduating from Entomology Department fall above average in all areas under study. An improvement needed in communication skills and interpersonnel will be improved during future.

A majority of the employers were found contented with knowledge and potential of the students in handling entomological problems independently and as a team member. Performance of our students was appreciated by the employers. Some employers

suggested that students should be given opportunity to take up courses on communication and motivational skills before they are awarded

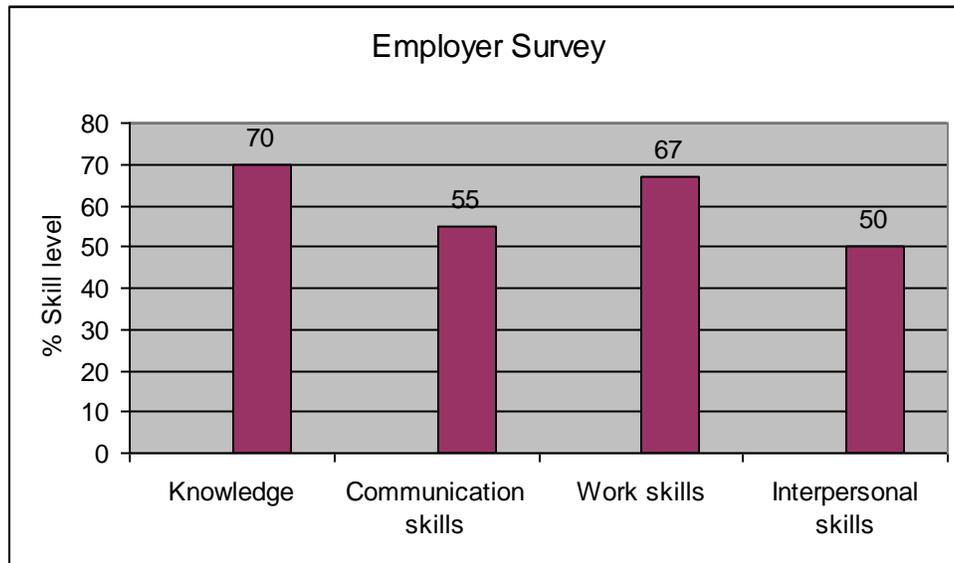
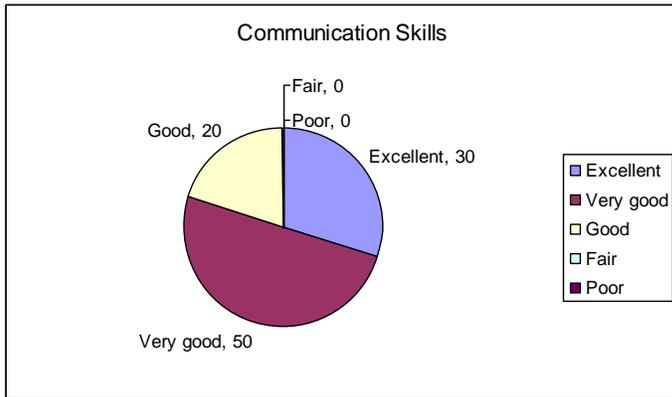
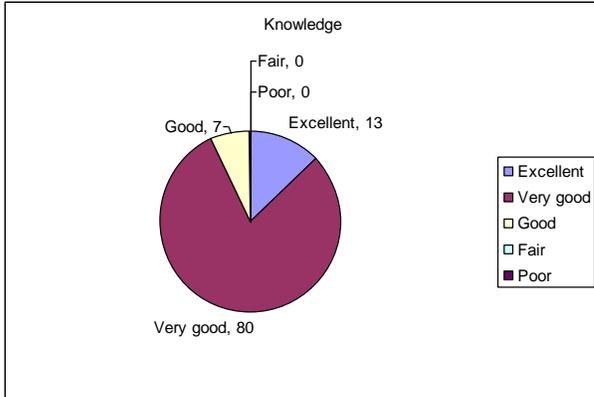


Figure: Results of employer survey

degrees. Besides some suggested for improvement of managerial skills of the students by incorporating courses in their curricula.

Pie figures shows the overall results of employer survey as assessed during the reporting period. More than 80-85% graduates were considered to be excellent/very good in knowledge and communication skills. The study aslo shows that there is segment of students which yet needs improvement in interpersonnel and work skills.



CRITERION 2: CURRICULUM DESIGN AND ORGANIZATION

Degree Title: B.Sc (Hons) Agriculture, Majoring Entomology

Intent: All the courses for degree program were developed by a committee constituted by the Higher Education Commission, Pakistan. The committee consists of experts and learned professors, subject matter specialists from the Universities and research organization from Pakistan. When and if needed, curriculum for the Department of Entomology is revised/updated through different bodies. At department level Board of Studies, which is comprised of senior faculty members, is responsible for updating the curriculum. This body is authorised to formulate syllabus and course content. The chairman of the Department is the convener of this body. The courses are then sent to the Board of Faculty for approval. The Dean of the Faculty, who is also the Convener, conducts the meeting. As per University Rules, after the approval of courses from the Faculty Board, these are placed before the University Academic Council for their approval. Final approval of all the courses is accorded by the University Syndicate for implementation.

Definition of Credit Hour

A student must complete a definite number of credit hours. One credit hour is one theory lecture or two hours laboratory (practical)/week. One credit hour carries 20 marks. Duration of a semester is 18 Weeks.

DEGREE PLAN

Presently three degree programs are organized by the department

B.Sc. (Hons.) Agric. Majoring in Entomology: The B.Sc. (Hons) degree programme consists of 4 academic years/8 semesters. As a whole a student has to study 52 credit hours of theory of the total 155 credit hours. out of this, 10% marks are assigned for evaluation through assignments, test and exercises by the concerned teacher and the remaining 90% marks from the theory part has been assigned for Mid and Final examinations as per University examination rules. In total B.Sc. (Hons.) Entomology degree requirement is 211 credit hours (101 theory + 110 practical) including 30 credit

hours for internship. Degrees are awarded after completing the required number of credit hours (courses) following by internship report and its presentation.

➤ **Curriculum course requirements for B.Sc. (Hons) Entomology degree is summarized below**

Ent-401	Introductory Entomology	2(1-2)
Ent-402	Applied Entomology	3(2-2)
Ent-501	Insect Morphology	3(2-2)
Ent-502	Insect Physiology	3(2-2)
Ent-503	Principales of Insect Taxonomy	3(2-2)
Ent-504	Insect Biodiversity and Evolution	3(2-4)
Ent-505	Insect Ecology and Behaviour	3(2-2)
Ent-506	Agricultural Pests and Their Management	3(2-2)
Ent-507	Insect Pests of Household, Man and Animals	3(2-2)
Ent-508	Stored Products Pests and Their Management	3(2-2)
Ent-509	Beneficial Insects	3(2-2)
Ent-601	Pest Forecasting and Management	4(2-4)
Ent-602	Internship	20(0-40)
Ent-603	Insect Ecology and Behaviour	4(3-2)
Ent-605	Insecticides and Their Application	3(2-2)
Ent-607	Range and Forest Entomology	3(2-2)
Ent-609	Project Planning and Scientific Writing	2(1-2)
Ent-611	Agriculture & Environmental Pollution	3(3-0)

Standard 2-1: The curriculum must be consistent and support the program’s documented objectives.

The assessment of curriculum is done in the following table and the courses are cross tabulated according to the program outcomes.

Table 5 Courses Taught during the semester Versus Outcome

Course/ Groups of courses	Out comes				
	1	2	3	4	5
Ent-401, Ent-402, Ent-607, Ent-601, Ent-602, Ent-603, Ent-501	+	++	+++	+	++
Ent-507, Ent-508, Ent-509, Ent-605, Ent-607, Ent-609, Ent-611	+++	++++	+	+++	++
Ent-504, Ent-505, Ent-506, Ent-302	++	++++	++++	+++	++
Ent-502, Ent-503	++	++	++	+	+

- + = Relevant
- ++ = Relevant & satisfactory
- +++ = Very relevant & Very satisfactory

+ ++ += Highly relevant & Highly satisfactory

- The curriculum fits very well and satisfies the core requirements for the program, as specified the respective accreditation body.
- The curriculum satisfied the general arts and professional and other discipline required for the program according to demands and requirements set by the Higher Education Commission.

Standard 2-2: Theoretical backgrounds, problem analysis and solution design must be stressed within the program's core material.

Table 6: Programme Courses corresponding to theoretical background and problem analysis.

Elements	Courses
Theoretical backgrounds	Ent-401, Ent-402, Ent-607 , Ent-601, Ent-602, Ent-603, Ent-501
Problem analysis	Ent-502 , Ent-503 , Ent-504, Ent-505, Ent-506, Ent-507, Ent-508, Ent-509, Ent-605, Ent-607, Ent-609, Ent-611

All these courses were offered during the semester (reporting period).

Standard 2-6: Information Technology Component of the Curriculum Must Be Integrated Throughout The Program:

While the curriculum was prepared, all aspects of information technology were considered and after a critical analysis, relevant aspects were integrated into the program as:

- Three computer and I.T. courses (6 credit hours) and two courses of statistics (6 credit hours) based on computer practical usage were included in the curriculum to fulfill the I.T. requirements for the students of B.Sc. (Hons) Agric. degree
- Computer and I.T. courses (3 credit hours) have been integrated in the curriculum of M.Sc (Hons) and Ph.D students which fulfill the requirements of I.T.

Standard- 2.7: Oral and written communication skills of the student must be developed and applied in the program.

- At graduate level, delivering of presentationson various topics related with course have been made compulsory for each student.

- Students of BSc (Hons) Agriculture are assigned presentations and group works during different courses which are presented in the class to develop and enhance their written and oral communication and motivation skills.

CRITERION 3: LABORATORIES AND COMPUTER FACILITIES

There are three laboratories in the department. The facilities and shortcomings of these laboratories are listed as under.

- Laboratory Title:
 - Biosystematics laboratory
 - Biocontrol laboratory
 - Insect Toxicology Laboratory
 - Stored grain insect laboratory
 - Apiculture laboratory
- Location and Area: Faculty of Crop and Food Sciences, A-Block, 2nd Floor, Main Campus
- Objectives: Laboratories are used for:
- Practicle exercise and demonstrations to graduate students in their introductory and major courses.
- Research work for the graduate and post-graduate students
- Used for execution of the research/development projects funded by HEC, PSF, PARC, and other national and international agencies/institutions.

Future Need

- More spacious and well equipped laboratories to fulfill the contemporary level of research/education are necessitated for better output.

Standard-3.1: Laboratory manuals/documentation/instructions for experiments must be available and easily accessible to faculty and students

Laboratory manuals are not available. Presently the department library has all the relevant books. Though laboratories are not spacious but serving the purpose at limited level. The equipments being procured and replaced as per availability of funds. Equipments regarding molecular approaches are lacking e.g. centrifuge (slow and ultr),

PAG-Electrophoresis apparatus, PCR Spectrophotometer, relevant software, and some biochemicals.

Standard-3.2: There must be support personnel for instruction and maintaining the laboratories.

Laboratories are maintained by only one laboratory assistant (equipment, glassware, chemicals, material etc). Three laboratory attendants assist the students in practicals, cleaning and washing.

Standard-3.3: The University computing infrastructure and facilities must be adequate to support program's objectives.

- To upgrade the prevailing education facilities, separate class rooms are needed as presently classes (lectures) are taken in laboratories.
- Space limitation is a major constraint as department could not initiate some of the major subjects like sericulture, host plant resistance and insect vectors' research activities.
- **Computing facilities support:** Available to a limited number of faculty members and the post graduate students.
- **Shortcoming in computing infrastructure:** Computers with internet facilities should be available to all faculty members and postgraduate students.
- **Safety Arrangements:** There is no proper safety arrangements and no security plan are in place in case of emergency. The department is located on the 2nd floor, there is no emergency exits for the labs.

CRITERION 4: STUDENT SUPPORT AND ADVISING

To resolve students' issues regarding provision of guidance and information in various social and educational matters, Directorate of Students Affairs provides an effective support. University organizes various cultural activities and study tours/visits to broaden the students knowledge and experience to be utilized in their practical life.

Standard-4.1: Courses must be offered with sufficient frequency and number for students to complete the program in a timely manner

- Corresponding to the HEC guidelines and Academic Council's recommendations regarding schemes of study, all the courses are offered accordingly at graduate level. Though at Masters level all the courses are offered as per the above mentioned approvals/guidelines of the authorities but depend upon the availability of teachers and facilities.
- All the courses (number and type) are taught as per the HEC criterion/standard.
- To meet the human resource needs in public and private sector at national level, the post-graduate level courses are tailored accordingly.
-

Standard-4.2: Courses in the major area of study must be structured to ensure effective interaction between students, faculty and teaching assistants.

All of the courses are designed / tailored to address the teaching needs in an effective way. In this regard teaching staff and students are consulted periodically to get the feedback for further improvement. Along with theoretical aspects of the courses, practical work is also done in field/laboratories while students are also oriented to tackle their professional needs through different assignments and submission of reports. They are coupled with various institutions/organization to get updated knowledge and insight addressing their future needs.

In this regard

- Keeping in view the feedback from students and teachers, courses are structured and updated in the board of study meeting.

- It is common and general practice to maintain an effective interaction between students and faculty and inter and intra classes of the students.

Standard-4.3: Guidance on how to complete the program must be available to all students and access to qualified advising must be available to make course decisions and career choices.

Students are guided properly in relation to their on-going educational programs at university and also focusing their future needs.

- Entomology department has developed full harmony among the faculty members and students especially the post-graduate ones. Management has made all sorts of efforts to update their knowledge and information source.
- Students are informed about the program requirement through the office of the head of the department.
- Their information records related to their studies are regularly updated through teacher – student interaction.
- Directorate of Placement Bureau also helps in communicating and exploring jobs for the university students.

CRITERION 5: PROCESS CONTROL

It includes student admission, students' registration, faculty recruitment activities which are dealt by various statutory bodies and the university administration.

Standard-5.1: The process by which students are admitted to the program must be based on quantitative and qualitative criteria and clearly documented. This process must be periodically evaluated to ensure that it is meeting its objectives.

- A well established admission system works at university/department level. This is followed as per the rules and regulations set by the university. Admissions for different degree courses are properly advertised in the news papers having national level circulation.
- Admission criteria for different degree courses are described in definite terms by the university and admission system is based upon the recommendations of supervisory committee.
- Prior to the admission process, criterion for admission is revised every year as a regular process.

Standard-5.2: The process by which students are registered in the program and monitoring of students progress to ensure timely completion of the program must be documented. This process must be periodically evaluated to ensure that it is meeting its objectives

- Registration of students is done once in a degree course but evaluation is done a number of times through different examination stages. Successful completion of one semester ensures the promotion to the next semester.

- Recommendations regarding admission process for different departments are forwarded to the Registrar office for their formal registration as university student.
- On successful completion of 4th semester, graduate students are allotted major courses by the Dean Faculty of FC & FS.
- Admission merit based upon marks percentages of previous and entry test exams etc.

Standard-5.3: The process of recruiting and retaining highly qualified faculty members must be in place and clearly documented. Also processes and procedures for faculty evaluation, promotion must be consistent with institution mission statement. These processes must be periodically evaluated to ensure that it is meeting with its objectives

University follows recruitment policy given by the HEC. Induction of all positions at Faculty level is done as per rule:

- Different faculty positions are advertised in different newspapers of national circulation; Applications are received by the Registrar office, call letters are issued to the short-listed candidates on the basis of experience, qualification, publications and other qualities/activities as fixed by the University.
- The candidates are interviewed by the University Selection Board and Principal and alternate candidates are selected.
- Selection of candidates is approved by the Syndicate for issuing orders to join within a specified period.
- Induction of new candidates depends upon the number of approved vacancies.
- At present, no procedure exists for retaining highly qualified faculty members, however, the revised pay scales of structure is quite attractive.

- HEC also supports appointment of highly qualified members as foreign faculty Professor, National Professors and deputed them in various departments of the University.

Standard 5-4: The process and procedures used to ensure that teaching and delivery of course material to the students emphasizes active learning and that course learning outcomes are met. The process must be periodically evaluated to ensure that it is meeting its objectives

- To impart the most recent advances and techniques in entomology, course curriculum are regularly revised / updated time to time.
- With the emergence of new fields, new courses are set and included in the curriculum.
- Students usually buy relatively cheaper books of Asian Editions. These editions are also available in university library where computers, electronic journals and internet facility are made available to all faculty members and students.
- All sorts of audio visual aids are utilized in educational process.
- All efforts are made that the courses and knowledge imparted meet the objectives and outcome. The progress is regularly reviewed in the staff meetings.

Standard 5-5: The process that ensures that graduates have completed the requirements of the program must be based on standards, effective and clearly documented procedures. This process must be periodically evaluated to ensure that it is meeting its objectives.

- The Controller of Examinations announces the date of commencement of examination. After 10-20 days of the examinations, the controller office notifies the results of the students. The evaluation procedure involves quizzes, mid and final examinations, practicals, assignments and reports, oral and technical presentations. Candidates who secure 80% or above marks are awarded grade A; grade Gold medals are awarded to the students who secure highest marks in various fields. Degrees are awarded to the students on the annual convocation that is held annually.

CRITERION 6: FACULTY

6-1: There must be enough full time faculty who are committed to the program to provide adequate coverage of the program areas/courses with continuity and stability. The interests and qualifications of all faculty members must be sufficient to teach all courses, plan, modify and update courses and curricula. All faculty members must have a level of competence that would normally be obtained through graduate work in the discipline. The majority of the faculty must hold a Ph.D. in the discipline.

At present there is one professor and seven assistant professors working in the programme.

Table 7: Faculty Distribution by Program Areas in Entomology

Program area of specialization	Courses in the area and average number of students per year	Number of faculty members in each area	Number of faculty with Ph.D. degree
General Entomology	18	03	-
Stored Product Entomology	07	01	01
Insect Biosystematics	05	02	01
Applied Entomology	02	02	01
Total	32	7	3

Standard 6-2: All faculty members must remain current in the discipline and sufficient time must be provided for scholarly activities and professional development. Also, effective programs for faculty development must be in place. Effective Programs for Faculty Development

- Faculty members are provided with different academic, research and training facilities as per availability in the university system.
- Currently three faculty members are abroad for completion of their PhD degrees sponsored by HEC.

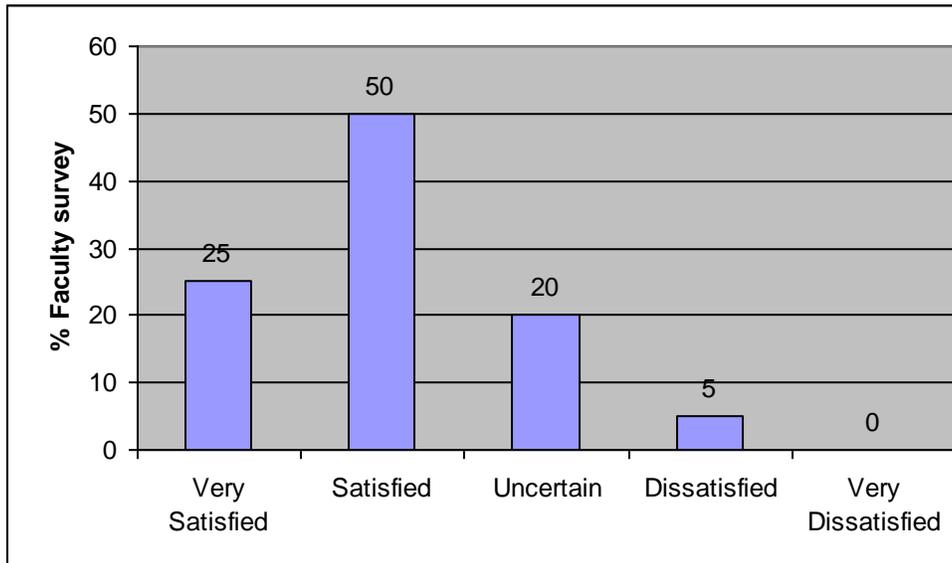
- Research supervisors are offered incentives for implementing different laboratory and filed experiments to promote high standard research activities.

Standard 6-3: All faculty members should be motivated and have job satisfaction to excel in their profession.

Motivation and encouragement are among the main tools for the better performance of the faculty team members. Faculty members are contented by the initiatives undertaken by the management in this regard. Formal and informal coaching by the senior faculty members, different entertainment events, field visits and excursions etc play a vital role in motivating the young faculty members.

Faculty Survey:

Below given figure represents the Faculty survey (Proforma 5). The results indicated that significantly 50% are satisfied as compared to others. However around 25% are very satisfied. Our HEC strengthened project will help to improve the practical workability.



At present one Professor and seven assistant professors are working in the department. Most faculty members are experienced and professionally sound in their respective fields.

Faculty Resume (Performa 9)

DR. MUHAMMAD NAEEM

Name	Dr. Muhammad Naeem
Personal	Professor Department of Entomology, Pir Mehr Ali Shah, Arid Agriculture University, Rawalpindi E-mail: naem18ap@yahoo.co.uk muhammad.naeem@uar.edu.pk Phones: Office: +92-519062206 Cell: 03335751475
Experience	<u>PROFESSIONAL EXPERIENCE:</u> 1.Associate Professor (2006-2010): Served in Department of Entomology, PMAS-Arid Agriculture University, Rawalpindi, Pakistan. 2.Assistant Professor (2001-2005): Served as Assistant Professor, Department of Entomology, University of Arid Agriculture, Rawalpindi. 3.Lecturer (1998-2001): Served as Lecturer, Department of Entomology, University of Arid Agriculture,Rawalpindi..
Honor and Awards	

<p>Membership</p>	<p>Hold memberships of the following Organisation and Societies</p> <p>1992-97 Agroforestry Research Group, UK</p> <p>1993-97 Pakistan Overseas Society, England</p> <p>1994-95 International Student Organisation, Leeds</p> <p>2002 to date The Agrics, Alumni Association, UAF.</p> <p>MEMBERSHIP OF VARIOUS COMMITTEES OF THE UNIVERSITY:</p> <table border="1" data-bbox="500 457 1560 919"> <thead> <tr> <th>S/#</th> <th>Name of the Committee</th> <th>Served as</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Tour Coordinator</td> <td>Convener</td> </tr> <tr> <td>2</td> <td>Time table and Date sheet Committee</td> <td>Convener</td> </tr> <tr> <td>3</td> <td>Comprehensive (Written & Oral) Examination Committee, Dept. Zoology, Dept. Wild life</td> <td>Member</td> </tr> <tr> <td>4</td> <td>Applications Scrutiny Committee for admission to B.Sc.(Hons.) Agri.</td> <td>Member</td> </tr> <tr> <td>5</td> <td>Scrutiny of Synopsis and Thesis, Department of Sociology and Anthropology</td> <td>Member</td> </tr> <tr> <td>6</td> <td>Quality control</td> <td>Member</td> </tr> </tbody> </table>	S/#	Name of the Committee	Served as	1	Tour Coordinator	Convener	2	Time table and Date sheet Committee	Convener	3	Comprehensive (Written & Oral) Examination Committee, Dept. Zoology, Dept. Wild life	Member	4	Applications Scrutiny Committee for admission to B.Sc.(Hons.) Agri.	Member	5	Scrutiny of Synopsis and Thesis, Department of Sociology and Anthropology	Member	6	Quality control	Member
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<p>Graduate Students</p> <p>Postdocs</p> <p>Undergraduate Students</p> <p>Honour Students</p>	<p><u><i>STATUS FOR M.Sc.(Hons.) STUDENTS UNDER MY SUPERVISION</i></u></p> <p>(a) Department of Entomology</p> <p><u>STATUS FOR Ph.D. STUDENTS UNDER MY SUPERVISION</u></p> <p>Member of M.Sc.(Hons.) Students (15 Students)</p> <p>Member for Ph.D. Students (07 Students)</p>																					
<p>Service Activity</p>	<p>Termite treatment, Household insect management in University</p>																					
<p>Brief Statement of</p>	<p>Insect biosystematics and ecology</p>																					

Research Interest	
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Publications	<p>Bodlah, I., M. Ahmad, M. F. Nasir and M. Naeem. 2010. Record of <i>Aenasius bambawalei</i> Hayat, 2009 (Hymenoptera: Encyrtidae) from Punjab, Pakistan. <i>Pakistan J. Zool.</i> 42(5). 533-536.</p> <p>I, A Khan, M. Naeem, S. A Hassan, H. Bilal, Ata-ul- Mohsin and I. Bodlah. 2012 .Survey of trophic relationship between aphid and their primary parasitoids in Potohar. <i>J. Insect Sci.</i>12.78.1-9.</p> <p>Bodlah, I.M. Naeem and E. Rakhshani.2011. First record of <i>Binodoxys basicurvus</i> Shujauddin, 1973 (Hymenoptera: Braconidae, Aphidiinae) from the Punjab Province of Pakistan. <i>Pakistan J. Zool.</i>, vol. 43(1), 202-205.</p> <p>Bodlah, I, M. A. Bodlah, T. Akhtar, M. Naeem and M. R. Khan .2011 .Record of <i>Delta dimidiatipenne</i> (Saussure, 1852) (Hymenoptera: Vespidae: Eumeninae) From Barani Areas of Punjab Province of Pakistan. <i>Pakistan J. Zool.</i>, vol. 43(5).1019-1020.</p> <p>Bodlah, I.M. Naeem and E. Rakhshani . 2012.Genus <i>Binodoxys</i> Mackauer, 1960 (Hymenoptera: Braconidae, Aphidiinae) from Punjab Province of Pakistan. <i>Pakistan J. Zool.</i> 44 (2): 551-57.</p> <p>Bodlah, I. M. Naeem and A. Mohsin. 2012. Distribution, Hosts and Biology of <i>Diaeretiella rapae</i> (M^oIntosh) (Hymenoptera: Braconidae: Aphidiinae) in Punjab, Pakistan. <i>P. J. Zoology.</i> 44(5)1307-1315.</p> <p>Arif shah, Ata Ul Mohsin, I. Bodlah and Muhammad Naeem.2012. Dubas Bug, <i>Ommatissus lybicus</i> (Tropiduchidae: Hemiptera) - A new record from Panjgur, Balochistan, Pakistan. <i>Pakistan J. Zool.</i>, vol. 44(6).1765-1769.</p> <p>Bodlah, I. M. Naeem and E. Rakhshani .2012 .Record of Genus <i>Proan</i> Haliday (Hymenopter, Braconidae, Aphidiinae) from Arid Tract of Punjab Province of Pakistan .<i>The Journal of Animal and Plant Sciences.</i>22 (4) - 944.947.</p> <p>Bodlah, I. M. Naeem, M. R. Khan,M. A. Bodlah and T. A. Akhter. 2012.Genus <i>Delta</i> de saussure (Hymenoptera: Eumininae, Vespidae) from Punjab province of Pakistan. <i>P. J. Zoology.</i>44 (33) .759-764.</p> <p>I. Bodlah, M. A. Bodlah, M. Naeem, T. Akhter, M. F. Nasir and M.T.Chaudhry .2012. First record, distribution and biology of Psyllid, <i>Trioza flecheri</i> minor Crawford, 1912 from Punjab Province. <i>Pak. J. Zool.</i> 44(5), 1361-1365.</p>
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Research Grants and Contracts	
Other Research or Creative Accomplishments	Three species of aphid parasitoids new to science
Selected Professional Presentations	

RESUME OF DR. HUMAYUN JAVED

Name	Dr. Humayun Javed
Personal	House No. 376, opposite Raja CNG station, main kurree road Rawalpindi hjumayun@gmail.com Tel. 0333-5154954
Experience	1998 – To date Assistant Professor Department of Entomology Arid Agriculture University, Murree road, Rawalpindi 1987- 1998 Lecturer, Arid Agriculture University Rawalpindi
Honor and Awards	SCHOLARSHIPS AWARDED <ul style="list-style-type: none"> • First position in B.Sc. (Hons.) degree course
Membership	nil

Graduate Students supervised Postdocs Undergraduate Students	26 Nil 22 students in Entomology major subject
Service Activity	
Brief Statement of Research Interest	Host Plant Resistance IPM
Publications	1. Published papers = 6 2. Submitted for publication = 2
Research Grants and Contracts	Nil
Other Research or Creative Accomplishments	
Selected Professional Presentations	

RESUME OF DR. ATA UL MOHSIN

Name	Dr. Ata ul mohsin
Personal	House No. 7, St. # 1, Sanobar Hill, Satra Meel, Bhara Kaho, Islamabad mohsin.malik1@hotmail.com Tel. 0300-5504577, 051-255056
Experience	May 07, 2008 – To date Assistant Professor (Higher Education Commission Pakistan) Department of Entomology Arid Agriculture University, Murree road, Rawalpindi July 01, 2004 - To Jan. 31, 2008 National Project Coordinator National Urban Poverty Alleviation Programme (United Nations Development Programme) Services Block, Univ. of Arid Agriculture Murree Road, Rawalpindi February 01, 2004-June 30, 2004 Project Manager National Urban Poverty Alleviation Program – AJK (United Nations Development Programme) Planning & Development Department, New Secretariat Muzaffarabad, AJK

	<p>October, 2002 – December 2003 Assistant Project Manager/IPM Specialist Area Development Project South AJK (United Nations Development Programme) Forest Office Premises, Allama Iqbal Road Mirpur, AJK</p> <p>January 1998 to Oct. 2002 IPM Specialist Neelum and Jhelum Valleys Community Development Project, Muzaffarabad (UNDP) Area Development Project South AJK Mirpur (UNDP) Area Development Program, AJ&K. (PAK/96/005) (UNDP)</p> <p>May 1997 to December 1997 Scientific officer Integrated Pest Management Institute NARC, Islamabad</p> <p>August 1986-May 1992 Scientific officer Entomological Research Laboratories</p> <p>December 85 - August 86 Assistant Research Officer Fodder Research Institute Sargodha, Pakistan</p>
Honor and Awards	<p>SCHOLARSHIPS AWARDED</p> <ul style="list-style-type: none"> • Benevolent Fund Scholarship during Higher Secondary School Certificate • University Merit Scholarship during B.Sc. (Hons.) degree course • Pakistan Atomic Energy Commission Talent Scholarship, during Master degree course • Cultural Exchange Scholarship during Ph.D. <p>DISTINCTIONS/ AWARDS</p> <ul style="list-style-type: none"> • <i>Silver medal in university Debates Univ. of Agriculture Faisalabad Certificate of Merit, 1985-86.</i> • 2nd position in M.Sc. (Hons.) degree course among 50 students class Entomology Deptt. U.A. Faisalabad • 2nd position in B.Sc. (Hons.) degree course among 45 students class Entomology Dept.U.A. Faisalabad • 3rd position in Arabic language Diploma Course at University of Agri. Faisalabad • Letter of Appreciation from Chairman, Pakistan Agricultural Research Council, Islamabad. • A number of shields awarded in recognition of developmental work in UNDP funded projects
Membership	<p>ASSOCIATION WITH SCIENTIFIC AND PROFESSIONAL ORGANIZATIONS</p> <ul style="list-style-type: none"> • Member of Pakistan Congress of Zoology • Member of Pakistan Entomological Society • Professional Member of Human Resource Development

	<p>Network (HRDN), Islamabad, Pakistan.</p> <p>MEMBER OF EDITORIAL BOARD</p> <ul style="list-style-type: none"> • Co-Editor of “Idrak” a quarterly news paper of Neelum and Jhelum Valleys Community Development Project, Muzaffarabad. 1998-2001. • Editor of “Telepest” A pest management Newsletter of Neelum and Jhelum Valleys Community Development Project, Muzaffarabad.1998-2001. • Editor of Quarterly Newsletter “AKS”, ADP South AJK,Mirpur. • Editor of “NUPAP Newsletter” of National Urban Poverty Alleviation Programme, a UNDP founded project .
Graduate Students	Nil
Postdocs	Nil
Undergraduate Students	22 students in Entomology major subject
Honour Students	Nil
Service Activity	
Brief Statement of Research Interest	Biological control of insect pests
Publications	<p>3. Published papers = 12</p> <p>4. Submitted for publication = 3</p>
Research Grants and Contracts	Nil
Other Research or Creative Accomplishments	<p>Establishment of Trichogramma chilonis rearing laboratory at Entomology Dept. Directorate General of Agriculture, Muzaffarabad, AJK</p> <p>Development of Pest Management system for Walnut Borer in Neelum and Jhelum Vallies Muzaffarabad AJK</p>
Selected Professional Presentations	<p>Pest Management of insect pests in Barani Areas.</p> <p>Natural resource Development with special focus on agriculture</p>

RESUME OF DR. M. FAROOQ NASIR

Name	Dr. M. Farooq nasir
Personal	House # 234, Street # 31, Sector I-8-2, Islamabad, Pakistan cell: 03005215084
Experience	Assistant Professor PMAS-Arid Agriculture University

	<p>Rawalpindi (Oct. 2009 to date)</p> <p>Higher Scientific Officer CABI South Asia, Pakistan (Jan.2006-June 2007)</p> <p>Worked as Project Manager of “IPM Advisory Group Project” in North Western Frontier Province (NWFP) districts of Chitral, Swat, and DIKhan in collaboration with the <i>Intercooperation</i> (an International NGO). The project was financially sponsored by the Swiss Development Corporation (SDC). The responsibilities included:</p> <p>Scientific Officer CAB International Regional Bioscience Centre Pakistan (1997-2004)</p> <p>Assistant Manager Bayer-Agro Pakistan Pvt. Ltd (1991-1996)</p> <p>Five years (1991-1996) experience as Assistant Manager in multinational Agro-chemical Company (BAYER) Chemdyes Pakistan Pvt. Ltd. The details of duties performed were as under:</p> <p>Junior Scientific Officer Pakistan Agricultural Research Council, Islamabad, Pakistan (1987-1988)</p>
Honor and Awards	
Membership	
<p>Graduate Students</p> <p>Postdocs</p> <p>Undergraduate Students</p> <p>Honour Students</p>	<p>Years Degree Name</p>
Service Activity	
Brief Statement of Research Interest	

Publications	<ol style="list-style-type: none"> 1. Farooq, M. N., M. A. Sabri and M. H. Khan (1991). Chemical control of some insect pests of bitter gourd (<i>Momordica charantia</i>) Pak. Entomol. 13 (1-2): 89pp 2. Farooq, M. N., C. Buttner, C. Reichmuth and M. Schoeller, (2006). Die <i>Trichogramma</i> fauna Pakistan (Hymenoptera: Trichogrammatidae). Proceedings of the German Entomological Society (DGAAE) 15: 93-96
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	<ol style="list-style-type: none"> 3. Farooq, M. N., (2005). Chapter 5: Molecular studies of <i>Trichogramma</i> species occurring in Pakistan. PhD thesis, Humboldt University Berlin, ISBN 3-89820-996-2. 61pp. 4. Farooq, M. N., C. Buttner, C. Reichmuth and M. Schoeller (2007). A new species of the genus <i>Trichogramma</i> Westwood (Hymenoptera: Trichogrammatidae) from Pakistan similar to <i>T. chilonis</i> Ishii (ready for submission). 5. Second Annual Progress Report of the project "IPM Advisory Group: Advancing IPM for Development". CABI: DR03043. (2006).
Research Grants and Contracts	
Other Research or Creative Accomplishments	
Selected Professional Presentations	<ul style="list-style-type: none"> • Participated in the 2nd International Symposium on Biological Control of Arthropods 12-16 September 2005, Davos, Switzerland. • Participated in the Conference of the German Entomological Society (DgaaE) 21-24 March 2005, Dresden, Germany. • Participated in 2nd Global workshop of Bio-Net International at Cardiff, Wales, United Kingdom from 22 to 29 August 1999.

RESUME OF MR. MUNIR AHMAD

Name	Dr. Munir Ahmad	
Personal	Department of Entomology, PMAS-Arid Agriculture University Rawalpindi Ph:03006361618 E.mail: munirahmad@uaar.edu.pk	
Experience	01.04.2010 to date	Working as a consultant for Insect Pest Management at Hydroponics Project of Farmers Marketing (Pvt) Ltd
	28/09/2011 to date	Assistant Professor, Department of Entomology, Pir Mehr Ali Shah, Arid Agriculture University Rawalpindi
	18.09.2008-27/09/2011	Lecturer, Department of Entomology, Pir Mehr Ali Shah, Arid Agriculture

	<p>May 2008 to 15.09.2008</p> <p>May 2004 – May 2008</p> <p>Sep 2002 – April 2004</p> <p>Sep 2000 – Sep 2002</p>	<p>University Rawalpindi Scientific Officer, Central Cotton Research Institute, Old Shujabad Road, Multan under Project “Biological control of cotton insect pests of cotton in Pakistan”</p> <p>(PhD Thesis) University College of Agriculture, Bahauddin Zakariya University, Multan.</p> <p>Scientific Officer, Central Cotton Research Institute, Old Shujabad Road, Multan under CFC Project “Sustainable control of cotton bollworm, <i>Helicoverpa armigera</i> under small scale cotton production systems”</p> <p>Technical Sales Officer, Helb Pesticide and Chemicals Co. Mall Plaza, Multan Cantonment, Multan Fieldwork for pesticides’ sales and marketing</p>
Honor and Awards	<p>SCHOLARSHIPS AWARDED</p> <ol style="list-style-type: none"> 1. International Research Support Initiative Program for PhD studies, Higher Education Commission, Government of Pakistan (Jan, 31st – July 04th, 2007). 2. Merit Scholarship under 200 Scholarship Scheme for PhD Studies, Ministry of Science and Technology, (Higher Education Commission) Government of Pakistan (September, May, 2004 – May 16, 2008) 3. Merit Scholarship for F. Sc studies by Board of Education, Multan, Pakistan (1991-1993) 	
Membership	<p>ASSOCIATION WITH SCIENTIFIC AND PROFESSIONAL ORGANIZATIONS</p> <ul style="list-style-type: none"> • Member of Pakistan Congress of Zoology • Member of Pakistan Entomological Society • Member of Pakistan University Teachers Forum • Member of Young Scientist Society, Pakistan 	
Graduate Students	Six (6)	
Postdocs	Nil	
Undergraduate Students	Nil	
Honour Students	Nil	

Service Activity	Responsible for department time table and date sheet Serving as consultant at FMP, University Hydroponics farm
Brief Statement of Research Interest	Insecticide resistance and Pollinators conservation
Publications	Published papers = Nine (9) international with more than 10 impact factor and above 100 citations Submitted for publication = 2 (two)
Research Grants and Contracts	Two
Other Research or Creative Accomplishments	Developed management strategy of insecticide resistance in leaf worm, <i>Spodoptera litura</i> in Punjab, Pakistan
Selected Professional Presentations	NA

RESUME OF DR. ASIF AZIZ

Name	Dr. Muhammad Asif Aziz
Personal	House No. 27, St. # 1, Bilal Colony, Dhok Kashmirian, Rawalpindi asifaziz572@gmail.com Tel. 0322-6862246
Experience	Assistant Professor (Regular) in Department of Entomology in PMAS Arid Agriculture University Rawalpindi from 20-06-2012 to date. Assistant Professor (Adhoc) in Department of Entomology in PMAS Arid Agriculture University Rawalpindi from 31-05-2012 to 20-06-2012. Lecturer (Regular) in Department of Entomology in PMAS Arid Agriculture University Rawalpindi from 04-05-2012 to 30-05-2012. Lecturer (Contract) in Department of Entomology in PMAS Arid Agriculture University Rawalpindi from 12-07-2011 to 03-05-2012. Lecturer (Leave Vacancy) in Department of Entomology in

	PMAS Arid Agriculture University Rawalpindi from 26-01-2008 to 11-07-2011.
Honor and Awards	<p>SCHOLARSHIPS AWARDED</p> <ul style="list-style-type: none"> • Benevolent Fund Scholarship during Higher Secondary School Certificate • University Merit Scholarship during B.Sc. (Hons.) degree course • UGC Merit Scholarship during M. Sc. (Hons.) degree
Membership	<p>ASSOCIATION WITH SCIENTIFIC AND PROFESSIONAL ORGANIZATIONS</p> <ul style="list-style-type: none"> • Member of Pakistan Congress of Zoology • Member of Pakistan Entomological Society
Graduate Students	8
Postdocs	Nil
Undergraduate Students	23 students in Entomology major subject
Honour Students	6
Research Grants and Contracts	1. PMAS-AAUR funded project entitled: “Exploration of pesticidal effect of different neem products for the management of wheat aphids
	1. Aziz, M. A., M. Hasan, A. Ali and J. Iqbal. 2012.

<p>Publications (2010-12)</p>	<p>Comparative efficacy of different strategies for management of spotted bollworms, <i>Earias</i> spp. On okra, <i>Abelmoschus esculentus</i> (L.) Moench. Pak. J. Zool. 44 (5)1203-1208.</p> <p>2. S. Bushra, M. Aslam, M.A. Aziz and M. Ahmed.2012. Grain damage, viability and weight loss in different barley cultivars due to <i>Sitotroga cerealella</i> (Oliv.) infestation, Archives Of Phytopathology And Plant Protection, DOI:10.1080/03235408.2012.736282</p> <p>3. Hameed, A., M.A. Aziz, and G. M. Aheer. 2012. Impact of ecological conditions on biology of cotton mealy bug, <i>Phenacoccus solenopsis</i> (Hemiptera: Pseudococcidae) in laboratory. Pak. J. Zool. 44(3)685-690.</p> <p>4. Aziz, M. A., M. Hasan, A. Ali, A. Suhail and S. T. Sahi. 2012. Role of different physico-chemical characters in host plant preference of <i>Earias</i> spp. on okra. Pak. J. Zool. 44(2): 361-369.</p> <p>5. Saifullah, H. Javed and M. A. Aziz .2012. Role of physico-morphic characters of different okra genotypes in relation to population of <i>Amrasca biguttula biguttula</i> Ishida. J. Agric. Res. 50(2)217-224.</p> <p>6. Javed, H. M. Younas and M. A. Aziz. 2012. Evaluation of different potato cultivars against potato tuber moth (<i>Phthorimaea operculella</i> Zeller). J. Agric. Biol. Sci. 3(1)45-49.</p> <p>7. Aziz, M. A., M. Hasan, and A. Ali. 2011. Impact of abiotic factors on incidence of fruit and shoot infestation of spotted bollworms <i>Earias</i> spp. on okra (<i>Abelmoschus esculentus</i> L.). Pak. J. Zool. 43(5): 863-868.</p> <p>8. Hameed, A., M.A. Aziz, and G. M. Aheer. 2010. Susceptibility of <i>Bemisia tabaci</i> Gen. (Diptera: Aleyrodidae) to selected Insecticides. Pak. J. Zool. 42(3):295-300.</p>
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RESUME OF DR. DR. MUHAMMAD TARIQ

Name	Dr. Muhammad Tariq
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Personal	House No. 163, St. # 20, Sector G-10/2, Islamabad mtariq@uair.edu.pk Tel. 0334-7471271
Experience	October 18, 2011 – To date Assistant Professor Department of Entomology, PMAS-Arid Agriculture University Rawalpindi, Murree road, Rawalpindi October 18, 2006 - To October 17, 2011 Department of Entomology, PMAS-Arid Agriculture University Rawalpindi, Murree road, Rawalpindi
Honor and Awards	
Membership	ASSOCIATION WITH SCIENTIFIC AND PROFESSIONAL ORGANIZATIONS <ul style="list-style-type: none"> • Royal Entomological Society • British Ecological Society
Graduate Students Postdocs Undergraduate Students Honour Students	Nil Nil 3 students in Entomology major subject Nil
Service Activity	
Brief Statement of Research Interest	Insect Plant Interactions
Publications	5. Published papers = 8 6. Submitted for publication = 4
Research Grants and Contracts	Nil
Other Research or Creative Accomplishments	Water stress, root herbivory and above-ground multitrophic interactions in a crucifer-aphid system
Selected Professional Presentations	<ul style="list-style-type: none"> • Drought alters interactions between root and foliar herbivores: links with the plant chemistry flash presentation in 12th European Ecological Federation Congress, Avila, Spain, September 25-29, 2011. • “Drought modifies multitrophic interactions above and below ground” poster presentation in Ento 2010 The Royal

	<p>Entomological Society Annual National Science meeting, Swansea University, UK, 26-28 July 2010.</p> <ul style="list-style-type: none"> • “Aphids in a changing world: testing the plant stress, plant vigour and pulsed stress hypotheses” oral presentation in Ento 2010 The Royal Entomological Society Annual National Science meeting, Swansea University, UK, 26-28 July 2010. • “Drought modifies tritrophic interactions above and below ground” poster presentation in Graduate School of Life Science & Medicine Summer Research Symposium at South Kensington Campus, Imperial College London, UK, 9 July 2010. • “Aphids in a changing world: testing the plant stress, plant vigour and pulsed stress hypotheses” oral presentation in BioResources Young Researchers 2010 at University of Reading, UK organized by Society of Chemical Industry’s BioResources Group, 30 June 2010.
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RESUME OF DR. ASIM GULZAR

Name	Dr. Asim Gulzar
Personal	House No. 3b University colony No 3.Hostel road Rawalpindi asim@uaar.edu.pk Tel. 0331-5444283
Experience	<p>October, 2011 – To date Assistant Professor Department of Entomology Arid Agriculture University, Murree road, Rawalpindi</p> <p>December, 2004-October 2011 Assistant Director Research/ Lecturer, Arid Agriculture University Rawalpindi</p> <p>August, 2004-December 2004 Research associate, Agriculture University Faisalabad</p> <p>March, 2004-August 2004 Cotton Inspector, Punjab agriculture Department</p> <p>October, 2002 – March 2004 Technical Sales officer, Syngenta Pakistan</p>
Honor and Awards	<p>SCHOLARSHIPS AWARDED</p> <ul style="list-style-type: none"> • University Merit Scholarship during B.Sc. (Hons.) degree

	<p>course</p> <ul style="list-style-type: none"> Higher Education foreign scholarship for Ph.D.
Membership	<p>ASSOCIATION WITH SCIENTIFIC AND PROFESSIONAL ORGANIZATIONS</p> <ul style="list-style-type: none"> Member of Royal Entomological Society London
Graduate Students supervised Postdocs Undergraduate Students	<p>1 Nil 22 students in Entomology major subject</p>
Service Activity	
Brief Statement of Research Interest	<p>Insecticide resistance, Insect Toxicology Biological control of insect pests</p>
Publications	<p>7. Published papers = 2</p> <p>8. Submitted for publication = 5</p>
Research Grants and Contracts	<p>Nil</p>
Other Research or Creative Accomplishments	
Selected Professional Presentations	

RESUME OF DR. IMRAN BODLAH

Name	IMRAN BODLAH
Personal	District Layyah, wariach garden near police line, 03228758287
Experience	<p>MAY, 2011 Assistant professor upto date April, 2008, Lecturer, Department of Entomology-PMAS-AAUR October 2004, Water Management Officer, Own farm water management district Muzafar Garh.</p>

Honor and Awards	Teachings assistantship scholarship during PhD
Membership	Botanical Societ of Pakistan
Graduate Students Postdocs Undergraduate Students	13
Honour Students	1
Service Activity	Teaching classes to B.Sc (Hons) and M.Sc. (Hons)
Brief Statement of Research Interest	Biosystematics of Aphids ,aphid parasitoids and hyperparasitoids and their Biology

Publications	<p>Bodlah, I., M. Ahmad, M. F. Nasir and M. Naeem. 2010. Record of <i>Aenasius bambawale</i> Hayat, 2009 (Hymenoptera: Encyrtidae) from Punjab, Pakistan. <i>Pakistan J. Zool.</i> 42(5). 533-536.</p> <p>E. Rakhshani, H. Barahoei, Z. Ahmed, Ž. Tomanović, M.</p> <p>Janković, A. Petrović, P. Starý and I. Bodlah.2012. New species and additional evidence of aphid parasitoid (Hymenoptera: Braconidae: Aphidiinae) from India. <i>Zootaxa</i>.3397.45-54.</p> <p>E, Rakhshani, S. Kazemzadeh, P. Starý, H. Barahoei, N. G. Kavallieratos, A.Četković,I. Bodlah and Ž. Tomanović.2012. Parasitoids (Hmenoptera: Braconidae:Aphidiinae) of northeastern Iran: Aphidiine-aphid- plant associations, key and description of a new species. <i>Journal of Insect Science</i>. Vol. 12 (143).1-26.</p> <p>I, A Khan, M. Naeem, S. A Hassan, H. Bilal, Ata-ul- Mohsin and I. Bodlah. 2012 .Survey of trophic relationship between aphid and their primary parasitoids in Potohar. <i>J. Insect Scie.</i>12.78.1-9.</p> <p>Bodlah, I.M. Naeem and E. Rakhshani.2011. First record of <i>Binodoxys basicurvus</i> Shujauddin, 1973 (Hymenoptera: Braconidae, Aphidiinae) from the Punjab Province of Pakistan. <i>Pakistan J. Zool.</i>, vol. 43(1), 202-205.</p> <p>Bodlah, I, M. A. Bodlah, T. Akhtar, M. Naeem and M. R. Khan .2011. Record of <i>Delta dimidiatipenne</i> (Saussure, 1852) (Hymenoptera: Vespidae: Eumeninae) From Barani Areas of</p>
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	<p>Punjab Province of Pakistan. Pakistan J. Zool., vol. 43(5).1019-1020.</p> <p>Bodlah, I.M. Naeem and E. Rakhshani . 2012.Genus <i>Binodoxys</i> Mackauer, 1960 (Hymenoptera: Braconidae, Aphidiinae) from Punjab Province of Pakistan. Pakistan J. Zool. 44 (2): 551-57.</p> <p>Bodlah, I. M. Naeem and A. Mohsin. 2012. Distribution, Hosts and Biology of <i>Diaeretiella rapae</i> (M'Intosh) (Hymenoptera: Braconidae: Aphidiinae) in Punjab, Pakistan. P. J. Zoology. 44(5)1307-1315.</p> <p>Arif shah, Ata Ul Mohsin, I. Bodlah and Muhammad Naeem.2012. Dubas Bug, <i>Ommatissus lybicus</i> (Tropiduchidae: Hemiptera) - A new record from Panjgur, Balochistan, Pakistan. Pakistan J. Zool., vol. 44(6).1765-1769.</p> <p>Bodlah, I. M. Naeem and E. Rakhshani .2012 .Record of Genus <i>Proan</i> Haliday (Hymenopter, Braconidae, Aphidiinae) from Arid Tract of Punjab Province of Pakistan .The Journal of Animal and Plant Sciences.22 (4) - 944.947.</p> <p>Bodlah, I. M. Naeem, M. R. Khan,M. A. Bodlah and T. A. Akhter. 2012.Genus <i>Delta</i> de saussure (Hymenoptera: Eumininae, Vespidae) from Punjab province of Pakistan. P. J. Zoology.44 (33) .759-764.</p> <p>I. Bodlah, M. A. Bodlah, M. Naeem, T. Akhter, M. F. Nasir and M.T.Chaudhry .2012. First record, distribution and biology of Psyllid, <i>Triozaflecheri</i> minor Crawford, 1912 from Punjab Province. Pak. J. Zool. 44(5), 1361-1365.</p>
Research Grants and Contracts	N/A
Other Research or Creative Accomplishments	Three species of Aphid parasitoids
Selected Professional Presentations	N/A

RESUME OF DR. JAVED IQBAL

As he was interim placement so did not supervised any M.Sc. Or Ph.D student. Now He is working at Islamia University, Bahawalpure.

CRITERION 7: INSTITUTIONAL FACILITIES

Standard- 7.1: The institution must have the infrastructure to support new trends in learning such as e-learning:

The faculty has access to e-library which is very helpful for the high quality education and producing research of international standard. They also have access to the internet. However the department lacks facilities as mentioned below:

- No registered softwares of computer programmes are available to be installed at departmental level.
- Registered antivirus software is immediately required.
- Registered versions of Microsoft Windows, Office XP, Adobe reader, writer are required.
- A printer with in built scanner and fax facility is urgently needed by the department.

Standard- 7.2: The library must possess an up-to-date technical collection relevant to the program and must be adequately staffed with professional personnel

The University Central Library has very limited number of books, journals and periodicals. It's a small library in term of space and facilities with no catalogue systems. It does not meet the standards of a University Library. Department itself is developing its own library. It needs funds allocation to establish a well equipped library at departmental level.

Standard- 7.3: Class-rooms must be adequately equipped and offices must be adequate to enable faculty to carry out their responsibilities

Currently the class rooms are not enough and the space is not only limited but some basic facilities are lacking. Multimedia are not available for the lecture halls. Practical lab space is also not meeting the needs which affects the quality of teaching. Although at present offices for the faculty are sufficient, yet on the return of the remaining faculty, we will face severe problem regarding shortages of offices for the staff.

CRITERION 8: INSTITUTIONAL SUPPORT

The university administration has been striving to strengthen all the departments and up-gradation of departments and establishing new Faculties and Institutes. The university is

also trying to attract highly qualified faculty members. Currently, the university has launched tenure track system which would be helpful in pooling up better human resources as faculty members.

Standard 8-1: There must be sufficient support and financial resources to attract and retain high quality faculty and provide the means for them to maintain competence as teachers and scholars

At present department is having inadequate financial resource to meet the present needs for a better education system. Individual research grants for students and faculty are mainly supporting the departmental research activities. Keeping in view the awful need for increasing the financial resources to establish a library, laboratories and computer facilities, the HEC has approved a project for strengthening the department. This project will prove beneficial in improving the quality of education and research.

Standard 8-2: There must be an adequate number of high quality graduate students, research assistants and Ph.D. students.

The department offers admission annually to graduate and M.Sc. Hons students. However Ph.D. admission is usually offered in each semester.

Standard- 8.3: Financial resources must be provided to acquire and maintain Library holdings, laboratories and computing facilities.

Although administration provides adequate financial resources, yet there is need to increase budget to carry out advance level research.

INSTITUTIONAL FACILITIES

The institution must have the infrastructure to support new trends in learning such as e-learning

- Electronic library books and journals are available for learning purpose.
- Insufficient facilities regarding the infrastructure to support new trends in learning are prevalent
- The library must possess an up-to-date technical collection relevant to the program and must be adequately staffed with professional personnel.

- In sufficient library's technical collection of books
- Recommended books, relevant journals of the programs are not available to the students
- However, this aspect needs to be strengthened in number and space.

Class rooms must be adequately equipped and offices must be adequate to enable faculty to carry out their responsibilities.

Summary and Conclusion

Department of Entomology, Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi is playing an important role for producing technically sound and skilled manpower at graduate level and enriching arid agriculture by providing with practical and economical

solution to the insect pest problems. During present self assessment reporting period, most of the Program's outcomes are found highly satisfactory. Teachers' evaluation figures of ten teachers depict high standards; their performance score ranges from 4.4 to 4.8 with an average of 4.65. Student's evaluation score ranged from 4.4 to 4.5 with an average value of 4.3. Alumni survey revealed variable results with regard to different traits like knowledge, management and leadership qualities, interpersonal communication skill etc. Faculty survey revealed that total of 19-23 students got registered during the period and 8-45% scored A grade, 40.75-85 % scored B grade and 9-30% scored C grade. The courses were found very much appropriate and in line with the curriculum and intended objectives. The survey regarding graduate students' revealed that majority of the students showed satisfaction with the programme. However, a few students were dissatisfied with the environment, contents of the curriculum and team work abilities.

To design and develop degree courses curriculum, department also rendered its technical input in designing and development of course curriculum. All periodic activities related to education, department played its role very effectively and efficiently. All the examinations were conducted as per schedules given by the Controller Exams and all of the academic schemes were prepared as per guidelines provided. The number of courses along with their titles and credit hours for each semester, their course contents for degree program were fully planned and finalized. The evaluation score concerning their effectiveness was found very much above the satisfactory level.

Assessment activity also incorporates a survey about the available facilities and blockage in the field of education. In a very much planned manner, measures have been adopted to guide students in development of communication skills through organizing meetings and tutorials, conducting field visits, hunting employment and effective cooperation and interaction with all stakeholders. Besides, the guidelines and the course of action formulated by the Higher Education Commission and the university itself are fully followed in all sort of activities related to admissions, teaching, research, examinations, procurement and recruitment processes etc. Still there is a need to get trained the faculty members in current fields of Entomology like molecular level studies. Programmes

strength can be still enriched with equipping the graduate laboratories with advanced high tech instrumentation.