

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES RAJAMPET
(An Autonomous Institution)
DEPARTMENT OF HUMANITIES AND SCIENCES

Fourteenth Meeting of Board of Studies (H&S)

Time and Date of Conduct: 11.00 am onwards, 15th October 2022

Venue: Online Meeting (Microsoft Teams)

Members Present (Online):

- | | | |
|--------------------------------|---|--------------------------|
| 1. Dr. B. Bala Nagendra Prasad | - | Chairman |
| 2. Dr. M. Uma Maheswar | - | Member |
| 3. Dr. M. Praveena | - | Member |
| 4. Dr. R. Rama Raghavulu | - | Member |
| 5. Dr. A. Viswadevarayalu | - | Member |
| 6. Prof. S. P. Dhanvel | - | Member (Outside) |
| 7. Prof. Beeraiah Baire | - | Member (Outside) |
| 8. Prof. K. C. Siva Kumar | - | Member (Outside) |
| 9. Mr. S. Vinay | - | Member (Industry Expert) |

Members Absent:

- | | | |
|--------------------------------|---|--------------------|
| 1. Prof. K. S. Ramachandra Rao | - | Member (Outside) |
| 2. Prof. R. Swarna Latha | - | University Nominee |

References: 1. Course Feedback from Students and Teachers is analyzed and brought up for discussion in Boards of Studies to frame/revise the syllabus of the respective course.

RESOLUTIONS

Item No: 14-BOS-HS1

The Board of Studies resolved to approve the minutes of the 13th Board of Studies meeting held on 16th May 2022.

Item No: 14-BOS-HS2

It is resolved to review syllabi for Basic Science, Humanities, Mandatory courses and Open Elective Courses offered at I, II, III and IV B. Tech level and I Year MCA level in R20 Regulations.

Item No: 14-BOS-HS3

It is resolved to frame the syllabi of the following courses offered at I M. B. A. level in R22 Regulations. The syllabi of the courses from R19 regulations have been adopted without any changes in R22 Regulations.

Name of the Course	Credits	Semester	Code
Business Statistics	4	I Semester	22CC11T
Managerial Communication	4	I Semester	22CC12T
Executive Communication	4	II Semester	22CC22L

Item No: 14-BOS-HS4

The syllabi for the following Mathematics courses offered at B. Tech and MCA level are reviewed.

Name of the Course	Semester	Code
Algebra and Calculus	I-I Semester	20AC11T
Differential Equations and Vector Calculus	I-II Semester	20AC21T

Partial Differential Equations and Numerical Methods	II-I Semester	20AC31T
Transform Techniques & Complex Variables	II-I Semester	20AC32T
Discrete Mathematics	II-II Semester	20AC33T
Probability and Statistics	II-II Semester	20AC41T
Numerical Methods and Random Variables	II-II Semester	20AC42T
Linear Algebra and Numerical Analysis (OE)	III-I Semester / IV-I Semester	20AC5BT/ 7BT
Probability and Statistics	I-I Semester	20DC11T

Item No: 14-BOS-HS5

The syllabi for the following Humanities courses offered at B. Tech. & MCA are reviewed. The course content was found to be satisfactory, and no modifications were suggested.

Name of the Course	Semester	Code
Communicative English	I-I Semester / I-II Semester	20AC15T/25T
Communicative English Lab	I-I Semester / I-II Semester	20AC15L/25L
Professional Communication	III-I / III-II Semester	20AC51L/61L
Literature and Life	III-I / III-II Semester / IV-I Semester	20AC5AT/ 7AT
Constitution of India	III-I / III-II Semester	20AC52T/62T
Essence of Indian Traditional Knowledge	III-I / III-II Semester	20AC53T/63T
Universal Human Values II	IV-I Semester	20AC71T
Technical Communication	I-I Semester	20DC12T
ELCS Lab	I-I Semester	20DC12L

Item No: 14-BOS-HS6

The syllabi of Physics courses were reviewed by the expert members via email and the course content was found to be satisfactory.

Name of the Course	Semester	Code
Applied Physics	I-I/I-II Semester	20AC12T
Applied Physics Lab	I-I/I-II Semester	20AC12L
Engineering Physics	I-II Semester	20AC24T
Engineering Physics Lab	I-II Semester	20AC24L

Item No: 14-BOS-HS7

The syllabi of Chemistry courses were reviewed and were found to be satisfactory.

Name of the Course	Semester	Code
Engineering Chemistry	I-I Semester	20AC14T
Engineering Chemistry Lab	I-I Semester	20AC14L
Chemistry	I-I/I-II Semester	20AC13T/23T
Chemistry Lab	I-I/I-II Semester	20AC13L/23L
Environmental Science	I-I/I-II Semester	20AC16T/26T
Life Sciences	II-I/II-II Semester	20AC34T

Item No: 14-BOS-HS9

It is resolved to take into consideration the comments, suggestions, feedback given by the expert members when the syllabi for Science and Humanities courses is prepared for the coming regulations.

It is unanimously resolved that the Chairman, Board of Studies, is authorized for any modifications, if necessary.

Link for the recorded meeting

14th BoS Meeting of Dept of H&S, AITS Rajampet

[Meeting in General -20221015 110619-Meeting Recording.mp4](#)



(Dr. B. Bala Nagendra Prasad)
Chairman-BoS, H&S, AITS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Communicative English (20AC15T/25T) **Offered to:** Common to all

The course met my expectations.	90.12
The course met my needs.	89.88
The course was challenging.	90.36
The course made me think.	89.88
The course increased my level of interest in this field of study.	90.83
The course gave me confidence to do more advanced work in the subject.	90.60
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	89.40
The course was organized in a manner that helped me understand underlying concepts.	89.76
The course consists of modern / advanced topics in the field of study.	89.64
The number of classes per week are appropriate for the course level.	90.83
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	91.55
The lectures, study material, assignments and exams complemented each other.	90.83
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	90.71
The exams and assignments were reflective of the course content	88.69
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	90.48
I received useful feedback on my performance in exams/assignments	89.76
The course outcomes are appropriate to the objectives of the course.	89.76
The course outcomes are well-defined.	89.52
The course contents (syllabus) are relevant in attaining course outcomes.	90.24
I have confidence that I am able to achieve the desired course outcomes.	90.48
This course helped me to understand the context, topic, and pieces of specific information from social or transactional dialogues spoken by native speakers of English	89.64
This course improved my ability to read, scan and skim texts such as literary forms, journalistic articles and scientific readings for comprehension and retention	89.64
The course increased my ability to exhibit self-confidence and speak in formal and informal contexts	90.83
My ability to apply grammatical knowledge in speech and writing and formulate sentences with accuracy has increased	90.00
I am now able to produce coherent and unified paragraphs with adequate support and detail	89.76
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	91.67

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Communicative English Lab (20AC15L/25L)**Offered to:** Common to all

The course met my expectations.	90.28
The course met my needs.	90.23
The course was challenging.	89.72
The course made me think.	89.36
The course increased my level of interest in this field of study.	90.69
The course gave me confidence to do more advanced work in the subject.	89.97
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	90.49
The course was organized in a manner that helped me understand underlying concepts.	90.28
The course consists of modern / advanced topics in the field of study.	89.77
The number of classes per week are appropriate for the course level.	90.08
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	89.87
The lectures, study material, assignments and exams complemented each other.	90.28
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	90.59
The exams and assignments were reflective of the course content	90.59
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	90.13
I received useful feedback on my performance in exams/assignments	90.54
The course outcomes are appropriate to the objectives of the course.	90.28
The course outcomes are well-defined.	90.13
The course contents (syllabus) are relevant in attaining course outcomes.	90.69
I have confidence that I am able to achieve the desired course outcomes.	90.13
This course helped me to neutralize their pronunciation of English sounds, and their accent	90.59
This course improved my ability to adopt effective listening skills for better comprehension of English, spoken by native speakers	91.20
The course increased my ability to illustrate themselves in social and professional context effectively	90.59
My ability to improve their public speaking skills and make technical presentations confidently	91.00
I am now able to describe people and situations using adjectives effectively	90.08
I am able to assess and deduct data from graphs/pie charts/tables	90.95
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	91.41

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Applied Physics (20AC12T/22T) **Offered to:** Common to EEE, ECE, AIML, CSE, AIDS

The course met my expectations.	85.45
The course met my needs.	85.29
The course was challenging.	86.54
The course made me think.	85.60
The course increased my level of interest in this field of study.	85.06
The course gave me confidence to do more advanced work in the subject.	85.68
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	85.68
The course was organized in a manner that helped me understand underlying concepts.	85.99
The course consists of modern / advanced topics in the field of study.	85.29
The number of classes per week are appropriate for the course level.	86.46
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	86.54
The lectures, study material, assignments and exams complemented each other.	89.03
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	87.63
The exams and assignments were reflective of the course content	88.48
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	87.16
I received useful feedback on my performance in exams/assignments	87.94
The course outcomes are appropriate to the objectives of the course.	86.77
The course outcomes are well-defined.	87.78
The course contents (syllabus) are relevant in attaining course outcomes.	88.72
I have confidence that I am able to achieve the desired course outcomes.	86.61
This course helped me to explain the concepts of interference, diffraction and polarization and identify their applications in engineering field	89.57
This course improved my ability to summarize the various types of polarization of dielectrics, classification of magnetic materials and the applications of dielectric and magnetic materials	88.40
The course increased my ability to apply electromagnetic wave propagation in different guided media and Explain fiber optics concepts in various fields with working principle	87.24
My ability to outline the properties of various types of semiconductors and identify the behavior of semiconductors in various fields has increased	88.95
I am now able to explain various concepts of superconductors and nanomaterials with their applications in various engineering branches	88.64
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	86.77

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Applied Physics Lab (20AC12L/22L)**Offered to:** Common to EEE, ECE, AIML, CSE, AIDS

The course met my expectations.	95.00
The course met my needs.	94.42
The course was challenging.	93.85
The course made me think.	94.62
The course increased my level of interest in this field of study.	94.23
The course gave me confidence to do more advanced work in the subject.	93.46
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	93.08
The course was organized in a manner that helped me understand underlying concepts.	94.42
The course consists of modern / advanced topics in the field of study.	94.04
The number of classes per week are appropriate for the course level.	93.08
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	93.65
The lectures, study material, assignments and exams complemented each other.	93.27
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	93.85
The exams and assignments were reflective of the course content	94.04
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	93.85
I received useful feedback on my performance in exams/assignments	94.23
The course outcomes are appropriate to the objectives of the course.	94.42
The course outcomes are well-defined.	93.46
The course contents (syllabus) are relevant in attaining course outcomes.	93.65
I have confidence that I am able to achieve the desired course outcomes.	93.85
This course helped me to operate various optical instruments and estimate various optical parameters	93.27
This course improved my ability to estimate the various magnetic properties	93.27
The course increased my ability to measure properties of semiconductors	92.50
My ability to determine the properties of dielectric materials and optical fiber materials has increased	93.65
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	93.46

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Engineering Physics (20AC24T) **Offered to:** Common to CE & ME

The course met my expectations.	85.00
The course met my needs.	85.00
The course was challenging.	86.67
The course made me think.	86.67
The course increased my level of interest in this field of study.	88.33
The course gave me confidence to do more advanced work in the subject.	85.00
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	88.33
The course was organized in a manner that helped me understand underlying concepts.	85.00
The course consists of modern / advanced topics in the field of study.	81.67
The number of classes per week are appropriate for the course level.	85.00
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	86.67
The lectures, study material, assignments and exams complemented each other.	88.33
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	93.33
The exams and assignments were reflective of the course content	91.67
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	93.33
I received useful feedback on my performance in exams/assignments	86.67
The course outcomes are appropriate to the objectives of the course.	88.33
The course outcomes are well-defined.	88.33
The course contents (syllabus) are relevant in attaining course outcomes.	91.67
I have confidence that I am able to achieve the desired course outcomes.	86.67
This course helped me to explain physics applied to solve engineering problems in mechanics	90.00
This course improved my ability to apply the principles of acoustics for noise cancellation and explain the applications of ultrasonics in various engineering fields	90.00
The course increased my ability to summarize the various types of polarization of dielectrics, classification of magnetic materials and the applications of dielectric and magnetic materials	88.33
My ability to apply the lasers and optical fiber concepts in various applications has increased	86.67
I am now able to identify the sensors for various engineering applications	88.33
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	91.67

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course: Engineering Physics Lab (20AC24L) Offered to: Common to CE & ME**

The course met my expectations.	97.5
The course met my needs.	100
The course was challenging.	97.5
The course made me think.	92.5
The course increased my level of interest in this field of study.	100
The course gave me confidence to do more advanced work in the subject.	92.5
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	97.5
The course was organized in a manner that helped me understand underlying concepts.	92.5
The course consists of modern / advanced topics in the field of study.	97.5
The number of classes per week are appropriate for the course level.	100
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	100
The lectures, study material, assignments and exams complemented each other.	92.5
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	95
The exams and assignments were reflective of the course content	95
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	95
I received useful feedback on my performance in exams/assignments	95
The course outcomes are appropriate to the objectives of the course.	97.5
The course outcomes are well-defined.	95
The course contents (syllabus) are relevant in attaining course outcomes.	95
I have confidence that I am able to achieve the desired course outcomes.	100
This course helped me to understand the characteristics and behavior of various materials	97.5
This course improved my ability to estimate the basic characteristic quantities of LASER and ultrasonics	100
The course increased my ability to exhibit an ability to use techniques and skills associated with modern engineering tools such as fiber optics and sensors.	97.5
I am now able to measure properties of a semiconductors, magnetic and dielectric materials.	97.5
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	92.5

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Chemistry (20AC13T/23T)**Offered to:** Common to CSE, AIDS, EEE, ECE & AIML

The course met my expectations.	88.06
The course met my needs.	87.48
The course was challenging.	88.32
The course made me think.	89.06
The course increased my level of interest in this field of study.	88.12
The course gave me confidence to do more advanced work in the subject.	87.54
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	87.44
The course was organized in a manner that helped me understand underlying concepts.	88.32
The course consists of modern / advanced topics in the field of study.	87.70
The number of classes per week are appropriate for the course level.	88.48
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	89.00
The lectures, study material, assignments and exams complemented each other.	88.58
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	88.96
The exams and assignments were reflective of the course content	88.64
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	87.99
I received useful feedback on my performance in exams/assignments	88.90
The course outcomes are appropriate to the objectives of the course.	87.90
The course outcomes are well-defined.	89.09
The course contents (syllabus) are relevant in attaining course outcomes.	88.22
I have confidence that I am able to achieve the desired course outcomes.	88.58
This course helped me to explain the significance of electrode potentials, classify ion selective electrodes, and list different types of electrodes	88.61
This course improved my ability to compare various batteries, explain the concepts involved in the construction of lithium cells, different fuel cells and apply redox principles for construction of batteries and fuel cells	88.61
The course increased my ability to illustrate the mechanism of conduction in conducting polymers, and explain the preparation, properties, and applications of various polymers	88.32
My ability to differentiate various analytical techniques has increased	87.83
I am now able to compare molecular switches and molecular machines, and distinguish between molecular machines	88.06
Which topic(s) would you recommend to be added to the course content?	
Do you have any specific recommendations/comments for improving this course?	
Overall, how would you rate the course?	88.48

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Engineering Chemistry (20AC14T) **Offered to:** Common to CE & ME

The course met my expectations.	89.62
The course met my needs.	92.69
The course was challenging.	88.46
The course made me think.	87.69
The course increased my level of interest in this field of study.	90.00
The course gave me confidence to do more advanced work in the subject.	91.54
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	91.92
The course was organized in a manner that helped me understand underlying concepts.	91.92
The course consists of modern / advanced topics in the field of study.	90.00
The number of classes per week are appropriate for the course level.	91.92
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	92.31
The lectures, study material, assignments and exams complemented each other.	93.08
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	90.77
The exams and assignments were reflective of the course content	90.00
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	89.23
I received useful feedback on my performance in exams/assignments	90.38
The course outcomes are appropriate to the objectives of the course.	90.38
The course outcomes are well-defined.	93.08
The course contents (syllabus) are relevant in attaining course outcomes.	90.38
I have confidence that I am able to achieve the desired course outcomes.	91.15
This course helped me to compare different water analysis and water treatment methods	90.38
This course improved my ability to apply the principles of corrosion control and differentiate various cells	91.15
The course increased my ability to explain different types of polymers and fuels	89.62
My ability to explain the classification, properties and applications of engineering materials has increased	91.54
I am now able to analyze the properties and applications of nanomaterials and smart materials and distinguish the principles of XRD and SEM	91.15
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	91.92

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Chemistry (20AC13L/23L)**Offered to:** Common to CSE, AIDS, EEE, ECE & AIML

The course met my expectations.	87.72
The course met my needs.	86.87
The course was challenging.	87.14
The course made me think.	86.78
The course increased my level of interest in this field of study.	86.47
The course gave me confidence to do more advanced work in the subject.	86.03
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	86.47
The course was organized in a manner that helped me understand underlying concepts.	87.27
The course consists of modern / advanced topics in the field of study.	85.63
The number of classes per week are appropriate for the course level.	87.32
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	87.27
The lectures, study material, assignments and exams complemented each other.	88.65
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	88.25
The exams and assignments were reflective of the course content	88.60
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	87.72
I received useful feedback on my performance in exams/assignments	88.34
The course outcomes are appropriate to the objectives of the course.	87.67
The course outcomes are well-defined.	87.36
The course contents (syllabus) are relevant in attaining course outcomes.	87.49
I have confidence that I am able to achieve the desired course outcomes.	87.94
This course helped me to operate instruments such as pH meter, conductivity meter, viscometer and potentiometer	88.47
This course improved my ability to estimate Zn, Cr, Fe, Cu and other functional groups in various samples	88.82
The course increased my ability to determine physical properties of liquids and synthesize polymers and nanomaterials	87.36
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	88.25

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Engineering Chemistry Lab (20AC14L) **Offered to:** Common to CE & ME

The course met my expectations.	93.33
The course met my needs.	94.81
The course was challenging.	92.59
The course made me think.	94.07
The course increased my level of interest in this field of study.	91.11
The course gave me confidence to do more advanced work in the subject.	97.78
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	88.15
The course was organized in a manner that helped me understand underlying concepts.	88.89
The course consists of modern / advanced topics in the field of study.	91.85
The number of classes per week are appropriate for the course level.	89.63
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	92.59
The lectures, study material, assignments and exams complemented each other.	90.37
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	91.11
The exams and assignments were reflective of the course content	89.63
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	89.63
I received useful feedback on my performance in exams/assignments	91.11
The course outcomes are appropriate to the objectives of the course.	87.41
The course outcomes are well-defined.	88.15
The course contents (syllabus) are relevant in attaining course outcomes.	88.89
I have confidence that I am able to achieve the desired course outcomes.	90.37
This course helped me operate instruments such as pH meter, conductivity meter, viscometer and potentiometers	92.59
This course improved my ability to estimate Cr, Fe & Cu and other metals in various compounds	88.15
The course increased my ability to analyze the quality of ground water sample and determine physical properties of liquids	90.37
I am now able to determine calorific value of different fuel samples and synthesize polymers	88.89
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	94.81

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Algebra and Calculus (20AC11T)**Offered to:** Common to all

The course met my expectations.	91.10
The course met my needs.	90.86
The course was challenging.	90.78
The course made me think.	90.94
The course increased my level of interest in this field of study.	90.53
The course gave me confidence to do more advanced work in the subject.	89.96
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	89.88
The course was organized in a manner that helped me understand underlying concepts.	90.20
The course consists of modern / advanced topics in the field of study.	89.31
The number of classes per week are appropriate for the course level.	90.20
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	89.55
The lectures, study material, assignments and exams complemented each other.	90.94
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	91.51
The exams and assignments were reflective of the course content	90.53
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	91.10
I received useful feedback on my performance in exams/assignments	90.29
The course outcomes are appropriate to the objectives of the course.	89.63
The course outcomes are well-defined.	90.45
The course contents (syllabus) are relevant in attaining course outcomes.	91.59
I have confidence that I am able to achieve the desired course outcomes.	91.59
This course helped me to apply the knowledge to solve System of linear equations	91.67
This course improved my ability to develop the use of matrix algebra techniques that is needed by engineers for practical applications	91.10
The course increased my ability to classify the functions of several variables which is useful in optimization	91.02
My ability to solve important tools of calculus in higher dimensions and be familiar with 2-dimensional, 3-dimensional coordinate systems has increased	90.45
I am now able to understand the properties of beta and gamma functions and its relations	91.18
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	91.76

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Differential Equations and Vector Calculus (20AC21T) **Offered to:** Common to all

The course met my expectations.	91.16
The course met my needs.	91.16
The course was challenging.	90.98
The course made me think.	91.16
The course increased my level of interest in this field of study.	91.52
The course gave me confidence to do more advanced work in the subject.	91.16
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	90.71
The course was organized in a manner that helped me understand underlying concepts.	90.45
The course consists of modern / advanced topics in the field of study.	91.07
The number of classes per week are appropriate for the course level.	91.25
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	89.20
The lectures, study material, assignments and exams complemented each other.	92.05
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	93.66
The exams and assignments were reflective of the course content	91.43
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	91.61
I received useful feedback on my performance in exams/assignments	91.96
The course outcomes are appropriate to the objectives of the course.	91.34
The course outcomes are well-defined.	91.96
The course contents (syllabus) are relevant in attaining course outcomes.	91.96
I have confidence that I am able to achieve the desired course outcomes.	91.16
This course helped me to solve the differential equations related to various engineering fields	91.96
This course improved my ability to generalize and solve the higher order differential equation by analyzing physical situations	91.25
The course increased my ability to identify solution methods for partial differential equations that model physical processes	91.16
My ability to understand the physical meaning of different operators such as gradient, curl and divergence has increased	92.14
I am now able to find the work done against a field, circulation and flux using vector calculus	91.61
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	92.05

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Discrete Mathematics (20AC33T) **Offered to:** Common to CSE, AIDS & AIML

The course met my expectations.	80.78
The course met my needs.	80.39
The course was challenging.	79.61
The course made me think.	83.14
The course increased my level of interest in this field of study.	85.10
The course gave me confidence to do more advanced work in the subject.	84.31
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	81.57
The course was organized in a manner that helped me understand underlying concepts.	84.31
The course consists of modern / advanced topics in the field of study.	81.57
The number of classes per week are appropriate for the course level.	82.35
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	78.43
The lectures, study material, assignments and exams complemented each other.	84.31
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	83.53
The exams and assignments were reflective of the course content	80.78
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	83.14
I received useful feedback on my performance in exams/assignments	82.35
The course outcomes are appropriate to the objectives of the course.	81.57
The course outcomes are well-defined.	82.75
The course contents (syllabus) are relevant in attaining course outcomes.	82.35
I have confidence that I am able to achieve the desired course outcomes.	81.18
This course helped me to understand and apply the logic statements and express logical sentences in terms of logical connectives	81.96
This course improved my ability to analyze the various types of recurrence relations and apply the methods to find out their solutions	84.31
The course increased my ability to understand sets, relations, functions, and discrete structures	81.57
My ability to apply graph theory concepts in core subjects such as data structures and network theory effectively has increased	80.78
I am now able to apply the properties of Trees in Engineering applications	81.96
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	83.53

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Numerical Methods and Random Variables (20AC42T) **Offered to:** Common to EE & ECE

The course met my expectations.	90.96
The course met my needs.	89.88
The course was challenging.	90.12
The course made me think.	90.48
The course increased my level of interest in this field of study.	90.48
The course gave me confidence to do more advanced work in the subject.	89.88
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	88.19
The course was organized in a manner that helped me understand underlying concepts.	89.88
The course consists of modern / advanced topics in the field of study.	89.28
The number of classes per week are appropriate for the course level.	91.20
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	88.80
The lectures, study material, assignments and exams complemented each other.	92.05
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	91.81
The exams and assignments were reflective of the course content	90.96
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	91.20
I received useful feedback on my performance in exams/assignments	91.45
The course outcomes are appropriate to the objectives of the course.	90.96
The course outcomes are well-defined.	90.96
The course contents (syllabus) are relevant in attaining course outcomes.	90.96
I have confidence that I am able to achieve the desired course outcomes.	92.29
This course helped me to apply the knowledge of numerical methods to solve algebraic and transcendental equations and acquire the knowledge of interpolation	90.96
This course improved my ability to apply the techniques of numerical differentiation, Integration and numerical solutions of ordinary differential equations to engineering Problems	91.20
The course increased my ability to calculate and interpret the correlation between two variables	90.48
My ability to analyze the basic concepts of probability and random variables	90.48
I am now able to use probability distribution for random variables in Engineering field	89.28
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	92.17

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Partial Differential Equations & Numerical Methods (20AC31T) **Offered to:** Common to CE & ME

The course met my expectations.	84.85
The course met my needs.	85.76
The course was challenging.	87.27
The course made me think.	85.76
The course increased my level of interest in this field of study.	83.64
The course gave me confidence to do more advanced work in the subject.	85.15
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	85.45
The course was organized in a manner that helped me understand underlying concepts.	84.55
The course consists of modern / advanced topics in the field of study.	81.21
The number of classes per week are appropriate for the course level.	84.85
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	84.55
The lectures, study material, assignments and exams complemented each other.	86.97
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	86.67
The exams and assignments were reflective of the course content	89.09
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	86.06
I received useful feedback on my performance in exams/assignments	88.48
The course outcomes are appropriate to the objectives of the course.	85.45
The course outcomes are well-defined.	84.85
The course contents (syllabus) are relevant in attaining course outcomes.	84.85
I have confidence that I am able to achieve the desired course outcomes.	84.55
This course helped me apply the knowledge of numerical methods to solve algebraic and transcendental equations	85.15
This course improved my ability to apply the knowledge of interpolation	87.88
The course increased my ability to understand the techniques of numerical differentiation and Integration	86.06
My ability to solve the ordinary differential equations using numerical methods has increased	87.88
I am now able to solve the boundary value problems (related to heat, one dimensional wave equation)	84.55
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	87.27

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Probability and Statistics (20AC41T) **Offered to:** Common to CE, ME, CSE, AIDS & AIML

The course met my expectations.	89.04
The course met my needs.	89.23
The course was challenging.	88.85
The course made me think.	88.46
The course increased my level of interest in this field of study.	85.58
The course gave me confidence to do more advanced work in the subject.	86.15
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	85.38
The course was organized in a manner that helped me understand underlying concepts.	86.92
The course consists of modern / advanced topics in the field of study.	85.38
The number of classes per week are appropriate for the course level.	88.27
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	84.62
The lectures, study material, assignments and exams complemented each other.	90.38
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	88.85
The exams and assignments were reflective of the course content	88.27
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	88.46
I received useful feedback on my performance in exams/assignments	90.19
The course outcomes are appropriate to the objectives of the course.	87.31
The course outcomes are well-defined.	86.92
The course contents (syllabus) are relevant in attaining course outcomes.	86.92
I have confidence that I am able to achieve the desired course outcomes.	86.92
This course helped me to calculate and interpret the correlation between two variables	86.92
This course improved my ability to understand the basic concepts of Probability, random variables and apply discrete and continuous probability distributions	89.04
The course increased my ability to employ the concepts of probability distributions in real life applications	87.50
My ability to design the components of a classical hypothesis test for large samples has increased	87.69
I am now able to apply the knowledge of test of hypothesis for small samples in Engineering field	87.31
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	87.69

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Transform Techniques & Complex Variables (20AC32T) **Offered to:** Common to EEE & ECE

The course met my expectations.	89.09
The course met my needs.	88.48
The course was challenging.	89.24
The course made me think.	90.00
The course increased my level of interest in this field of study.	88.94
The course gave me confidence to do more advanced work in the subject.	88.79
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	88.18
The course was organized in a manner that helped me understand underlying concepts.	88.48
The course consists of modern / advanced topics in the field of study.	85.91
The number of classes per week are appropriate for the course level.	89.39
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	87.42
The lectures, study material, assignments and exams complemented each other.	91.82
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	89.85
The exams and assignments were reflective of the course content	90.45
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	89.24
I received useful feedback on my performance in exams/assignments	89.39
The course outcomes are appropriate to the objectives of the course.	89.39
The course outcomes are well-defined.	90.76
The course contents (syllabus) are relevant in attaining course outcomes.	89.09
I have confidence that I am able to achieve the desired course outcomes.	90.00
This course helped me to understand the Properties of the Laplace transformations	90.30
This course improved my ability to apply Inverse Laplace transformations to solve the ordinary differential equations in engineering	90.00
The course increased my ability to study fundamentals of Fourier series and Fourier transforms and apply them to solve Engineering problems	90.76
My ability to understand and apply the notation of analytic functions has increased	89.55
I am now able to apply power series and residue theorem in evaluating the real line integrals	87.73
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	88.33

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Environmental Science (20AC16T/26T) **Offered to:** Common to all

The course met my expectations.	88.58
The course met my needs.	88.51
The course was challenging.	87.73
The course made me think.	89.15
The course increased my level of interest in this field of study.	88.72
The course gave me confidence to do more advanced work in the subject.	88.72
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	88.44
The course was organized in a manner that helped me understand underlying concepts.	88.87
The course consists of modern / advanced topics in the field of study.	88.94
The number of classes per week are appropriate for the course level.	87.30
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	88.79
The lectures, study material, assignments and exams complemented each other.	87.80
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	88.94
The exams and assignments were reflective of the course content	87.94
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	88.87
I received useful feedback on my performance in exams/assignments	89.15
The course outcomes are appropriate to the objectives of the course.	89.15
The course outcomes are well-defined.	90.07
The course contents (syllabus) are relevant in attaining course outcomes.	89.29
I have confidence that I am able to achieve the desired course outcomes.	90.64
This course helped me to explain how natural resources should be used	90.21
This course improved my ability to identify the need to protect ecosystems and biodiversity for future generations	90.35
The course increased my ability to list out the causes, effects, and control measures of environmental pollution	90.28
My ability to demonstrate knowledge to the society in the proper utilization of goods and services	89.08
I am now able to outline the interconnectedness of human dependence on the earth's ecosystems	90.28
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	89.86

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET**Department of Humanities and sciences****COURSE END SURVEY REPORT****Course:** Life Sciences for Engineers (20AC34T/44T) **Offered to:** Common to all

The course met my expectations.	79.33
The course met my needs.	79.41
The course was challenging.	79.92
The course made me think.	79.08
The course increased my level of interest in this field of study.	78.08
The course gave me confidence to do more advanced work in the subject.	77.82
The course enhanced my ability to summarize, synthesize, analyze, and apply information.	78.16
The course was organized in a manner that helped me understand underlying concepts.	79.25
The course consists of modern / advanced topics in the field of study.	77.99
The number of classes per week are appropriate for the course level.	78.24
The instructional materials (i.e., prescribed textbooks, reference books, study material, lab manual, multimedia, software) increased my knowledge and skills in the subject.	80.00
The lectures, study material, assignments and exams complemented each other.	80.84
The written assignments (formative tests) contributed to my knowledge of the course and understanding of the subject.	79.58
The exams and assignments were reflective of the course content	80.42
The exams/assignments/project/other graded work were a fair assessment of my knowledge of the course material.	79.67
I received useful feedback on my performance in exams/assignments	81.34
The course outcomes are appropriate to the objectives of the course.	80.75
The course outcomes are well-defined.	81.09
The course contents (syllabus) are relevant in attaining course outcomes.	80.00
I have confidence that I am able to achieve the desired course outcomes.	79.58
This course helped me to explain stages of Systematics.	79.83
This course improved my ability to summarize application of biomolecules.	78.83
The course increased my ability to identify DNA as a genetic material in the molecular basis of information transfer.	81.26
My ability to analyze biological processes at the Genetic Engineering has increased	80.42
I am now able to identify the potential of recombinant DNA technology.	80.42
Which topic(s) would you recommend to be added to the course content? (Please type your answer or you may skip this question)	
Do you have any specific recommendations/comments for improving this course? (Please type your answer or you may skip this question)	
Overall, how would you rate the course?	78.41