

**(Abstract)**

Conduct of Value Added Courses (VAC) 2024-'25 - proposals received from four more departments, viz. University Teaching Departments of Malayalam, Studies in English , Physics and ITEC, Palayad - Syllabi & Guidelines-Approved -Permission granted- Orders Issued

**ACADEMIC D SECTION**

ACAD D/ACAD D5/14984/2023

Dated: 06.02.2025

- Read:-1. Proposal submitted by Department of Physics dated: 06.12.2024  
2. Proposal submitted by Department of Malayalam Dated:13.12.2024  
3. Proposal submitted by ITEC, Palayad Dated:16.12.2024  
4. Proposal submitted by Department of Studies in English dated:17.12.2024  
5. U.O No. ACAD D/ACAD D5/14984/2023 Dated: 31.01.2025  
6. Emails from HoDs of Malayalam, Studies in English, Physics depts. and also from AD, ITEC, Palayad.  
7. Emails from HoD, Malayalam and AD,ITEC, Palayad dated:04.02.2025  
8. The Orders of the Vice Chancellor in the file No. ACAD D/ACAD D5/14984/2023 dtd 06.02.2025

**ORDER**

1. Vide papers read as (1) to (4) above, the Proposals to conduct the Value Added Course(VAC) (2024-25) were submitted by four more Departments viz., Depts. of Malayalam, English, Physics and IT Education Centre of the University.

2. Although the aforementioned Departments had submitted the proposals ( as per papers read (1) to (4) above), these proposals were not mailed to the official E-mail address of the Registrar. Hence the same were not included in the list of VAC, approved earlier, vide the paper read as (5) above.

3. As per the paper read (6) above, the Heads, Departments of Malayalam, English, Physics and the Assistant Director of ITEC, Palayad requested to approve the Proposals submitted by them and sought permission for the conduct of VACs in their respective Departments.

4. Vide paper read(7) above the HoD, Malayalam and AD, ITEC palayad re-submitted their proposals to avoid repetition of the VACs already conducted in their respective Departments.

5. The Details of the VACs are mentioned below.

SI No.	Department	Campus	VAC 2024-25	Course Code
1.	Malayalam	Nileswaram	Communicative English	MAL24VA01
2.	Physics	Payyannur	Scientific Illustration Master Class	PHY24VA01
3.	Studies in English	Palayad	English for Professional Enhancement	ENG24VA01
4.	ITEC	Palayad	Development of Web application in REACT and Machine Learning applications	ITE24VA01

The Vice Chancellor, after considering the matter in detail and exercising the powers conferred under Section 11(1), Chapter III of the Kannur University Act, 1996 and all other enabling provisions, has accorded sanction to approve and implement the Syllabi of the four Value Added Courses also for 2024-25, along with the respective Course Codes, as detailed in Para (5) above, subject to reporting the matter before the Academic Council.

6. Further the Guidelines for conducting the VAC(2024-25), as approved by the Vice Chancellor are as follows.

- i) Minimum instructional hours shall be 30.
- ii) Maximum financial allocation shall be Rs.30,000/- (Rupees Thirty Thousand only) to each Department/Centre per Course for the conduct of VAC.
- iii) No Advance shall be paid for the conduct of the Value Added Courses. Expenditure in this regard shall be paid directly to the 'End Beneficiary', on submission of bills/vouchers.
- iv) As the Fund towards the Value Added Courses are to be met from the Plan Fund, no fee shall be levied from the Students.
- v) The Heads of the Departments /Centres are authorized to prepare and keep the Attendance Registers showing 30hrs and the details of Faculty who conducts the classes.
- vi) **Classes are to be completed on or before 05-03-2025. The Bills and vouchers, towards the Expenditure in this regard shall be submitted to the University by the HoDs/CDs/ADs concerned on or before 15-03-2025. No extension of time will be given in this regard.**
- vii) Classes shall be conducted in offline/Online/hybrid mode, without affecting the regular Teaching hours.
- viii) The Examinations on the Value Added Courses shall be conducted by the Head of the Department/ADs/CDs concerned.
- ix) The Certificate for Value added Courses shall be issued only in Digital Format and with Digital Signature. The responsibility to issue the Certificates of Value Added Course is vested with the HoDs/CDs/ADs, with the approval of the Department Council concerned.
- x) HoDs/CDs/ADs concerned shall forward the bills and allied documents with a covering letter including the details of classes conducted and Bio-data of the Resource Person(s) who handles the Classes, immediately after the completion of the Course.
- xi) A detailed report of the Courses conducted shall be submitted to the University, including the Students list, class timings, geo-tagged photos of the sessions etc

7. The Web Manager shall take necessary actions to upload the Syllabi of Value Added Course 2024-'25 offered in University Teaching Depts./Centres on the University Website ([www.kannuruniversity.ac.in](http://www.kannuruniversity.ac.in)).

Orders are issued accordingly.

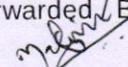
Sd/-

**ANIL CHANDRAN R**  
**DEPUTY REGISTRAR (ACADEMIC)**  
For REGISTRAR

To: 1. HoDs/AD concerned  
2. Finance Branch  
3. Examination Branch (Through the PA to CE)

Copy To: 1. PS to VC/PA to PVC/ PA to R/ PA to FO/PA to CE  
2. EP IV Section/Academic C Section  
3. JR & All DRs (Exam) DR/ AR (Academic)/Computer Programmer  
4. Director IT Centre/Web Manager (To upload the Syllabi on the University web Site)  
5. Director, IQAC  
6. SF/DF/FC

Forwarded / By Order

  
SECTION OFFICER

**Communicative English  
Syllabus**

**Course Code: MAL24VA01**

This course is designed to improve the English language skills of Postgraduate students/ M A Malayalam students, focusing on communicative competence in academic, professional, and social contexts. Students will develop their reading, writing, listening, and speaking skills through a range of activities, including discussions, presentations, and written assignments.

**Module 1: Introduction to Communicative Language Teaching**

1. Defining communicative language
2. Principles of communicative language
3. Vocabulary acquisition strategies
4. Learning and using collocations
5. Word formation and word families
6. Using dictionaries and online resources

**Module 2: Grammar Review, Pronunciation and Fluency Development**

1. Review of verb tenses and aspects
2. Model verbs and hedging devices
3. Conditional sentences and wish clauses
4. Passive voice and sentence transformation
5. Introduction to phonetics and phonology
6. Pronunciation practice: individual sounds and intonation

**Module 3 : Fluency Developments , Translation**

1. Fluency development: speaking and listening activities
  2. Using technology to improve pronunciation and fluency
- Practical Session: Translation English to Malayalam  
Practical Session: Translation Malayalam to English

Resource Person - Smt.Nishna Rajan M A English,NET, Four year Experience in Various Colleges

  
**DR. REEJA. V**  
**PROFESSOR & HEAD**  
**DEPARTMENT OF MALAYALAM**  
**KANNUR UNIVERSITY**  
**DR. P. K. RAJAN MEMORIAL CAMPUS**  
**NILESHWAR-671314, KASARAGOD**

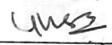
DC എറ്റിംഗ്

മണ്ണുരുത്തി സർവ്വകലാശാലയിലെ മലയാള വിഭാഗം വിദ്യാർത്ഥികളുടെ മൂന്നാം നിലയിൽ എറ്റിംഗ് 2025 ഫെബ്രുവരി 4 ന് 3 മണിക്ക് വെച്ചു നടത്തുന്ന പ്രവേശന പരീക്ഷയിൽ പങ്കെടുക്കാനാണ്.

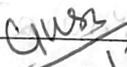
നമ്പരം: 3 മണി

അമ്മേജൻ: VAC ലെറ്റർ അംഗീകരിക്കൽ

പ്രവേശന പരീക്ഷ

1. പ്രൊ. അബ്ദുൾ റഹ്മാൻ 
2. പ്രൊ. വിദ്യാലക്ഷ്മി 
3. മേധാവ്: റജി. വി. 

മണ്ണുരുത്തി സർവ്വകലാശാലയിലെ മലയാള വിഭാഗം 2024-25 വർഷം നടപ്പിലാക്കാൻ ഉദ്ദേശിക്കുന്ന VAC ലെറ്റർ Communicative English അണ്ഡം. മൂന്നാം ലെറ്റർ വിദ്യാർത്ഥികൾക്ക് മൂന്നാം നിലയിൽ അംഗീകരിക്കാനും സർവ്വകലാശാലയുടെ അംഗീകാരത്തിന് സർവ്വകലാശാലയിൽ ശുപാർശ ചെയ്യാനും ചെയ്യും. ലെറ്റർ ലെറ്റർ- ഓർഡിനേറ്റർ നിലയിൽ തയ്യാറാക്കി.   
 എ: പ്രൊ. അബ്ദുൾ റഹ്മാൻ (ലെറ്റർ- ഓർഡിനേറ്റർ)

  
4/2/2025

Dr. REEJA V.  
PROFESSOR & HEAD  
DEPARTMENT OF MALAYALAM  
KANNUR UNIVERSITY  
Dr. P.K. RAJAN MEMORIAL CAMPUS  
NILESHWAR - 671314, KASARAGOD

Live interactive course for Physics PG students

# Scientific Illustration Masterclass

Learn how to create professional illustrations and figures to communicate your science and research

COURSE CODE : PHY24VA01

Department of Physics, Kannur University, 2025

## Scientific Illustration



This course is essential for Physics PG students as it equips them with the skills to communicate complex scientific concepts visually, a crucial aspect of modern research. By mastering tools like Adobe Illustrator, Blender, and Photoshop, students will be able to create professional, publication-ready visuals that enhance the impact and accessibility of their work, ensuring they stand out in the competitive field of scientific research.

## Programme Overview

The Scientific Illustration Masterclass is a specialized 30 hour online course designed for Physics PG students to enhance their ability to visually communicate complex scientific concepts. The course offers live interactive sessions, hands-on projects, and lifetime access to recorded materials. Students will learn to create accurate and visually compelling figures for research publications, cover art illustrations, and graphical abstracts using tools such as Adobe Illustrator, Blender, Photoshop, and more. The program also offers personalized support through our learning app.

## Programme Highlights

-  15 hours training + 15 hours guided hands-on projects
-  Guest lectures by industry experts
-  Online verifiable E-certificate issued by Scidart Academy
-  Project showcasing and hands-on assignments
-  Live community support from instructors through mobile app

## Learning Outcomes

- 1) Graphic design fundamentals and principles for science communication
- 2) 2D Vector Drawing using Adobe Illustrator and Inkscape
- 3) 3D Illustration Using Blender
- 4) Image Manipulation using GIMP and Photohop
- 5) Journal Cover Art illustration
- 6) Graphical abstract preparation for research papers
- 7) AI tools for scientific illustration
- 8) Science photography, science animations and film making

### Module\_01

- Gain expertise in clear scientific visual story telling, incorporating principles of graphic design for impactful communication
- Acquire skills in crafting scientifically precise and visually compelling figures and illustrations for physics research papers, ensuring your research visuals meet professional standards

### Module\_02

- Learn how to make cover art illustrations to highlight your research on the cover page of international research journals
- Master the art of crafting concise and visually compelling graphical abstracts that effectively communicate the core concepts of your research
- Making animations, videos and films for research communication

## Tools students will learn

- Adobe Illustrator
  - Blender
  - GIMP
  - Inkscape
  - Canva
  - Photoshop
  - Google gemini, Recraft, Ideogram
- We use industry standard advanced tools to make sure you have the best possible learning experience from this course.
  - Successful submission of course projects is mandatory to receive the course completion certificate

## Course Instructors



**Rafeeqe Mavoor**  
Scientific Illustrator  
Founder, Scidart  
Academy  
BSMS, IISER TVM



**Dr. Ipsa Jain**  
Science Visualizer  
Faculty, Srishti  
Manipal Institute of  
Art, Design and  
Technology



**Irfan Muhammed**  
Film Maker, Visual  
Communicator  
BSMS, IISER Mohali



**Favaz Ahamed**  
Photography  
Expert, University for the  
Creative Arts, UK  
BSMS, IISER Pune



**Dr. Mayank Shreshtha**  
Science writer and  
Illustrator,  
University of  
Cambridge, IISER  
Kolkata



**Arunima Vadlamannati**  
Science Illustrator, RRI  
Bangalore  
BSMS, IISER Kolkata

For any enquiries,  
contact:  
Rafeeqe Mavoor,  
Founder, Scidart Academy  
9447267129,  
rafeeqemavoor@gmail.com



**PROPOSAL FOR VALUE ADDED COURSE**

**DEPARTMENT OF STUDIES IN ENGLISH**

**COURSE CODE: ENG24VA01**

**ENGLISH FOR PROFESSIONAL ENHANCEMENT**

**(2 Credits)**

<b>Name of the Department</b>	Department of Studies in English
<b>Course Name</b>	English for Professional Enhancement
<b>Course Code</b>	ENG24VA01
<b>Credits</b>	2
<b>Duration</b>	30 hours
<b>About the Course</b>	The global dimension of education mandates the need for promoting language skills and enhancing competencies for employability and professional success in both government sectors and corporate organizations. This course is designed to equip learners with essential communication and interpersonal skills. It focuses on the effective use of English for presentations, discussions, and competitive tests, enabling students to confidently navigate professional and academic settings.
<b>Course Objectives</b>	<ol style="list-style-type: none"><li>1. Provide the students with an overview of communicative skills.</li><li>2. Help the students use English language without errors.</li><li>3. Impart tools to master language skills.</li><li>4. Equip them for presentations, discussions, and debates.</li></ol>
<b>Course Outcomes</b>	At the end of the course, the learners will be able to: <ol style="list-style-type: none"><li>1. Make proper use of different components of grammar.</li><li>2. Identify and use grammatically correct sentences.</li><li>3. Develop competence in speaking skills.</li><li>4. Plan and structure presentations, debates, and group discussions effectively.</li></ol>

<b>Course Content</b>	<b>Syllabus Attached</b>
<b>Tentative List of Resource Persons</b>	<ol style="list-style-type: none"><li>1. Mr. Manoharan, Formerly Director (Retd.), LotufTrain Language Institute, Dubai, UAE</li><li>2. Dr. P K Babu, Associate Professor (Retd.), Former Head, Dept. of English, KAHM Unity Women's College, Manjaeri</li><li>3. Dr. Sajan N, Associate Professor (Retd.), SN College, Kannur</li><li>4. Mr. Sreerag P K, Assistant Professor on Contract, Dept. of English, PRNSS College, Matatnnur, Kannur</li></ol>

## VALUE ADDED COURSE SYLLABUS

Course Code: ENG24VA01

### ENGLISH FOR PROFESSIONAL ENHANCEMENT

(2 Credits)

#### Course Description

---

*The global dimension of education mandates the need for promotion of language skills and the competency in languages for employability and professional enhancement in both government sectors and corporate organizations. This course is designed to enable the learners to acquire basic knowledge and skill required for the development of communication and interpersonal skills. The course further imparts them the skills necessary to use English effectively in such tests.*

---

#### Course Objectives

1. Provide the students with an overview of communicative skills.
2. Help the students to use English language without errors.
3. Impart the tools to master language skills.
4. Equip them for presentations, discussions and debates.

#### SEMESTER

#### VALUE ADDED COURSE

Course Code:

### ENGLISH FOR PROFESSIONAL ENHANCEMENT

ENGLISH FOR PROFESSIONAL ENHANCEMENT Credit			Teaching Hours			Assessment		
L/T	P/I	Total	L/T	P/I	Total	CE	ESE	Total
3	0	3	45	0	45	50	0	50

Lecture/Tutorials, P/I=Practical/Internship, CE =Continuous Evaluation, ESE =End Semester Evaluation

## **COURSE OUTCOMES**

**Course Learning Outcomes: At the end of the Course, the Student will be able to -**

C01	make proper use of different components of grammar.
C02	identify and use grammatically correct sentences.
C03	develop competence in speaking skills
C04	equip them for planning and structuring presentations, debates and group discussion

### **Course Contents**

#### **Module 1**

1. Importance of English in Professional Enhancement
2. Noun and Pronoun
3. Verb and Tense
4. Concord

#### **Module 2**

1. Prepositions
2. Articles and Conjunctions
3. Adjective and Adverbs
4. Voice and Reported Speech

#### **Module 3**

1. Planning and structuring mini presentations
2. Situation Given Interpretation
3. Small Talks
4. Extempore

#### **Module 4**

1. Letter Writing, E-mails and Report Writing
2. Preparation of CVs
3. Group Discussion
4. Debates

#### ***Recommended Reading:***

Geoffrey Leech, Jan Svartvik. *A Communicative Grammar in English*. Longman Singapore Publisher, 1975.

Ronald Carter and Michael McCarthy. *Cambridge Grammar of English: A Comprehensive Guide*. Cambridge UP, 2006.

Biber, Stig Johansson, Geoffrey Leech, Susan Conrad, Edward Finegan. *Longman Grammar of Spoken and Written English*. Pearson ESL, 1999.

Gupta, S.M. *Grammar and Composition for Communication*. Hyderabad: Orient Black Swan, 2009.

Wess, Edmond H. *Elements of International English Style: A Guide to Writing, Correspondence, Reports, Technical Documents and Internet Pages for a Global Audience*. New Delhi: Prentice Hall, 2010.

Sharpe, Pamela J. *Barron's How to Prepare for the TOEFL*. Barron's Educational Series, Inc., 2004.

Tripathi, Sujithkumar A. *English Learning and Writing Skills*. New Delhi: Crescent Publishing Corp., 2016.

Mohan, Krishnan & Meera Banerji. *Developing Communication Skills*. Macmillan, 2000.

Das, Savyasachi. & Shraddha Das. *Advanced Communication Skills in English*. New Delhi: Pacific Books International, 2013.

## ASSESSMENT RUBRICS

<b>Continuous Evaluation</b> <b>Test paper, Seminar, Viva-voce, Discussion, Presentation, Debate, Assignment</b>	<b>100%</b>

# KANNUR UNIVERSITY



## ITEC ,Palayad

### VALUE ADDED COURSES

#### Minutes:

Minutes of the meeting of the department council held on 13/12/2024 at 11 AM at ITEC Palayad.

#### Agenda:

1. Decision about to conduct the value added course
2. Allocation of coordinator for the value added course.
3. Any other matters

#### Members Present:

1. Saranya A
2. LahanaHari P
3. Sanika C
4. Muhammed Shafi K
5. ManjuPriyanka K

#### Decision:

1. Decided to allocate Ms. Saranya A as Coordinator for the value added course.
2. Decided to distribute the topics to two external experts and faculties of ITEC

Name of the Department	ITEC,Palayad
Course Name	Development of Web application in REACT and Machine Learning applications.
Course Code	ITE24VA01
Duration	30 h
<b>About the course:</b>	<b>1.</b> Web Development Using REACT framework, React is used to build user interfaces out of individual pieces called components. Create your own React components like Thumbnail, LikeButton, and Video. Then combine them into entire screens, pages, and apps. <b>2.</b> Basics of Machine Learning: Creating and implementing Machine learning models.
<b>Course Objectives:</b>	To provide skill in REACT framework and Machine Learning applications.
<b>Course Outcomes:</b>	Basic knowledge in <b>REACT framework</b> .Improvement in Advanced Web development frame work capable handling different coding programs. Basic knowledge in Machine learning.
<b>Course Content</b>	<b>Module 1: Introduction to React</b>  1. <b>Overview of React</b> <ul style="list-style-type: none"><li>o What is React?</li></ul>

	<ul style="list-style-type: none"> <li>○ Why use React?</li> <li>○ Key features of React (Declarative, Component-based, Learn Once, Write Anywhere)</li> <li>○ React's ecosystem and tools (React Router, Redux, etc.)</li> </ul> <ol style="list-style-type: none"> <li>2. <b>Setting Up the Development Environment</b> <ul style="list-style-type: none"> <li>○ Installing Node.js and npm</li> <li>○ Using <code>create-react-app</code> to set up the first React application</li> <li>○ Understanding project structure</li> </ul> </li> <li>3. <b>First React App: "Hello World!"</b> <ul style="list-style-type: none"> <li>○ Creating the first component</li> <li>○ Understanding JSX (JavaScript XML)</li> <li>○ Rendering the component to the DOM with <code>ReactDOM.render</code></li> </ul> </li> <li>4. <b>Basic React Concepts</b> <ul style="list-style-type: none"> <li>○ Functional components</li> <li>○ Props (Properties)</li> <li>○ React Elements vs React Components</li> <li>○ Understanding the virtual DOM</li> </ul> </li> </ol> <p><b>Module 2: Components and Props</b></p> <ol style="list-style-type: none"> <li>1. <b>Components</b> <ul style="list-style-type: none"> <li>○ Class components vs Functional components</li> <li>○ Introduction to hooks (<code>useState</code>, <code>useEffect</code>)</li> <li>○ Creating reusable components</li> </ul> </li> <li>2. <b>Props</b> <ul style="list-style-type: none"> <li>○ Passing data from parent to child components</li> <li>○ Prop types and validation with <code>PropTypes</code></li> <li>○ Default props and destructuring in function components</li> </ul> </li> <li>3. <b>Component Composition</b> <ul style="list-style-type: none"> <li>○ Combining components to build a UI</li> <li>○ The concept of parent-child relationships</li> <li>○ Component Nesting</li> </ul> </li> <li>4. <b>Handling Events</b> <ul style="list-style-type: none"> <li>○ Event handling in React</li> <li>○ Synthetic events vs native events</li> <li>○ Passing arguments to event handlers</li> </ul> </li> </ol>
<p><b>Tentative list of resource persons:</b></p>	<ol style="list-style-type: none"> <li>1. Mr.MuhammedShamal P V, Development Manager,Corvoso technologies pvt ltd</li> <li>2. Mr.Ebin Antony, Assistant professor,Dept of IT</li> <li>3. Sharanya A, ITEC,Palayad</li> <li>4. Sameen SAP , ITEC,Palayad</li> <li>5. Muhammed Shafi K, ITEC,Palayad</li> </ol>