



KANNUR UNIVERSITY
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(Abstract)

Conduct of Value Added Courses (VAC) 2025-'26 in the University Teaching Departments and Centres -Syllabi & Guidelines-Approved -Permission granted-Orders Issued

ACADEMIC D SECTION

ACAD D/ACAD D5/14984/2023

Dated: 07.01.2026

- Read:-1.U.O No .ACAD H/ACAD H3/14984/2023 08.01.2024
 2.Circular No. ACAD D/ACAD D5/14984/2024 dated:06.12.2025
 3.Circular(reminder) No. ACAD D/ACAD D5/14984/2024 dated:27.12.2025
 4.Emails/Letters received from the various Heads of Teaching Depts /Centres forwarding the Syllabus of respective Value Added Courses
 5. Email from Dean, faculty of Education Dtd:10.12.2025
 6. Email from Dean, faculty of Communication Dtd: 11.12.2025
 7. Email from Dean faculty of science dtd:12.12.2025
 8.Email from Dean faculty of Language & Literature Dtd:17.12.2025
 9.Email from Dean faculty of Commerce Dtd:20.12.2025
 10. Email from Dean faculty of Fine Arts Dtd:22.12.2025
 11. Email from Dean faculty of Technology Dtd:22.12.2025
 12. Modified proposals submitted by the Depts of Malayalam, Journalism and Media Studies and Dept. of Molecular Biology
 14. Proposal Submitted by the School of Legal Studies Palayad
 13. Minutes of the meeting of the Committee constituted to scrutinise and finalise the proposals of Skill Development/Value Added/Add On Courses received from various Departments and also to allot the fund for courses, held on 30.12.2025
 13. The Orders of Vice chancellor in the File of even no. dated 07.01.2026

ORDER

1.Vide the papers read (2) and (3) above, Proposals were invited from various Teaching Departments/Centres of the University towards the Conduct of Value Added Courses (VAC) for the year 2025-'26.

2. Accordingly, as per the paper read (4) above, the HoDs/CDs/ADs of various Teaching Departments/Centres of the University submitted the Proposals for the conduct of Value Added Courses for 2025-'26 academic year.

3.Subsequently, all the proposals received were submitted to the Deans concerned for remarks and approval and vide paper read (5) to (11) above, the Deans approved the proposals concerned and also the Dean Faculty of Communication suggested certain modifications for the proposals submitted by the Departments of Malayalam, Journalism and Media Studies and Dept. of Molecular Biology .



4. Vide paper read(12) above Departments of Malayalam, Journalism and Media Studies and Dept. of Molecular Biology submitted their proposals modified according to the suggestions from the Dean, Faculty of Communication.

5. Subsequently, the Committee constituted vide paper read (1) above scrutinized the Proposals and vide paper read (13) above finalized the Proposals submitted by 25 Teaching Departments/Centres of the University including the late proposal submitted by the School of Legal Studies, Palayad.

6.The details of the Proposals of the Value Added Courses (VACs) are mentioned below.

Si.No.	Department	Campus	VAC2025-26	Course Code
1.	Dept. of Music	SAT, Payyannur	Occupational Songs(Work Songs)	MUS25VA01
2.	KUTEC, Dharmmasala	Dharmmasala	Essential Counselling Skills in Psychology : Practice and Applications	TED25VA01
3.	Dept. of Hindi	Nileswaram	हिंदी पत्रकारिता- सिद्धांत और व्यवहार (Hindi Journalism: Theory and Practice)	HIN25VA01
4.	Centre for Management Studies	Mangattuparamba	Business Analytics and Advanced Excel	CMS25VA01
5.	Dept. of Library & Information Science	Thavakkara	Advanced Data Analytics using Excel-Practical	LIS25VA01
6.	Centre For MBA	Nileswaram	Advanced Excel	MBA25VA01
7.	Dept. of Biotechnology & Microbiology	Dr. Janaki Ammal Campus, Palayad	Applied Bioinformatics: Tools and Techniques for Life Science research	BIO25VA01
8.	Dept. of Mathematical Sciences	Mangattuparamba	Introduction to R programming	MAT25VA01
9.	Dept. of Commerce and Business Studies	Nileswaram	e-Filing in Business	CBS25VA01
10.	School of Pedagogical Sciences	Dharmmasala	Statistical Softwares for Educational Research	SPS25VA01
11.	Dept. of Economics	Dr.Janaki Ammal Campus, Palayad	Data Analysis with Spreadsheet	ECO25VA01
12.	School of Chemical sciences	SAT, Payyannur	Contemporary Methods for Characterization of Materials	CHE25VA01
13.	Dept. of Statistical sciences	Mangattuparamba	Data Analysis and Visualization using STATA and Tableau	STA25VA01
14.	KUTEC	Kasaragod	Advanced AI Prompting: Strategies for Effective Communication	TEK25VA01
15.	Dept. of Management Studies	Thavakkara	Certificate Course in Advanced Excel	MGS25VA01
16.	Dept. of Molecular Biology	Dr.Janaki Ammal Campus , Palayad	Interpersonal & Leadership Skill Development	MOB25VA01



17.	Dept. of IT	Mangattuparamba	Hands-on: Smart Systems with IoT	INT25VA01
18.	ITEC	Palayad	AI coding and Development of Application	ITE25VA01
19.	Dept. of Malayalam	Nileswaram	Documentary Film Making	MAL25VA01
20.	Dept of Zoology	Mananthavady	Certificate Course in Ethnobiology & Traditional Knowledge Systems	ZOO25VA01
21.	Dept. of Environmental Studies	Mangattuparamba	Industrial Pollution and Waste Management	EVS25VA01
22.	School of Behavioural Sciences	Mangattuparamba	Academic Writing	SBS25VA01
23.	Dept. of Geography	SAT, Payyannur	Disaster Risk Assessment and Mitigation Strategies for the Western Ghats of Kerala	GEO25VA01
24	Department of Journalism and Media Studies	Mangattuparamba	Applied Public Relations: Strategies and Practices	JMS25VA01
25	School of Legal Studies	Palayad	Fact Checking and Verification	LAW25VA01

7. The Vice Chancellor, after considering the minutes of the meeting of the Value Added Course Scrutiny committee, the proposals, syllabus and course codes (as detailed in Para 6 above) of the Value Added Courses 2025-'26 in detail and in exercise of the powers of the Academic Council conferred under Section 11(1), Chapter III of Kannur University Act 1996 and all other enabling provisions read together with, accorded sanction to proceed with the conduct of Value Added Courses 2025-'26, based on the Deans approval and availability of plan fund, subject to ratification of the same in the Academic Council.

8. The approved Guidelines of the Value Added Courses 2025-'26 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 30 hrs and the details of Faculty who conducts the classes.

vi) The classes shall be conducted during the months of January and February 2026. The bills and vouchers relating to the expenditure incurred in this regard shall be submitted to the University by the concerned HoDs/CDs/ADs on or before 28-02-2026. Any delay in the submission of bills may result in the lapse of Plan fund.

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) Bills and advance receipts submitted shall be in the name of the resource person/s who handled the classes. Bills submitted in the name of any institution shall not be entertained under any circumstances.

xii) While submitting the Bank Account details of resource persons, the HoDs shall ensure the authenticity of such details and to be submitted in a separate page duly attested by the HoD. Also, a soft copy of the Bank Account details need to be submitted in Excel /Word format.

xiii) 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.

9. The Web Manager shall take necessary actions to upload the Syllabi of Value Added Course 2025-'26 offered at University Teaching Depts./Centres on the University Website (www.kannuruniversity.ac.in).

Orders are issued accordingly.

Sd/-

Jisha K P

Assistant Registrar II

For REGISTRAR

To: 1. HoDs/CDs/ADs 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/PID E 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. SF/DF/FC

Forwarded / By Order

SECTION OFFICER



DEPARTMENT OF MUSIC: KANNUR UNIVERSITY
Swami Anandathirtha Campus: Edat P.O., Payyanur-670327

No. KU/DMU/UGC/2025-26

Dated 6th November 2025

To

The Registrar
Kannur University

Ref: 1. Uty Circular No. ACAD D/ACAD D5/14984/2023 Dated 03-11-2025

Subject: Proposal for conducting Value Added course.

Sir,

With reference to Uty Circular No. ACAD D/ACAD D5/14984/2023 Dated 03-11-2025, I am submitting a proposal to conduct value added courses at the Department of Music for kind consideration.

Topic: **Occupational songs** (Work Songs)

1. Department of Music is proposed to conduct a value added course in the topic- **Occupational songs** (Work Songs)

Music is an integral component of daily existence. Its application for several objectives, including entertainment, fostering community, and alleviating stress, is evident in all aspects of life. Musical compositions performed during physical activity, such as sea shanties, harvest songs, and weaving songs, assist in coordinating rhythm and alleviating weariness, making them integral to human endeavours across various occupational domains. This course aims to provide training in reciting songs, which are associated with different occupations. The outcomes of the course are

Ability to:

1. Recite different genres of work songs.
2. Write and tune songs to be used in different occupations as per current societal requirements.
3. Provide training in rendering occupational songs.

The Draft budget for the conduct of the course is as follows:

1. Remuneration to the expert(total 30 hrs X Rs1000 per hour) : Rs 30000/=

TOTAL (Rupees Thirty Thousand Only) : Rs 30000/=

It is requested that the above proposal for the conduct of Value Added Course may kindly be approved. Syllabus of the course is also attached.



Mini N.

(Dr. Mini N.
Professor & HoD

HEAD OF THE DEPARTMENT
DEPT. OF MUSIC, KANNUR UNIVERSITY
SWAMI ANANDA THEERTHA CAMPUS
EDAT P. O., PAYYANUR
KANNUR, KERALA-670 327

KANNUR UNIVERSITY

VALUE ADDED COURSES

Name of the Department	DEPARTMENT OF MUSIC
Course name	Occupational songs (Work songs)
Course Code	
About the course	Music is an integral component of daily existence. Its application for several objectives, including entertainment, fostering community, and alleviating stress, is evident in all aspects of life. Musical compositions performed during physical activity, such as sea shanties, harvest songs, and weaving songs, assist in coordinating rhythm and alleviating weariness, making them integral to human endeavours across various occupational domains. This course aims to provide training in reciting songs, which are associated with different occupations.
Course objectives	To get familiarized and to popularize occupational songs (work songs)
Course outcomes	Ability to: <ol style="list-style-type: none"> 1. Recite different genres of work songs. 2. Write and tune songs to be used in different occupations as per current societal requirements. 3. Provide training in rendering occupational songs.
Course content	Module 1 Traditional occupational songs. Module 2 Modern occupational songs. Module 3 Brief history of occupational songs.
Tentative list of resource persons	Gangadevi P V Revathi K Raj Nimisha Binni P K Dr Jathin V V Savitha M Anjitha T V

SYLLABUS – Value added course (MUSIC)

(COURSE CODE)- Occupational Songs (Work songs)

30 Hours

No. of CREDITS: 2

Course objectives:

This course aims at familiarising the present generation with **Occupational songs** (Work Songs) and thus their preservation and propagation.

Course Learning Outcomes:

1. Ability to develop aptitude for music.
2. Ability to recite **Occupational songs**.
3. Become trainers of **Occupational songs**.
4. Write and set to tune **Occupational songs**.

Module-1

Traditional Occupational Songs (3 Nos)

Module-2

Modern Occupational Songs (3 Nos)

Module-3

Brief history of Occupational songs.

Reference:

1. HISTORY OF INDIAN MUSIC, Prof. P. SAMBAMOORTHY, B.A.,B.L., MUSICOLOGIST, THE INDIAN PUBLISHING HOUSE, New 23A, Sripuram First Street, Royapettah, Chennai-600 014. [2005]
2. DAKSHINENDIAN SANGEETHAM [Malayalam] , Part -I & Part -II, By A . K . Ravindranath, Published by The State Institute of Languages, Kerala, Thiruvananthapuram – 3 [2009]
3. MUSIC THROUGH THE AGES, Premlatha V., Sundeep Prakashan, Delhi [1985]
4. HISTORY OF SOUTH INDIAN MUSIC, Rangaramanuja Ayyangar, Self Published, Madras [1972]
5. AN ANTHOLOGY ON ASPECTS OF INDIAN CULTURE, Dr. V. Raghavan, Dr. V. Raghavan Centre for Performing Arts, 2002
6. SANGEETA NIGHANDU, V T Sunil, DC Books, 2012
7. HINDU SPEAKS ON MUSIC, Kasturi & Sons Ltd
8. Irayimman Thambi- Malayalam Literary Heroes, (Malayalam), Exotica India Art.
9. KELI (different volumes), Kerala Sangeetha Nataka Akademi

10. NADAN PATTUKAL MALAYALATHIL by Dr. M.V. VISHNU NAMBUTHIRI, KERALA BHASHA INSTITUTE, 2016 FOLKLORE ACADEMY
11. THE FOLK SONGS OF SOUTHERN INDIA, Charles E. Gover, Kessinger Publishing, 2010
12. ONE HUNDRED RURAL SONGS OF INDIA. K.P. Bahadur, Motilal Banarsidass, 1978
13. Lakshadweepile Nadanpattukal, Dr. M. Mullakoya, Mathrubhoomi Books

Minutes of the Dept. Council held on 6/11/25

Members present.

1. Dr. Mini. N
2. Graingadevi. P.V.
3. Revathi K. Raj.
4. Dr. Jathin. V.V.

Mini
Grainadevi
Revathi
Jathin

The following matters were discussed and decided in the meeting.

1. Decided to conduct Value added Course in Music
2. Syllabus of the VAC has been approved by the Dept. Council.
3. Topic : Occupational Songs (work songs)
4. Course Coordinator : Dr. Jathin. V.V.



Mini
6/11/25

HEAD OF THE DEPARTMENT
DEPT. OF MUSIC, KANNUR UNIVERSITY
SWAMI ANANDA THEERTHA CAMPUS
EDAT P.O. PAYYANUR
KANNUR, KERALA-670 327

ANJITHA T V

Email: anjithaakhil2816@gmail.com
Mobile No. 9717816865
Nationality: **Indian** Religion: **Hindu**
Languages known: **English Hindi Malayalam**



CAREER OBJECTIVE

To achieve high career growth through a continuous learning process and to keep myself dynamic, visionary and competitive with the changing scenario of the world. Ambition is to eventually have broad-based academic career including teaching, research and management responsibilities.

EDUCATIONAL QUALIFICATION

Doctor in philosophy Kannur University	<i>Pursuing</i>
Masters of Arts in Carnatic music (74%) Indraprastha College for Women, University of Delhi	2018
Bachelor of Arts in Music (83%) Govt College Chittur, University of Calicut	2016

SKILLS

- M. A CARNATIC MUSIC FIRST RANK HOLDER
- AT THE NATIONAL SEMINAR HELD BY AVINASHILINGAM UNIVERSITY, I DELIVERED A PAPER TITLED " THE LIFE AND CONTRIBUTION OF M P THOLAPPY BHAGAVATHAR TO CARNATIC MUSIC ".
- K.TET CATEGORY IV CERTIFICATE HOLDER
- WON PRIZE IN CALICUT UNIVERSITY INTER ZONE ARTS FEST FOR THE EVENT GROUP DANCE
- 15+ YEARS EXPERIENCE IN THE FIELD OF MUSIC AS A TEACHER, PERFORMER AND JUDGE.

EXPERIENCE

- Teaching staff, Kerala Educational senior secondary school, Mayurvihar Vihar phase III, New Delhi (July 2018 - September 2019)

DECLARATION

I hereby declare that, all the statement given above is truth to the best of my knowledge.

Anjitha T V



Dr.JATHIN V V, is a distinguished Carnatic musician and academician with a strong foundation in music and research. She holds a BA, MA and M.Phil. in Music from the University of Kerala, and earned her Ph.D. from Kannur University under the guidance of Dr. Mini. N, focusing on ‘The role of media in the development of Carnatic Music’. Dr. Jathin has qualified competitive examinations such as the SET, UGC NET with JRF in Carnatic Music. She is a B grade artist of All India Radio (AIR) in Devotional Music. Her musical journey began at the age of five with training in dance, and she later pursued the Veena under the tutelage of Smt. K M Bharathi. A versatile performer and scholar, she has won numerous accolades at school and college youth festivals, presented papers at national seminars and published research articles in reputed journals. She has worked as Guest Lecturer (contract), Assistant Professor (contract), Assistant Professor (Hourly), Assistant Professor (Tenure) at Department of Music, SAT Campus, Edat, Payyannur, Kannur University. Dr. Jathin V V is currently serving as an Assistant Professor at the same Department.

Mobile : 9562042439

Email : jathinezhome@gmail.com

Address : Sreelakam, M M Bazar P O, Mathamangalam, Kannur - 670306.



NIMISHA BINNI PK, an aspirant musician completed BA Carnatic Music (vocal) from Kannur University, MA Carnatic Music (vocal) from Calicut University, Chembai Memorial Govt. College, Palakkad with 4th rank. She qualified K-TET, UGC NET with JRF in Carnatic Music. Started her musical journey from the age of 7. Currently studying under Mrs. Vidya Unnikrishnan, Lecture in Vocal at SRV College, Thrissur. At present working as an Assistant Professor at the Department of Music, SAT Campus, Edat, Payyannur, Kannur University.

Mobile : 6282325007

Email : nimishaminnupk@gmail.com

Address: Puthukollkkuni, Thiruvangoor PO, Chemenchery, Kozhikode –673304.



REVATHI K RAJ is a passionate musician and educator who has completed her BA in English Literature from University of Calicut, MA English Literature from Mahatma Gandhi University, MA Carnatic Music (vocal) securing Second Rank from University of Calicut and also cleared the K-TET, NET examinations in Carnatic Music. Trained in music for the past 20 years and currently under the guidance of Cherthala Renganatha Sharma and Mohana Sharma. Currently working as an Assistant Professor at Department of Music, SAT Campus, Edat, Payyannur, Kannur University.

Mobile : 8281979073

Email : revathikrajendran98@gmail.com

Address : Keezhedathu Illom, Panamana Road, Cheruthuruthy P.O, Thrissur – 679531.



SAVITHA M

DOB : 09 - 05 - 1982

Nationality : Indian

Religion : Hindu

Marital status: Married

Contact

Phone 

+91 8086360310

Email 

savirag82@gmail.com

Languages Known

English

Hindi

Malayalam

Kannada

Career Objectives

To achieve high career growth through a continuous learning process and to keep myself dynamic, visionary and competitive with the changing scenario of the world. Ambition is to eventually have broad-based academic career including teaching, research and management responsibilities.

Educational Qualifications

Pursuing

● PhD Scholar @ Department of Music,

Kannur University, Kerala

2015 - 2017

● Master of Arts in Carnatic Music (Second Rank)

Kannur University, Kerala

2011 - 2014

● Bachelor of Arts Degree in Carnatic Music (Vocal)

IKSVV , Khairagarh University, Chhattisgarh

Skills and Achievements

- Worked as Teaching - Assistant (contract-base) and Assistant Professor on Daily wage at Kannur University Music Dept., Kerala
- 20+ years experience in the field of music as a Teacher, Classical dance vocal support, Performer, Judge
- K. TET Category IV Certificate holder
- SET (Music) Certificate holder
- Rashtrabhasha Visharad Poorvardh Certificate holder
- Computer DCA and DTP Certificate holder
- Vocalist, Carnatic concert performer and Yoga

Declaration: I hereby declare that, all the statement given above is truth to the best of my knowledge.



GANGADEVI P V, an ardent Carnatic Musician,

who holds B.Sc. in Biotechnology from University of Calicut and a Diploma in Music from Indira Kala Sangit Vishwavidyalaya, Khairagarh University. She also completed her MA in Music from University of Calicut securing second rank. She has qualified various competitive examinations like K-TET, SET, and NET with JRF in Carnatic Music. With over 15 years of rigorous training in music, Gangadevi is currently under the tutelage of the renowned musician Dr. N J Nandini. At present, she serves as an Assistant Professor at the Department of Music, SAT Campus, Edat, Payyannur, Kannur University, where she continues to contribute to the field of music through teaching and research.

Phone Number: 9995278491

Emai Id: ii.gangadevi.ii@gmail.com

Address : Poovanthra (H), Peruvallur (P.O), Thrissur (Dist), Pin:680508

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KANNUR UNIVERSITY



Accredited By NAAC with B⁺⁺ Grade

ടീച്ചർ എഡ്യൂക്കേഷൻ സെന്റർ

TEACHER EDUCATION CENTRE

കണ്ണൂർ സർവ്വകലാശാല ക്യാമ്പസ് പി.ഒ., ധർമ്മശാല -670 567

Kannur University Campus P.O., Dharmasala-670567

Ph: 04972 784715

email: cddtedsla@kannuruniv.ac.in

KUTEC/DSLAVAC/2024

10.11.2025

From

Course Director

Kannur University Teacher Education Centre, Dharmasala

To

The Registrar

Kannur University

Sir,

Sub: KUTEC Dharmasala – submission of proposal , department council minutes and syllabus of Value Added Course - forwarding-reg.

Ref: ACAD D/ACAD D5/14984/2023 dated 03.11.2025

With references to the above, I am forwarding herewith the proposal , department council minutes and syllabus of Value Added Course for further necessary action.

Enclosures:-

1. Proposal and syllabus
2. Department Council Minutes

Yours Faithfully

Course Director

COURSE DIRECTOR (B.Ed)
TEACHER EDUCATION CENTRE
UNIVERSITY CAMPUS, DHARMASALA
KANNUR- 670567



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KANNUR UNIVERSITY



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TEACHER EDUCATION CENTRE

കണ്ണൂർ സർവ്വകലാശാല ക്യാമ്പസ് പി.ഒ., ധർമ്മശാല -670 567

Kannur University Campus P.O., Dharmasala-670567

Ph: 04972 784715

email: cddtedsla@kannuruniv.ac.in

KUTEC/DSLAVAC/2024

10.11.2025

From

Course Director

Kannur University Teacher Education Centre, Dharmasala

To

The Registrar

Kannur University

Sir,

Sub: KUTEC Dharmasala – submission of proposal , department council minutes and syllabus of Value Added Course - forwarding-reg.

Ref: ACAD D/ACAD D5/14984/2023 dated 03.11.2025

With references to the above, I am forwarding herewith the proposal , department council minutes and syllabus of Value Added Course for further necessary action.

Enclosures:-

1. Proposal and syllabus
2. Department Council Minutes

Yours Faithfully



Course Director

COURSE DIRECTOR (B.Ed)
TEACHER EDUCATION CENTRE
UNIVERSITY CAMPUS, DHARMASALA
KANNUR- 670567

Prasida
Prasida

KANNUR UNIVERSITY TEACHER EDUCATION CENTRE DHARMASALA

**VALUE ADDED COURSE: ESSENTIAL COUNSELLING SKILLS IN
PSYCHOLOGY: PRACTICE AND APPLICATIONS**

Name of the Department	KANNUR UNIVERSITY TEACHER EDUCATION CENTRE DHARMASLA
Course Name	ESSENTIAL COUNSELLING SKILLS IN PSYCHOLOGY: PRACTICE AND APPLICATIONS
Course Code	
Duration	30 hours
About the Course	Value Added Course “Essential Counselling Skills in Psychology: Practice and Applications” for the prospective teachers. Teacher educational institutions aims to inculcate Counselling Skills necessary for the professional competency of teacher training students to enrich the wellbeing of students and the society. The course provides an opportunity for the B-Ed, graduates to strengthen their capacities to meet the challenges of future.
Course Objectives	<ul style="list-style-type: none">➤ Student will identify ethically appropriate counselling skills in relation to foundational philosophical counselling beliefs in various counselling settings.➤ Students will recognize their personal role in developing therapeutic relationships and utilize techniques and skills to develop these specific relationships.➤ Student will adapt skills and strategies learned for application in a multicultural society and with a diverse client population.➤ Students will apply written and verbal feedback effectively to shape counselling development and the implementation of counselling skills.
Course Outcomes	On successful completion of the course, the students will be able to <ul style="list-style-type: none">➤ Understand the nature and scope of counselling➤ Develops practical ability to conduct interviews and building rapport with client.➤ Recognise the professional ethics of counsellors➤ Understands core counselling skills➤ Analyse counselling process and techniques➤ Judges the practical applications and self-awareness

Course Content	Module 1: Introduction to Counselling and Ethics Module 2: Core Counselling Skills (Micro-skills) Module 3: The Counselling Process and Techniques Module 4: Practical Application and Self-Awareness
Tentative list of resource persons	Faculties from School of Behavioural Sciences (Kannur University) 1. Dr. Johnson Alex Associate Professor & Head School of Behavioural Sciences Kannur University 2. Dr Veena Nambiar Assistant Professor School of Behavioural Sciences Kannur University 3. Dr Seemanth Chandran Assistant Professor School of Behavioural Sciences Kannur University 4. Dr Bhagyalakshmi KC Assistant Professor School of Behavioural Sciences Kannur University
Mode of Conduct	Hybrid mode

Syllabus

Module 1: Introduction to Counselling and Ethics

- **Nature and Scope:** Definition of counselling, its goals, and how it differs from other forms of helping, Professional approaches to counselling
- **Professional Ethics:** Confidentiality, professional boundaries, dual relationships, and the counsellor's legal responsibilities.
- **The Therapeutic Relationship:** The importance of rapport building, trust, and the core conditions of empathy, unconditional positive regard, and genuineness (congruence).
- **Diversity and Culture:** Understanding how cultural diversity interacts with client and counsellor worldviews, Multicultural counselling.

Module 2: Core Counselling Skills (Micro-skills)

- **Attending Behaviour:** Verbal and non-verbal communication, including appropriate eye contact, body posture (e.g., the SOLER method), and vocal tone.
- **Active Listening:** Fully engaging with and understanding the client without judgment, Understanding the internal frame of reference
- **Questioning Techniques:** Using open-ended questions to gather information and encourage self-exploration, and avoiding closed or "either-or" questions.
- **Reflecting and Paraphrasing:** Mirroring back the client's feelings and content to ensure understanding and validate their experience.
- **Summarising:** Concisely restating the main points at various stages of the session to track progress, Confronting & interpreting skills
- **Use of Silence:** Giving clients space to think and explore their thoughts and feelings.
- **Focusing:** Guiding the conversation to key issues and dynamics . Leading & Clarifying .

Module 3: The Counselling Process and Techniques

- **Structuring Sessions:** The flow of a session, including opening, information gathering/assessment, working phase (insight and strategy development), and termination/closure.
- **Assessment and Case History:** Techniques for collecting background data and identifying the problem.
- **Problem-Solving:** Helping clients generate options and learn effective problem-solving methods rather than providing direct advice.
- **Introduction to Approaches:** Brief overview of key theoretical perspectives such as Person-Centred Therapy, CBT, and Psychodynamic approaches ,Acceptance and Commitment Therapy and EFT
- **Crisis Intervention:** Basic techniques for providing short-term assistance during a crisis (e.g., grief, bereavement, trauma).

Module 4: Practical Application and Self-Awareness

- **Experiential Learning:** Role-playing exercises with peers and/or instructors in a safe environment and Mindfulness-based practices
- **Feedback and Supervision:** Giving and receiving professional feedback using skills observation forms.
- **Reflection:** Journaling and self-evaluation to understand personal biases, strengths, and areas for growth , Self & emotional management
- **Caring for the Counsellor:** Recognizing the importance of self-care and support systems Managing professional burn-out.

Task and Assignment



P. Anand
PR AS IDH
COURSE DIRECTOR (B.Ed)
TEACHER EDUCATION CENTRE
UNIVERSITY CAMPUS, DHARMASALA
KANNUR-670567

There is staff meeting at 10.30 am All staff members must be present on time

Agenda

- 1) Appointment of new IBAC Coordinator
- 2) Value Added Course

Decisions

1. Decided to appoint ~~man~~ Dr. Arun.K as the new co-ordinator of IBAC.
2. Decided to conduct Value added course for the IInd yr students of 24-26th Batch on the topic "Essential Counselling Skills in Psychology of Learning: Practice and Application"

Members Present.

1. Dr. Prasida *Prof*
2. Nusrath .T.T. *Ohm*
3. Suwita.K *Sult*
4. Dr. Noufal .P *Amal*
5. Dr. Muhammedali .P.I *Prasida*
6. Dr. Sahala .P.M *Prasida*
7. Dr. Vineetha Prakash *Prasida*
8. Dr. Athina .K.V *Prasida*
9. Dr. Arun.K *Prasida*
10. Soojay .P *Prasida*



Prasida
PRASIDA
COURSE DIRECTOR (B.Ed)
TEACHER EDUCATION CENTRE
CHAMRASALA

3

VAC Proposal 2025-26: Department of Hindi

Name of the Department	Department of Hindi, Dr. P. K. Rajan Memorial Campus, Nileshtar.
Course Name	हिंदी पत्रकारिता – सिद्धांत और व्यवहार (Hindi Journalism: Theory and Practice) (Hybrid mode)
About the Course	This course introduces students to the theoretical foundations and practical aspects of Hindi journalism. It helps learners understand the principles of reporting, editing, and feature writing while developing professional communication skills required in print and digital media. Students will be trained in writing, editing, and presenting news content in accurate, ethical, and creative ways suitable for modern journalism.
Course Objectives	<ol style="list-style-type: none">1. To provide a theoretical understanding of the history, development, and principles of Hindi journalism.2. To train students in news writing, editing, interviewing, and feature writing techniques.3. To familiarize students with the structure and functioning of print and digital media organizations.4. To enable learners to use modern journalistic tools and language skills effectively.5. To promote ethical awareness and responsibility in media communication.
Learning Outcomes	After completing this course, students will be able to: <ol style="list-style-type: none">1. Explain the evolution and nature of Hindi journalism and its socio-political significance.2. Write news reports, interviews, and feature articles in clear and professional Hindi.3. Edit and proofread news content using proper linguistic and journalistic standards.4. Apply journalistic ethics, accuracy, and responsibility in reporting.5. Prepare content for both print and digital platforms using practical media tools.
Course Content	Module 1 – Introduction to Journalism scope of journalism- Growth and development of Hindi journalism Prominent Hindi newspapers and their contributions –Principles and Ethics of Journalism - Editing principles, language, and style

	<p>Role of media in shaping public opinion</p> <p>Fundamentals of News Reporting</p> <p>Module 2 – Practice of Hindi Journalism -News Writing and Editing Skills</p> <p>Headline writing, leads, and inverted pyramid structure</p> <p>Principles of news editing</p> <p>Proof reading and newspaper layout</p> <p>Types of reporting-Techniques of feature writing- Editorials, columns, and reviews</p> <p>Language and style of magazines and online news portals- Digital and Online Journalism</p> <p>Concept and significance of web journalism</p> <p>Social media and citizen journalism-Blogging, podcasting</p> <p>Practical training in e-newspaper production</p>
--	---

Tentative list of Resource Persons	<ol style="list-style-type: none">1. Prof. (Dr.) Mohan, Senior Professor & Head (Rtd.), Department of Hindi, Delhi University.2. Prof. (Dr.) Muraleedharan Pillai, Reader & Head (Rtd.), Department of Hindi, Government Brennen College, Thalassery.3. Prof. (Dr.) K Vanaja, Department of Hindi, CUSAT4. Prof. (Dr.) Manu, Professor & Head, Department of Hindi, Central University of Kerala.5. Faculty, Department of Hindi, Kannur University


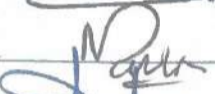

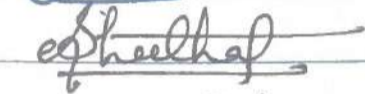
Sd/-

Head, Department of Hindi

Department of Hindi, Kannur University, Council meeting
held on 12/11/2025

Agenda :- Value added courses - Certificate course
in Hindi Journalism: Theory & Practice

Members Present

Dr. Preethi.K 
Dr. Mawkanalace 
Dr. Jesna Rehman 
Dr. Sheetal A 

Decisions :-

Department council approved the syllabus of value added course on Hindi Journalism: Theory & Practice and decided to submit the proposal to the University.

Tentative list of resource persons are :-

1. Prof. (Dr.) K. Vanaaja, Department of Hindi, CUSAT
2. Prof. (Dr.) Mohan, Department of Hindi, University of Delhi
3. Prof. (Dr.) Muraleedharan Pillai, Department of Hindi,
Govt. Brennan College, Thalassery.
4. Prof. (Dr.) Manu, Department of Hindi, Central University
of Kerala, Kasaragode.
5. Faculty, Department of Hindi, Kannur University.

Decided to conduct classes through hybrid mode if
university gives permission.



ACADEMIC STAFF COUNCIL

SUBJECT : CONDUCT OF VALUE ADDED COURSES

DATE : 05-11-2025

TIME : 1 P.M.

VENUE : CENTRE FOR MANAGEMENT STUDIES, MANGATTUPARAMBA

LIST OF PARTICIPANTS

1. NITHIN.T

~~Nithin~~
11/11/25

2. Neenu NP

dpu.

3. Dipin. K. V

~~DPV~~

RESOLUTIONS 1

> Resolved to conduct Value Added course, about the topic of Advanced Excel and Business Analytics

> Resolved to engage Mr. Arun Kumar (Trainer in Business Analytics and Advanced Excel) as a Trainer

4



KANNUR UNIVERSITY

VALUE ADDED COURSE

Name of the Department	Centre For Management Studies
Course Name	Business Analytics and Advance Excel
Course code	
Duration	30 hours
About the course	This value-added course on business analytics and advance excel foster the students in data driven decision making which adds to the quality of the students in their future.
Course Objectives	To empower students to confidently perform complex business analytics task and make impactful business decisions.
Course Outcomes	Equip the students in hands on experience in anyalsing the organizational data. Helps the students to prepare and analyses any type of organizational report of all business functions.
Course Content	Module 1: Business Analytics with Microsoft excel Module 2: Data Analysis through Google sheets Module 3: Interview preparation
Tentative list of resource persons:	Mr Arun Kumar – Expert Trainer, Founder: Breakthrough Learning, GRO Analytics.


Assistant Director (V/c)





Part 1: Business Analytics with Microsoft Excel

Knowing Data | Business data types | Formatting data | Data cleaning methods | Dealing with text functions | Dealing with dates | Applying formulas and learning how functions work | Dynamic formulas | Difference with functions and formulas with examples | Cell References | Absolute references with applications | Cumulative numbers in various departments | Sorting of business data | Filtering and sub grouping of data | Logical formulas | If conditions | Sumif operations in business data | Countif operations in business data | Nested if applications | Ranking and relative referencing | Report structures | Adding additional remarks in reporting | Page set up and lay outs | Print set up | Excel tables | Visualization with the help of graphs | Formatting graphs and charts | PMT Function | What if Analysis | Conditional formatting | Working with duplicate values | Data validation techniques | Vlookup with HR, Finance and Marketing data | Hlookup with HR, Finance and Marketing data | Data summarization | Pivot Tables and summarising data for reporting | Building interactive dashboards of various departments





Part 2: Google Sheets for Data Analysis


Part 3: Interview Preparation Includes:

-  Resume building & optimization
-  Common & Domain specific interview questions
-  LinkedIn job search training
-  Body language & communication skills
-  Salary negotiation strategies
-  Industry-specific interview insights


Assured outcomes of the program

- Get hands on experience to work with organizational data.
- To be able to prepare and analyse any type of organizational report of all business functions as HR, Sales, Operations, Accounts & Finance, and Inventory.

-  Sales reports
-  Stock status reports
-  Inventory discrepancy report
-  HR reports

 Petty cash reports

 Cash collection reports

 Credit maturity reports and collection status report

- To expertise the art of business presentation using structured data.
- Understand how to crack the (Excel)practical round interview assessments of companies.

Breakthrough Learning

MiZone Cyber Park,

University Campus PO – Kannur

Contact: 7907 44 5621

Trainer's Profile: Mr. Arun Kumar

Expert trainer in Business Analytics and Advanced Excel.

8+ Years of Teaching Experience with different MBA Programs

Ad hoc faculty member at CUSAT MBA program

Seasoned corporate trainer

Founder: Breakthrough Learning, GRO Analytics

Academic Director: Thrivex Business School

Ex. Operations manager at PepsiCo

Ex. Inventory specialist at Lifestyle retail.

Trained over 4800+ students already!!



KANNUR UNIVERSITY
DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

Dr. Vysakh C
Head of the Department

Thavakkara Campus
Kannur 670002
Ph: 04972709075
Mob: 9744050979

DLIS/VAC/2025

11.11.2025

To

The Registrar,
Kannur University.

Sir,

Sub: Submitting proposal for Value Added Course 2025-26

Ref: ACAD D/ACAD D5/14984/2023 dated 03.11.2025

As per the reference cited above, I am herewith forwarding the proposal of valued added course to be conducted for the academic year 2025-26. Kindly permit to conduct the value added course "**Advanced Data Analytics using Excel-Practical**". Permission may be granted to invite Ms. Fathimathul Nithasha Beegum I, Assistant Professor and Head, Dept. of Statistics, Sir Syed College and Dr.Praveen V P, Assistant Professor Dept. of Computer Science, Christ University Banglore as resource persons for the proposed Value added course.

Thanking you,

Yours faithfully


Head of the Department

Dr. Vysakh.C
Assistant Professor & Head
Dept. of Library & Information Science
Kannur University
Thavakkara Campus, Kannur - 670002





KANNUR UNIVERSITY

VALUE-ADDED COURSES

SYLLABUS-Advanced Data Analytics Using Excel-Practical

Module 1: Introduction to Advanced Data Analytics (6 hrs)

- Overview of data analytics and decision-making
- Role of Excel in advanced analytics
- Understanding datasets, data types, and structures
- Review of essential Excel skills (formulas, formatting, data handling)

Module 2: Advanced Excel Functions and Formulas (8 hrs)

- Logical and conditional functions (IF, IFS, AND, OR, IFERROR)
- Lookup and reference functions (INDEX, MATCH, XLOOKUP, OFFSET)
- Array and dynamic array functions (FILTER, SORT, UNIQUE, SEQUENCE)
- Text, date, and time manipulation functions

Module 3: Statistical and Analytical Tools in Excel (8 hrs)

- Descriptive statistics: mean, median, mode, variance, standard deviation
- Correlation and regression analysis
- Hypothesis testing and ANOVA
- Forecasting and trend analysis using Excel's Data Analysis Toolpak

Module 4: Data Visualisation and Dashboard Design (6 hrs)

- Best practices for data visualisation
- Advanced chart types (Combo charts, Sparklines, Histogram, Waterfall)
- Using slicers, timelines, and form controls for interactivity
- Building dynamic dashboards using Power View and Power BI integration


Dr. Vysakh.C
Assistant Professor & Head
Dept. of Library & Information Science
Kannur University
Thavakkara Campus, Kannur - 670002



KANNUR UNIVERSITY

VALUE-ADDED COURSES

Name of the department	Dept. of Library and Information Science
Course name	Advanced Data Analytics Using Excel-Practical
Course code	
Duration	30 hrs
About the course	<p>The Advanced Data Analytics Using Excel course is designed for learners who already have a basic understanding of Microsoft Excel and wish to enhance their analytical and data interpretation skills. This course explores Excel's advanced features for performing complex data analysis, building predictive models, and creating interactive dashboards.</p> <p>Through hands-on exercises and real-world case studies, participants will learn to apply advanced Excel tools to analyze large datasets, identify trends, make informed decisions, and effectively communicate insights through data visualization.</p>
Course objectives	<ul style="list-style-type: none">• Apply advanced Excel functions for data analysis and modelling.• Perform data cleaning, transformation, and statistical analysis efficiently.• Use PivotTables, Power Query, and Power Pivot for managing large datasets.• Develop interactive dashboards and visual reports.

	<ul style="list-style-type: none"> • Implement forecasting and scenario analysis for decision-making.
Course outcomes	<ul style="list-style-type: none"> • Apply advanced Excel functions to perform complex data analysis, including statistical, logical, and lookup operations. • Clean, transform, and manage large datasets. • Conduct statistical and predictive analysis such as regression, correlation, and forecasting using Excel's analytical features. • Design and develop interactive dashboards and visual reports to communicate analytical insights effectively.
Course content	<ul style="list-style-type: none"> • Introduction to Advanced Data Analytics • Advanced Excel Functions and Formulas • Statistical and Analytical Tools in Excel • Data Visualisation and Dashboard Design <p>(Detailed syllabus is attached)</p>
Tentative list of resource persons	<p>1) Dr.Praveen VP Assistant Professor Dept. of Computer Science Christ University, Bangalore 9605185592</p> <p>2) Ms Fathimathul Nithasha Beegam I. Assistant Professor & Head Dept. of Statistics Sir Syed College, Kannur 8606139463 nithasha@sirsyedcollege.ac.in</p>

Schinyath

Dr. Vysakh.C
Assistant Professor & Head
Dept. of Library & Information Science
Kannur University
Thavakkara Campus, Kannur - 670002

The Department Council meet held on 04.11.2025
at 3:30 pm

Members present

1. Dr. Vysakh C
2. Dr. Shajitha C
3. Ms. Ramya AV
4. Ms. Arjasree PP

Shajitha
Ar.H.

Agenda

Conducting the Value-added Course for the year
2025-26

Resolution

The council decided to discuss the conduct of Value added course for the year 2025-26. The members unanimously agreed to organise the course on "Advanced Data Analytics Using Excel-practical" to enhance Students analytical and research skills. After discussion, Ms. Ramya AV was selected as the Course Coordinator to plan, coordinate and implement the programme.

The meeting ended at 4pm.



Shajitha
Dr. Vysakh.C
Assistant Professor & Head
Dept. of Library & Information Science
Kannur University
Thavakkara Campus, Kannur - 670002



'NAAC accredited with B++ Grade'
CENTRE FOR MBA
DR.P.K. RAJAN MEMORIAL CAMPUS NILESHWAR
PUTHARIYADUKKAM P.O PIN: 671314, KASARAGOD (dt.) KERALA (State)

Reashna Rathnakaran
Assistant Director

Mobile: 8848015764
Email: admba@kannuruniv.ac.in

Date: 12.11.2025

To
The Registrar,
Kannur University

Respected Sir,

Sub: Proposal for value added course Ref No. ACAD D/ACAD D5/14984/2023

I am hereby forwarding herewith the proposal for starting value added courses at Centre for MBA, Dr. PKRMC, Nileshwar for your perusal.

Yours Faithfully
Sd/-
Assistant Director
Centre For MBA,
Dr P K Rajan Memorial Campus, Nileshwar



VALUE ADDED COURSES

Name of the department	Centre for MBA , Dr.P.K.Rajan Memorial Campus , Nileschwaram
Course Name	ADVANCED EXCEL
Course Code	
About the Course:	Advanced Excel is designed to equip students and professionals with Finance and Operations, Database Administrator Data/Business Analysts, MIS Executive.
Course Objectives:	To enhance the technical and analytical competencies of participants, to meet the current demands of industries across various sectors.
Course Outcomes:	It will enable the participants to gain proficiency in data transformation, modeling, and visualization
Course Content	Module 1: INTRODUCTION TO MS EXCEL Module 2: WORKING WITH FORMULAS/FUNCTIONS Module 3: WHAT-IF ANALYSIS EXPORTING AND IMPORTING REVIEWING A WORKBOOK/WORKSHEET
Tentative list of resource persons	G-TEC COMPUTER EDUCATION KANHANGAD

Sd/-
Assistant Director
Centre For MBA,
Dr P K Rajan Memorial Campus, Nileshtar

DEPT.OF BIOTECHNOLOGY AND MICROBIOLOGY

School of Life Sciences

KANNUR UNIVERSITY

(NAAC Accredited with B++ Grade)

Dr. Janaki Ammal Campus Thalassery, Palayad P.O., Kerala, India Pin: 670 661

Phone: 0490-2347394 e-mail:hodbiotechnology@kannuruniv.ac.in



Letter Malayalam of File DB & M/ASST(DB&M)/159/2025 Approved by Head of the Department on 12-Nov-2025 01:12 PM - Page

നമ്പർ. DB & M/ASST(DB&M)/159/2025

തീയതി: 12.11.2025

പ്രേഷകൻ

വകുപ്പ് മേധാവി

സമീകർത്താവ്

രജിസ്ട്രാർ

കണ്ണൂർ സർവകലാശാല

സർ

വിഷയം:- Value Added Course - 2025 - 26 - സിലബസ്, പ്രൊഫോർമ, ഷെഡ്യൂൾ, Department council Meeting Minutes എന്നിവ ലഭ്യമാക്കുന്നത്.

സൂചന:- 03.11.2025 ലെ അക്കാദമി/ACAD D5/14984/2023 നമ്പർ സർക്കുലർ

.....

മേൽ സൂചനയിലേക്ക് ശ്രദ്ധ ക്ഷണിക്കുന്നു.

ശ്രീ.രമേഷ്.കെ.വി സമർപ്പിച്ച Value Added Course (VAC) : Applied Bioinformatics: Tools and Techniques for Life Science Research ന്റെ സിലബസ്, പ്രൊഫോർമ, ഷെഡ്യൂൾ എന്നിവ 11.11.2025 തീയതി നടന്ന ഡിപ്പാർട്ട്മെന്റ് കൗൺസിൽ പരിശോധിക്കുകയും അത് തുടർ നടപടികൾക്കായി രജിസ്ട്രാർക്ക് ലഭ്യമാക്കുന്നതിനും തീരുമാനമായിട്ടുണ്ട്.

അതിനാൽ നിശ്ചിത മാതൃകയിലുള്ള പ്രൊപോസൽ, സിലബസ്, പ്രൊഫോർമ, ഷെഡ്യൂൾ Department council Meeting Minutes എന്നിവ തുടർ നടപടികൾക്കായി ഇതോടൊപ്പം ലഭ്യമാക്കുന്നു.



വിശ്വസ്തതയുടെ

ഡോ. കെ ശ്രീജിത്ത്

വകുപ്പ് മേധാവി

ഉള്ളടക്കം: മേൽ പറഞ്ഞവ

Dr. K. SREEJITH M.Phil, Ph.D
Professor & Head
Department of Biotechnology & Microbiology
Kannur University, Dr. Janaki Ammal Campus
Palayad - 670661, Kerala



KANNUR UNIVERSITY

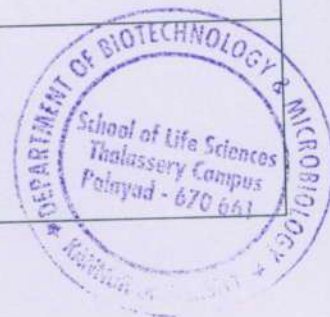


VALUE ADDED COURSES

Name of the Department	Department Of Biotechnology and Microbiology
Course Name	Applied Bioinformatics: Tools and Techniques for Life Science Research
Course Code	(will be given by University)
Duration	30 hours
About the course:	This course provides a comprehensive introduction to bioinformatics and its applications in modern biological research, with a special focus on <i>omics</i> technologies. Students will gain hands-on experience in using key bioinformatics databases and tools for sequence retrieval, alignment, phylogenetic analysis, and protein structure prediction. The course integrates theoretical concepts with practical sessions, enabling learners to analyze genomic and proteomic data, predict gene and protein features, and validate 3D structures using computational approaches. Emphasis is placed on applying bioinformatics tools to solve real-world biological problems and interpret results effectively.
Course Objectives:	The primary objective of this course is to provide students with a strong foundation in the principles and practical applications of bioinformatics and omics sciences. It aims to familiarize learners with major biological databases and computational tools used for the retrieval, analysis, and interpretation of genomic and proteomic data. The course is designed to develop students' understanding of sequence alignment methods, phylogenetic analysis, and protein structure prediction and validation techniques. Through hands-on sessions, students will gain the ability to apply bioinformatics tools for gene and protein analysis, interpret biological data effectively, and integrate computational approaches into biological research.
Course Outcomes:	By the end of this course, students will be able to understand the fundamental concepts and scope of bioinformatics and its applications in genomics, transcriptomics, and proteomics. They will gain proficiency in retrieving and analyzing biological data from major databases and performing sequence alignments using various tools. Students will be capable of constructing and interpreting phylogenetic trees, predicting genes and protein domains, and evaluating protein properties using online tools. They will also acquire practical skills in protein structure prediction, visualization, and validation.
Course Content	Department provides a special syllabus for the value added course on "Applied Bioinformatics: Tools and Techniques for Life Science Research"
Tentative list of resource persons:	1) Mr. Ramesh K V Assistant Professor Department of Bioinformatics BLM College of Applied Sciences Thimiri.

Dr. K. SREEJITH M.Phil, Ph.D
Professor & Head

Department of Biotechnology & Microbiology
Kannur University, Dr. Janaki Ammal Campus
Palayad - 670661, Kerala



DEPARTMENT OF BIOTECHNOLOGY AND MICROBIOLOGY
Dr. JANAKI AMMAL CAMPUS, PALAYAD, KANNUR UNIVERSITY

VALUE ADDED COURSE – COURSE SCHEDULE

Applied Bioinformatics: Tools and Techniques for Life Science Research

<i>Sl No:</i>	<i>Topics</i>	<i>Hours</i>
01	MODULE 1: INTRODUCTION TO BIOINFORMATICS & OMICS	4
02	MODULE 2: DATA RETRIEVAL USING BIOLOGICAL DATABASES	3
03	MODULE 3: SEQUENCE ALIGNMENT AND SIMILARITY SEARCH	5
04	MODULE 4: PHYLOGENETIC ANALYSIS	4
05	MODULE 5: GENE AND PROTEIN ANALYSIS	6
06	MODULE 6: STRUCTURAL BIOINFORMATICS	8



A handwritten signature in blue ink, appearing to be "Sreejith", written over a diagonal line.

Dr. K. SREEJITH M.Phil, Ph.D
Professor & Head
Department of Biotechnology & Microbiology
Kannur University, Dr. Janaki Ammal Campus
Palayad - 670661, Kerala

DEPARTMENT OF BIOTECHNOLOGY AND MICROBIOLOGY
Dr. JANAKI AMMAL CAMPUS, PALAYAD, KANNUR UNIVERSITY

VALUE ADDED COURSE - Syllabus

Applied Bioinformatics: Tools and Techniques for Life Science Research

MODULE 1: INTRODUCTION TO BIOINFORMATICS & OMICS

Overview of Bioinformatics, Scope and applications.
Overview of Genomics, Transcriptomics, Proteomics.
Various file formats in Bioinformatics (GenBank, FASTA, PDB)
Introduction to NCBI, EMBL, DDBJ Databases

MODULE 2: DATA RETRIEVAL USING BIOLOGICAL DATABASES

Primary, secondary and other classification of databases
Sequence retrieval using NCBI, Uniport and PDB.

MODULE 3: SEQUENCE ALIGNMENT AND SIMILARITY SEARCH

Concepts of pairwise and multiple sequence alignment.
FASTA, BLAST, CLUSTALW based algorithms

MODULE 4: PHYLOGENETIC ANALYSIS

Concepts of phylogenetic tree construction.
Neighbor-Joining, Maximum Parsimony, UPGMA Methods.

MODULE 5: GENE AND PROTEIN ANALYSIS

Open Reading Frame and gene prediction tools
Protein property analysis and domain prediction
Tools: ProtParam, ProtScale, ScanProsite, orf finder

MODULE 6: STRUCTURAL BIOINFORMATICS

Primary structure analysis using PROTPARAM
Prediction and analysis of protein secondary structure for unknown sequences
Principles and steps involved in tertiary structure prediction and analysis
Validation of predicted protein structures using online tools.
Structure validation through generation and analysis of Ramachandran Plot using PROCHECK.
Protein visualization and structural annotation using PyMOL

Mini Project: Application of bioinformatics tools for analyzing a biological problem followed by assignment, report submission and exam.



Dr. K. SREEJITH M.Phil, Ph.D
Professor & Head

Department of Biotechnology & Microbiology
Kannur University, Dr. Janaki Ammal Campus
Palayad - 670661, Kerala

Abstract

Minutes of the meeting of the Department Council held on 11.11.2025, Tuesday at 12.30 PM, at the Department of Biotechnology and Microbiology, Kannur University, Janaki Ammal Campus, Palayad.

Members present:

1. Prof. Jayadevi Variyar (Sd)
2. Prof Anu Augustine (Sd)
3. Prof. Anup Kumar K (Sd)
4. Dr Arun B (Sd)
5. Dr Naveen Chandra D (Sd)
6. Ms. Nithina N (Sd)
7. Prof K Sreejith (HoD, DB&M) (Sd)

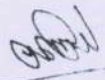
Agenda:

1. Third semester examination
2. VAC Course Proposal submitted by Mr. Ramesh KV
3. PM USHA Research Project
4. Repair of instruments
5. SWF / DDF withdrawal
6. PM USHA Seminar
7. Furniture allotment
8. Leave Applications
9. Other matters, if any

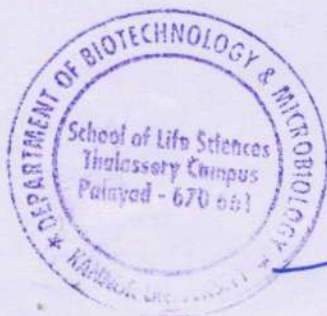
Resolutions and recommendations

- [1]
- [2] The Department Council resolved to recommend the proposal for the Value-Added Course 'Applied Bioinformatics: Tools and Techniques for Life Science Research' for the academic year 2025-26 and forward it to the University for further action.
- [3]
- [4]
- [5]
- [6]
- [7]
- [8]
- [9]

The meeting concluded at 01:30 PM


Prof. K Sreejith
(HoD, DB&M)

Dr. K. SREEJITH, M.Phil, Ph.D
Professor
Department of Biotechnology & Microbiology
Kannur University, Thalassery Campus
Palayad - 670 661, Kerala





Dr. K. SREEJITH M.Phil, Ph.D
Professor & Head
Department of Biotechnology & Microbiology
Kannur University, Dr. Janaki Ammal Campus
Palayad - 670661, Kerala

Dr.T.V.Ramakrishnan
Professor & Head

Phone: 9446477054

Email:

hodmathematics@kannuruniv



DEPARTMENT OF MATHEMATICAL SCIENCES
 MANGATTU PARAMBA,P.O. KANNUR UNIVERSITY CAMPUS,
 KANNUR-670 567, KERALA, INDIA

Math/100/025

13/11/2025

To

The Registrar
 Kannur University

Sir,

Sub: Forwarding of the syllabus of Value added course for the academic year 2025-26 -Regarding

Ref: Letter No: Acad D/acad D5/14984/2023 dated 3-11-2025

Submitting herewith a proposal to offer a Value Added Course on '*Introduction to R Programming*' in the department for the academic year 2025-26.

Thanking you ,

Yours Sincerely,


 13/11/2025
 Professor and Head

Head
 Department of Mathematical Sciences
 Kannur University Campus P.O.
 Mangattuparamba - 670 567

Encl:1. Syllabus of the Course

2.Minute of the Department Council



DEPARTMENT OF MATHEMATICAL SCIENCES
KANNUR UNIVERSITY




VALUE ADDED COURSE:-2025-26

PROPOSAL

Name of the Department	Department of Mathematical Sciences
Course Name	Introduction to R programming
Course Code	
Duration	30 hours
About the Course:	This course equips students with practical skills to conduct statistical data analysis using R. With a blend of theoretical understanding and hands-on sessions, the course prepares participants to analyze, interpret, and present data effectively.
Course Objectives	<ul style="list-style-type: none">•Statistical Foundations: Build a solid foundation in statistical concepts relevant to R.•R Mastery: Gain expertise in using R for data manipulation, analysis, and visualization.•Practical Applications: Learn to apply statistical methods to solve real-world problems in various domains.•Result Interpretation: Develop skills to interpret and communicate statistical findings.•Report Writing: Learn to present data and statistical results professionally.
Course Outcomes	After completing the course, students will: <ol style="list-style-type: none">1. Understand the basics of RStudio and how to work with different types of data.2. Learn how to clean, organize, and prepare data for analysis.3. Explore data using simple statistics, compare groups, and understand relationships between variables.4. Create charts and reports to share insights and support decision-making.

[Signature]
1/12/2025

<p>Course Content</p>	<p>Module 1: Introduction to Rstudio (10 hours)</p> <p>Objects and their classes, operators, vectors and matrices, list and data frames, indexing and accessing data, importing and exporting data. Common built-in functions. Simple applications – Descriptive statistics.</p> <p>Module 2: R-Graphics (10 hours)</p> <p>R-Graphics- Histogram, Box-plot, Stem and leaf plot, Scatter plot, Q-Q plot. Looping- for loop, repeat loop, while loop, if command, if else command, violin plot</p> <p>Module 3: Descriptive statistics (10 hours)</p> <p>The Descriptive Statistics, parametric tests: the Comparison of Means, ANOVA, Non-Parametric Tests, Correlation and Regression Procedures.</p>
<p>Tentative list of resource persons:</p>	<p>Key Resource person</p> <ol style="list-style-type: none"> 1. Abdul Fathah, Assistant Professor on daily basis, Department of Statistical Sciences, Kannur University Campus , Mangattuparamba 2. Sithara K, Assistant Professor on daily basis, Department of Statistical Sciences, Kannur University Campus , Mangattuparamba 3. Bhagyalakshmi K P, Assistant Professor on daily basis, Department of Statistical Sciences, Kannur University Campus , Mangattuparamba 4. Athira K , Assistant Professor on daily basis, Department of Statistical Sciences, Kannur University Campus , Mangattuparamba 5. Abubakkar Siddiq K, Assistant Professor on daily basis, Department of Statistical Sciences, Kannur University Campus , Mangattuparamba


 Head
 Department of Mathematical Sciences
 Kannur University Campus P.O.
 Mangattuparamba - 670 567

Budget Estimate

Item	Cost (₹)
Remuneration	30,000/-
Total	₹30,000/-

(Rupees thirty thousand only)

CP
12/11/2021

Head
Department of Mathematical Sciences
Kannur University Campus P.O.
Mangattuparamba - 670 567



KANNUR UNIVERSITY

DEPARTMENT OF MATHEMATICAL SCIENCES
MANGATTU PARAMBA, P.O. KANNUR UNIVERSITY CAMPUS,
KANNUR-670 567, KERALA, INDIA

Minute of the Department Council meeting held on 12/11/2025 at 12.45 p m

In the meeting, Professor T. V. Ramakrishnan, Head of the Department of Mathematical Sciences, presented the syllabus for the value-added course titled "**Introduction to R Programming**" to be offered by the department during the academic year 2025-26. The proposed course is being offered with the assistance of teachers from the Department of Statistical Sciences of the University.

After discussions , The council unanimously decided to submit the proposal of the value added course to the university

Members Present:

1. Prof. T. V. Ramakrishnan



12/11/2025

2. Dr. Anoop V. P.



3. Dr. Sithara Ramesan





KANNUR UNIVERSITY
ACCREDITED BY NAAC WITH B++ GRADE
DEPARTMENT OF COMMERCE & BUSINESS STUDIES
DR. P K RAJAN MEMORIAL CAMPUS
PALATHADAM, NILESHWARAM -671314
KASARAGODE, KERALA, INDIA

ANI VADAKKE PURAYIL
COURSE DIRECTOR

Mob: 7510396517
Email: cddcbs@kannuruniv.ac.in

DCBS/VAC/Nov 2025

13/11/2025

To
The Registrar
Kannur University

Subject: Submission of Proposal and Syllabus for Value Added Course (2025–26 Session)

Ref: ACAD/ACAD D5/14984/2023 dated 03.11.2025

Sir,

As per the reference cited above, the Department Council has discussed and approved the submission of the proposal and syllabus for the Value Added Course to be offered in the 2025–26 session.

Please find attached the following documents for your kind perusal and necessary action:

1. Syllabus for the proposed Value Added Course
2. Minutes of the Department Council meeting

Thank you for your attention to this matter.

Yours faithfully,

Sd/-

Course Director

Minutes of the Department Council Meeting

Date: 12-11-2025

Time: 12.30 PM

Place: Staff room

Agenda: Discuss the proposal and syllabus for the Value Added Course titled "*E-Filing in Business*" to be offered during the 2025-26 academic session

Report:

The Department Council meeting was presided over by the Course Director, Ani Vadakke Purayil. The Council discussed and approved the submission of the proposal and syllabus for the Value Added Course titled "*E-Filing in Business*", to be offered during the 2025-26 academic session.

Participants :

ANI VADAKKE PURAYIL

ANJANA M V

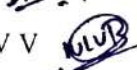
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NIVEDITHA V V

JEENA E P

PRAGATHI PRIYA PREMARAJAN



Department of Commerce and Business Studies
Value Added Course
Syllabus

TITLE OF THE PAPER	LECTURE HOURS
E- FILING IN BUSINESS	30
Learning Objectives: <ul style="list-style-type: none"> • Learn the conceptual understanding about filing of returns and e-filing. • Explain the difference between manual filing and electronic filing procedures in taxation. • Demonstrate proficiency in online registration and e-filing using government portals. • Prepare and submit returns under TDS, Income Tax, and GST accurately and timely. • Acquire knowledge about Income Tax and filing of different tax Returns, TDS. • Understand GST and its mechanism, different GST Returns and due dates of filing the returns. 	
COURSE OUTCOMES: After completing the course, the students will be able to	
CO1	Understand the e-filing system and its process.
CO2	Accurately prepare and upload tax returns (ITR, TDS, GSTR) using official online systems.
CO3	Identify the different heads of income, ITRs and its applicability
CO4	Skillfully understand e-filing registration India
CO5	Know types of Forms for filing TDS Returns
CO6	Become expert in GST and different GSTRs and their due dates.

Unit – I: E-Filing

Meaning of e-filing – Features of e-filing- Difference between e-filing and regular filing

- Benefits and Limitations of e-filing – Types of e-filing

Unit – II: Income Tax and E-filing

Introduction to Income Tax – Basic terminology – Types of Assesses – Income Taxable under different Heads – Basics of Computation of Total Income and Tax Liability – Deductions available from Gross Total Income – PAN — Introduction to Income Tax Portal

Unit – III: Income Tax and e-filing of ITRs

Income Tax e-filing registration – Registration Process – Individuals – Other than Individuals- Meaning of Income Tax Returns (ITRs) -Types of ITRs- - Who should file which ITR: ITR-1; ITR-2; ITR-3; ITR-4; ITR-5; ITR-6 - Due date for filing of Income Tax Returns

Unit – IV: TDS and E-filing of TDS Returns

Introduction to the concept of TDS – Provisions regarding Returns of TDS – Types of Forms for filing TDS Returns.

Unit – IV: E-filing of GST Returns

Introduction to GST – GSTN Portal – Input-Tax Credit – e-way bills- Online GST Registration– Types of GST Returns – Monthly, Quarterly Annual and Final. - Input Tax Credit- Input Tax Credit (ITC) Reconciliation -Invoices, Credit/Debit Notes – Payment of Tax - Types of e- filing - Due Date for filing of GSTRs- Penalties for Late- Filing -Filing Deadlines -Offline GST Return Preparation- Challan Generation Process - Common Errors in Filing.

Reference / Recommended Books for study:

1. Mehrotra and Goyal Sahitya 2020-21 Income Tax Law and Accounts, Bhavan, Publications, New Delhi.
2. Datey, V.S. (2024). *Indirect Taxes Law and Practice – Including GST and Customs*. Taxmann Publications Pvt. Ltd., New Delhi.
3. Sarangi G 2020-21 Goods and Services Tax, Centtax Publications Pvt. Limited, New Delhi.
4. Singhania, V.K. & Monica Singhania (2024). *Students' Guide to Income Tax – Including GST*. Taxmann Publications Pvt. Ltd., New Delhi.
5. S.S. Gupta (2024). *Practical Guide to GST Compliance and E-Filing*. Taxmann Publications Pvt. Ltd., New Delhi.
6. Srinivasan .T 2020-21 Income Tax Law and Practice, Vijay Nicloe Imprints Limited, Chennai.
7. Ahuja G & Gupta R 2020-21 Simplified Approach to GST and Customs Law Flair Publications,New Delhi.
8. Gaur V.P. and D.B. Narang 2020-21, Income Tax Law and Practice Kalyani Publishers, Ludhiana

Minutes of the meeting of the Department Council held on 09/11/25 at School of Pedagogical Sciences, Dharmasala

Agenda

1. Value Added course
2. Question Bank Preparation
3. Other matters admitted by the chair

Members Present

1. Dr. M. Jayachandran (HOD)
2. Dr. Preetha George (Faculty)
3. Dr. Vidhya VS (Faculty)
4. Dr. Rosa MC (Faculty)

[Handwritten signatures and dates: 09/11/25]

Resolutions

1. The department council has decided to conduct a value added course on Data Analysis using Statistical Softwares in Education as per the guidelines given by the university. Dr. Rosa MC is given charge as the co-ordinator of the course.
2. It has decided to conduct the first internal exam of first semester from 12/11/2025.
3. It has decided to prepare the Question Bank of first and second semester as per the instruction from the university.
4. It has decided to conduct the model examination of third semester on 28/11/25, 27/12/25 and 28/12/25 respectively.

[Handwritten signature in green ink]
Head

School of Pedagogical Sciences
Kannur University
Kannur University Campus, P.O.
Kannur - 670 567

KANNUR UNIVERSITY
SCHOOL OF PEDAGOGICAL SCIENCES

Kannur University Campus P.O., Dharmasala – 670567
Phone: 0497-2781290 e-mail: spskannuruty@gmail.com

SPS/VAC 2025-11-13

Dated:12/11/2025

To

The Registrar

Kannur University

Sir

Sub: Proposal for Value Added Course -2025-26 (Course Duration: 30 hours)

COURSE TITLE: STATISTICAL SOFTWARES FOR EDUCATIONAL RESEARCH

Course Objectives

By this course, students will:

- Understand the role and applications of selected statistical softwares in educational research.
- Equip learners with practical skills to manage, analyze, and interpret quantitative data.
- Enable the use of multiple platforms (SPSS, R, Jamovi) for conducting statistical analyses.
- Promote competence in selecting appropriate statistical tests and interpreting their results.
- Facilitate comparison of software interfaces and outputs for research publication purposes.

Course Learning Outcomes

Upon successful completion, students will be able to:

- Import and manage datasets in SPSS, R, and Jamovi.
- Perform descriptive and inferential statistics using these tools.
- Apply suitable statistical tests (t-test, ANOVA, correlation, regression, chi-square, etc.).

- Generate graphs, tables, and visualisations for data interpretation.
- Interpret output results for inclusion in theses, reports, and research publications.
- Compare functionalities and advantages of SPSS, R, and Jamovi.

List of Resource Persons

(1) Dr K Sajan, Assistant Professor, NSS Training College. Ottapalam

(2) Dr Muneer V, Assistant Professor, Farook Training College, Calicut

(3) Dr Preeethi C, HSST, Govt Boys HSS, Tirur, Malappuram

The proposal for conducting value added course is submitted for perusal and approval.

Thanking you

Yours Faithfully

Head of the Department

School of Pedagogical Sciences

Value Added Course -2025-26

(Course Duration: 30 hours)

COURSE TITLE: **STATISTICAL SOFTWARES FOR EDUCATIONAL RESEARCH**

Course Syllabus

Course Objectives

By this course, students will:

- Understand the role and applications of selected statistical softwares in educational research.
- Equip learners with practical skills to manage, analyze, and interpret quantitative data.
- Enable the use of multiple platforms (SPSS, R, Jamovi) for conducting statistical analyses.
- Promote competence in selecting appropriate statistical tests and interpreting their results.
- Facilitate comparison of software interfaces and outputs for research publication purposes.

Course Learning Outcomes

Upon successful completion, students will be able to:

- Import and manage datasets in SPSS, R, and Jamovi.
- Perform descriptive and inferential statistics using these tools.
- Apply suitable statistical tests (t-test, ANOVA, correlation, regression, chi-square, etc.).
- Generate graphs, tables, and visualisations for data interpretation.
- Interpret output results for inclusion in theses, reports, and research publications.
- Compare functionalities and advantages of SPSS, R, and Jamovi.

Course Structure

Module I: Statistical Analysis Using SPSS (15 Hours)

Introduction to SPSS (Overview of statistical software and its role in research

Interface and workspace of SPSS, Descriptive Statistics and Data Visualisation (Frequency distributions, measures of central tendency and dispersion, Data transformation and recoding,

Graphical representations: histograms, boxplots, bar charts, scatterplots). Inferential Statistics (Testing assumptions (normality, homogeneity)

Parametric tests: t-test, ANOVA, ANCOVA.

Non-parametric tests: Chi-square, Mann-Whitney, Kruskal-Wallis. Correlation and regression analysis, reliability analysis (Cronbach's alpha) Exporting and interpreting output tables for reports.

Module II: Statistical Computing Using R and Jamovi (15 Hours)

Introduction to R and Jamovi (Overview and comparison of R, Studio, and Jamovi. Installation and basic interface. Importing data from Excel/CSV/SPSS formats).

Data Handling and Descriptive Analysis (Basic R commands for data manipulation, Descriptive statistics and summary functions, Creating and interpreting visualisations using ggplot2 and Jamovi plots).

Inferential and Advanced Analyses (t-test, ANOVA, correlation, regression using R and Jamovi, Factor analysis, reliability, and effect size, Data interpretation and reporting of results in APA style, generating reproducible scripts and outputs for research documentation).

Hypothesis testing and significance level, t-test (independent, paired), ANOVA, Correlation, Regression, Chi-square Test and Non-parametric Test.

S/d

Head of the Department

School of Pedagogical Sciences

To
The Registrar
Kannur University
Thavakkara, Kannur – 670002

Subject: Forwarding of Proposal for Conduct of Value Added Course

Sir,

Sub: Submission of proposal for consideration and approval – reg.

I am submitting herewith the proposal and minutes for the conduct of a **Value Added Course** titled **“Data Analysis with Spreadsheet”** proposed by the **Department of Economics**, Dr. Janaki Ammal Campus, Kannur University.

The course is designed to enhance students’ analytical and digital competencies, providing hands-on training in Excel-based data analysis relevant to economic research and decision-making. The proposal includes detailed course objectives, expected outcomes, content structure, and the list of proposed resource persons.

I request that the proposal may kindly be considered and placed before the competent authority for approval and necessary action.

Thanking you,

Yours faithfully,



Dr. V. Shaharban
Head, Department of Economics
Dr. Janaki Ammal Campus
Kannur University

Date: 13-11-2025

Encl.:

1. Minutes of the Department Council
2. Proposal for Value Added Course – *“Data Analysis with Spreadsheet”*





KANNUR UNIVERSITY

Name of the Department	DEPARTMENT OF ECONOMICS
Course Name	DATA ANALYSIS WITH SPREADSHEET
Course Code	
Duration	30 hrs
About the course	This course provides essential Excel skills tailored for economic data analysis. Students learn data import, manipulation, advanced formulas, and visualization techniques. Through practical projects on real economic issues, students gain hands-on experience and develop critical thinking skills. The course also emphasizes data ethics, ensuring students are equipped for responsible data-driven decision-making in economic contexts.
Course objectives	<p>learners objectives of this course is:</p> <ol style="list-style-type: none"> 1. Understand the fundamentals of data organization, cleaning, and formatting in Excel. 2. Apply Excel functions and formulas to process, analyze, and summarize datasets. 3. Use Excel's charting and visualization tools to represent data insights effectively. 4. Perform advanced analytical techniques using PivotTables, PivotCharts, and data analysis add-ins. 5. Interpret analytical outputs to support decision-making and report findings professionally.
Course outcomes	<ul style="list-style-type: none"> • Confidently import, clean, and organize economic data in Excel spreadsheets. • Apply relevant formulas and functions to analyse and summarize data, drawing relevant economic conclusions. • Create various data visualizations (charts, graphs, etc.) to effectively communicate their findings to different audiences. • Gain familiarity with advanced Excel techniques for more complex data analysis tasks encountered in economic research. • Demonstrate an understanding of data ethics and responsible data driven decision making in the economic context.
Course Content	<p>Module 1: Introduction to Excel for Data Analysis</p> <ul style="list-style-type: none"> • Overview of Excel environment and workbook management • Data types, cell formatting, conditional formatting • Data entry techniques, sorting, filtering • Basic formulas and functions (SUM, AVERAGE,

	<p>COUNT, MAX, MIN)</p> <p>Module 2: Functions for Analytical Processing</p> <ul style="list-style-type: none"> • Text functions (LEFT, RIGHT, MID, CONCAT, TRIM) • Logical functions (IF, AND, OR, NOT) • Lookup & reference functions (VLOOKUP, HLOOKUP, XLOOKUP, INDEX-MATCH) • Date & time functions, error handling functions (IFERROR) <p>Module 3: Data Visualization & Exploratory Analysis</p> <ul style="list-style-type: none"> • Creating and customizing charts (Column, Bar, Line, Pie, Combo charts) • Charts for analysis: Sparklines, Histograms, Pareto charts • Using Quick Analysis, Trendlines, and Conditional Charts • Exploratory Data Analysis using descriptive statistics <p>Module 4: Advanced Tools for Data Analysis</p> <ul style="list-style-type: none"> • PivotTables and Pivot Charts (grouping, filtering, calculated fields) • What-If Analysis (Scenario Manager, Goal Seek, Data Tables) • Data validation, advanced filtering, and sub totaling • Introduction to Power Query and Data Regression and Correlation analysis by using Analysis ToolPak
Tentative list of Resource person	<p>Dr. V. Shaharban - Associate Professor, and Head , Department of Economics, Kannur University, Dr. Janaki Ammal campus</p> <p>Mr. MUHAMMED SHAFI - Assistant Director - ITEC - Kannur University, Dr. Janaki Ammal Campus</p> <p>Ms.Saranya - Assistant Professor, ITEC, Kannur University, Dr. Janaki Ammal Campus</p> <p>Mr. Sameen SAP – Technical assistant, ITEC , Kannur University, Dr. Janaki Ammal Campus</p>



(Signature)
 Head of the Department
 Department of Economics
 Kannur University, Thalassery Campus
 P. O. Palayad-670661

Minutes of the Department Council Meeting on 12/11/2025
members presented

1. Neelthi Salam
2. Amal Jose
3. Priyanka V
4. Manu kumar cose
5. Shaharban V

Signature

Neelthi
Amal
Priyanka
Manu
Shaharban

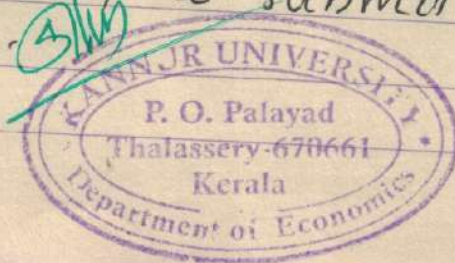
Agenda

1. VAC (2025 - 2028)

Decision taken

1. Council Approved the Proposal and syllabus of VAC in Data Analysis with Spreadsheet prepared by the department and resolved to submit the same on or before 13/11/2025.

Head of the Department
Department of Economics
Kannur University, Thalassery Campus
P. O. Palayad - 670661



KANNUR UNIVERSITY

(NAAC Accredited with B++ Grade)

SCHOOL OF CHEMICAL SCIENCES

Swami Anandatheertha Campus

Edat (P.O) Payyanur - 670 327

Email: hodchemistry@kannuruniv.ac.in Tel: 0497 2806402

KU/SCS/VAC/25

13/11/2025

From

Head of the Department

To

The Registrar

Kannur University

Sir,

Sub:- Value Added Course – Proposal – forwarding of – Reg.

Ref:- Acad D/ ACAD D5/14984/2023 dated, 03/11/2025.

With reference to the above, I am forwarding herewith the Syllabus, Proposal and Minutes of the Department Council for the proposed Value Added Course for the academic year 2025-26 at the School of Chemical Sciences. Kindly do the needful.

Yours faithfully



Head of the Department

HEAD
SCHOOL OF CHEMICAL SCIENCES
SWAMI ANANDATHEERTHA CAMPUS
KANNUR UNIVERSITY
EDAT (PO), PAYYANUR - 670 327

Minutes of the Department Council meeting held on
13/11/2025 at 3:00 pm

- ① Prof. Haridas K.R. Haridas
- ② Prof. S. Sudheesh Sudheesh
- ③ Dr. Mili C.M. Mili
- ④ Dr. Reemmi Bhanukumar P. Reemmi
- ⑤ Prof. ~~K.R. Han~~ Dr. Shrima P.D. Shrima
- ⑥ Dr. Baiju K.V. Baiju
- ⑦ Dr. Biju A.R. Biju

Ref 1: Acad D/Acad D5/14989/2023 dated 03.11.2025

As per the Ref 1: department council decided to approve and conduct value added course for 2024-26 academic year. The title of the course is "Contemporary Methods for characterisation of materials". The syllabus of the same was scrutinised and approved by the Department Council.

Baiju
Dr. Baiju K.V.



Biju
Dr. Biju A.R.
HEAD
SCHOOL OF CHEMICAL SCIENCES
SWAMI ANANDATHEERTHA CAMPUS
KANNUR UNIVERSITY
EDAT (PO), PAYANUR - 670 327,



KANNUR UNIVERSITY
VALUE ADDED COURSES

Name of the Department	School of Chemical Sciences
Course Name	Contemporary Methods for Characterization of Materials (Value-Added Course)
Course Code	(to be given by University)
Duration	30 hrs
About the course:	<p>This course introduces students to the fundamental practical skills in advanced instrumental analysis with a special focus on material characterization, which is essential in today's industrial and research environments. It provides a strong foundation in the principles of analytical techniques, a clear understanding of the instrumentation and methodologies involved, and hands-on experience with modern analytical tools.</p> <p>The program is designed to deliver comprehensive theoretical knowledge along with practical training on a range of sophisticated instruments such as X-ray Diffraction (XRD), Thermogravimetric and Differential Thermal Analysis (TGA/DTA), Differential Scanning Calorimetry (DSC), Raman Spectroscopy, Nuclear Magnetic Resonance (NMR) Spectroscopy, Photoluminescence (PL), UV-Visible Spectrophotometry, Electrochemical Workstation, and Solar Simulator, among others.</p> <p>Through this integrated approach, students gain both conceptual understanding and practical competence in the advanced characterization of materials.</p>
Course Objectives:	<p>Characterization of materials is essential for understanding and optimizing their applications across various areas of materials science. It plays a crucial role in determining the chemical composition, microstructure, and physical properties of materials employed in diverse fields such as sensing, probing, and medical applications.</p> <p>The objective of this course is to provide students with a comprehensive overview of sophisticated instrumental techniques, focusing on their principles, operation, and practical applications. Special emphasis is placed on UV-Visible spectroscopy, X-ray diffraction (XRD), thermal analysis, and electrochemical methods, enabling students to develop both theoretical insight and practical expertise in advanced material characterization.</p>

<p>Course Outcomes:</p>	<p>On successful completion of this short term course, a student will be able to:</p> <ul style="list-style-type: none"> • Explain the principles and operational aspects of advanced characterization techniques such as UV-Visible spectroscopy, X-ray diffraction (XRD), thermal analysis, and electrochemical methods used for studying various materials. • Understand the crystal structure of materials and establish correlations between their structure and properties. • Interpret the thermal behavior of materials from a microstructural perspective and relate it to their practical applications. • Gain hands-on experience in operating sophisticated instruments and analyzing experimental data. • Apply the acquired knowledge and technical skills in research investigations and industrial applications related to material characterization. <p>Post Graduates, after doing the course can get into various academy/Industry-based jobs like</p> <ol style="list-style-type: none"> (i) Instrumentation Engineer (ii) Technical Assistant (iii) Scientific Assistant (iv) Lab Assistant
<p>Course Content</p>	<p>Module 1: Spectroscopic methods</p> <p>Module 2: X-ray techniques</p> <p>Module 3: Thermal Studies</p>
<p>Tentative list of resource persons:</p>	<ol style="list-style-type: none"> 1. Dr. Joshy Joseph, Principal Scientist, CSIR-NIIST Thiruvananthapuram 2. Dr. Rajeev, Senior Scientist (Retd.), ISRO, VSSC 3. Dr. Sugunan S, Professor (Retd.) CUSAT, Kochi 4. Dr. Jerry Fereiro, Asst. Professor, IISER Thiruvananthapuram. 5. Dr. Suraj Soman, Scientist, CSIR-NIIST Thiruvananthapuram 6. Dr. Kaustava Bhattacharya, BARC, Mumbai



Dr. A R Biju

Associate Professor of CHEMICAL SCIENCES
 School of Chemical Sciences
 SWAMI ANANDATHEERTHA CAMPUS
 KANNUR UNIVERSITY
 EDAT (P.O.), PAYYANUR - 670 327



School of Chemical Sciences

Contemporary Methods for Characterization of Materials (Value-Added Course)

Course Duration: 30 Hrs.

Course Objectives

Characterization of materials is fundamental for their effective application across various domains of materials science. It plays a vital role in understanding the chemical composition, microstructure, and physical properties of materials used in probes, sensors, and medical applications.

The objective of this course is to equip students with a comprehensive understanding of advanced instrumental techniques, with a special focus on their principles, practical operation, and applications. Emphasis will be placed on UV-Visible spectroscopy, X-ray diffraction (XRD), thermal analysis, and electrochemical methods, enabling students to gain both theoretical insight and practical competence in modern material characterization.

Learning Outcomes

On successful completion of this short term course, a student will be able to:

- Explain the principles and operation of a range of advanced techniques such as UV-Visible spectroscopy, X-ray diffraction, thermal and electrochemical instruments used in characterization of various materials
- Develop an idea about the crystal structure of materials and their by its structure - property relations.
- Understanding, from a microstructural point of view, the thermal properties of materials and related applications.
- Apply the skills gained in research and industrial explores

Course Syllabus

Module -1 Spectroscopic methods (10 hrs)

Theory: Ultraviolet and Visible Spectroscopy: electronic transitions, radiative processes, energy diagram, internal conversion, conical intersection, Principle, solvent effects, instrumentation and applications of UV-Visible, spectroscopy, FT-IR, Raman and Fluorescence spectroscopy.

Module II X-ray techniques (10 hrs)

Theory: Principle, Theory- X-ray spectral lines, instrumentation, Powder XRD and Single crystal XRD, Chemical analysis using X-ray absorption, X-ray Fluorescence instrumentation and chemical analysis, X-ray Diffraction, Chemical analysis with X-ray diffraction, applications.

Module - III Thermal Studies (10 hrs)

Theory: Introduction, specific heat, thermal conductivity, thermal expansion, thermal stress, thermal stability. Relationship between structure and thermal properties of materials. Thermo gravimetric methods of analysis (TGA): Instrumentation, thermogram and information from thermogram, factors affecting thermogram, applications TGA for quantitative analysis and problems based TGA. Differential Scanning Calorimetry (DSC): Principle, Instrumentation,

Applications

Books Recommended

- 1) Theory and Applications of UV Spectroscopy, H.H.Jaffe and M.Orchin, IBH-Oxford.
- 2) Inorganic spectroscopic methods, A.K. Brisdon, Oxford Chem. Primers, 1997, New York.
- 3) Applied Electron Spectroscopy for Chemical Analysis Ed. H. Windawi and F.L.Ho, Wiley Inter science.
- 4) Introduction to Spectroscopy, Pavia, Brooks/Cole Cenage, 4th edition, 2009, Belmont.
- 5) Fundamentals of Analytical Chemistry, Skoog, West, Holler, Croach, Thomson Brooks/Cole
- 6) Instrumental methods of chemical analysis, Willard, Dean and Merrit, Affiliated East West Press



Dr. A R Biju

Associate Professor & Head
School of Chemical Sciences

HEAD
SCHOOL OF CHEMICAL SCIENCES
SWAMI ANANDATHEERTHA CAMPUS
KANNUR UNIVERSITY
EDAT (P.O), PAYYANUR - 670 327



**KANNUR UNIVERSITY****DEPARTMENT OF STATISTICAL SCIENCES****KANNUR UNIVERSITY CAMPUS P.O, MANGATTUPARAMBA, KANNUR, KERALA, INDIA-670 567****Ph: 04972783939 email: hodstatistics@kannuruniv.ac.in**

No. DSS/VAC/2025

Date: 13.11.2025

From

Head of the Department.

To

The Registrar,
Kannur University

Sir,

Sub: Department of Statistical Sciences – Value Added Programme – Proposal –
Submitting.

I am forwarding herewith the proposal for Value Added Programme 2025-26 in Data Analysis and Visualization using STATA and Tableau (MSMATVAC05) with copy of the Minutes of the Department Council Meeting held on 13.11.2025 for further necessary action.

Thanking you,

Yours faithfully,

Head of the Department



Head of the Department
Department of Statistical Sciences
Mangattuparamba Campus
Kannur University, Kannur - 670567

Encl: A/a

**DEPARTMENT OF STATISTICAL SCIENCES
KANNUR UNIVERSITY**



VALUE ADDED COURSE:-2025-26

PROPOSAL

Name of the Department	Department of Statistical Sciences
Course Name	Data Analysis and Visualization using STATA and Tableau
Course Code	
Duration	30 hours
About the Course:	This course provides hands-on training in STATA for statistical data analysis and Tableau for interactive data visualization. Participants will learn data management, statistical modeling, and visual analytics through real-world datasets. The course aims to strengthen analytical and presentation skills essential for research, academics, and data-driven decision-making.
Course Objectives	<ol style="list-style-type: none"> 1. To familiarize participants with the STATA environment and its key commands for data handling. 2. To develop proficiency in performing descriptive and inferential statistical analyses using STATA. 3. To introduce techniques for data cleaning, transformation, and regression modeling. 4. To equip participants with skills to visualize data effectively using Tableau. 5. To demonstrate the integration of statistical analysis and visualization for impactful reporting. 6. To enable participants to independently perform data-driven research and prepare professional reports.
Course Outcomes	<p>After successful completion of the workshop, participants will be able to:</p> <ul style="list-style-type: none"> • Efficiently manage and analyze data using STATA. • Conduct statistical tests and interpret results accurately. • Create regression and correlation models for research applications. • Design interactive dashboards and data visualizations in Tableau. • Integrate statistical and visual insights for comprehensive data



	reporting.
Course Content	<p>Module 1: Data Management and Descriptive Analysis in STATA</p> <p>Topics Covered:</p> <ul style="list-style-type: none"> • Introduction to STATA interface and syntax • Importing and exporting datasets • Data cleaning, labeling, and recoding • Handling missing values • Descriptive statistics and summary measures • Graphical representation: histograms, boxplots, and bar charts <p>Module 2: Statistical Analysis and Modeling using STATA</p> <p>Topics Covered:</p> <ul style="list-style-type: none"> • Correlation and regression analysis (simple and multiple) • ANOVA and ANCOVA • Logistic regression and interpretation • Factor analysis and reliability testing • Working with do-files and log files • Generating publication-quality tables and graphs <p>Module 3: Data Visualization and Dashboard Creation using Tableau</p> <p>Topics Covered:</p> <ul style="list-style-type: none"> • Introduction to Tableau interface and data connections • Data blending and calculated fields • Creating charts: bar, line, pie, scatter, maps • Using filters, parameters, and hierarchies • Building interactive dashboards and stories • Exporting and sharing visualizations
Tentative list of resource persons:	<p>Key Resource person</p> <ol style="list-style-type: none"> 1. Amrit J John, Research Scholar, International Institute for Population Sciences, Mumbai. 2. Ananya V, Research Scholar, International Institute for Population Sciences, Mumbai. 3. Abdul Fathah, Assistant Professor on daily basis, Department of Statistical Sciences, Kannur University




	<p>Campus , Mangattuparamba</p> <p>4. Mr. Jeswin Baby, Research Officer, Carithas Hospital, Kottayam</p> <p>5. Ms. Aswathy T, St. Johns Medical Research Institute, Bangalore.</p>
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Budget Estimate

Item	Cost (₹)
Remuneration	30,000/-
Total	₹30,000/-

(Rupees thirty thousand only)




 Head of the Department
 Department of Statistical Sciences
 Mangattuparamba Campus
 Kannur University, Kannur - 670567

Department of Statistical Sciences, Kannur University

Minutes of the Department Council Meeting held on 13/11/ 2025, 10.30 am

- Agenda:** 1. Finalising and forwarding the proposal for VAC course
2. Repair work of chairs in the HOD room and staff rooms

Members present:

Dr Muhammed Anvar P, Assistant Professor & Head

Dr Radakrishnan Niar K, Guest Faculty (Daily wage basis)

Mr. Abdul Fathah, Guest Faculty (Daily wage basis)


Mr Abubakkar Siddiq K, Teaching Assistant (Daily basis)

Ms Athira K, Teaching Assistant (Daily basis)

Decisions:

1. With reference to the circular ACAD D/ACAD D5/ 14984/2023 dated 03/11/2025, the proposal for conducting VAC course on the topic "**Data Analysis and Visualization using STATA and Tableau**" during 2025-26 academic year is prepared and discussed. It is decided to finalise the proposal and submit the same to the University.
2. It is noted that the current furniture in the staff room requires repair, particularly the replacement of chair arms and cushions. It was decided that necessary arrangements be made, and the required amount for the repair work be allocated from the DDF.




Head of the Department
Department of Statistical Sciences
Mangattuparamba Campus
Kannur University, Kannur - 670567

VALUE ADDED COURSE

Name of the Department: Kannur University Teacher Education Centre, Kasaragod

Course Name: Advanced AI Prompting: Strategies for Effective Communication

Course Code:

Course Duration: 30 hours

Target Audience: B. Ed Students

About the course:

This course is designed to equip B.Ed Students with the skills to design and engineer effective prompts for AI models, enhancing their teaching practices and student learning outcomes. Participants will learn about AI models, prompt design principles and techniques for optimizing prompts.

Course Objectives:

1. Understand the basics of AI prompting engineering and its applications in education
2. Learn about AI models and their limitations
3. Develop skills in designing effective prompts for educational tasks
4. Apply prompt engineering techniques to optimize AI model performance
5. Explore best practices and case studies in AI prompting for education

Course Outcomes:

1. Understand the principles of AI prompting engineering and its applications in education
2. Skills to design and engineer effective prompts for AI models to support teaching and learning
3. Ability to apply prompt engineering techniques to optimize AI model performance in educational settings
4. Ability to evaluate the effectiveness of AI prompts in achieving learning objectives
5. Ability to develop innovative solutions for teaching and learning using AI prompting engineering

Course Content:

- Module 1: Introduction to AI Prompting Engineering (2 hours)
- Module 2: Understanding AI Models (4 hours)
- Module 3: Prompt Design Principles (6 hours)
- Module 4: Prompt Engineering Techniques (8 hours)
- Module 5: AI Prompting in Education (6 hours)
- Module 6: Best Practices and Case Studies (4 hours)

Tentative List of Resource Persons:

1. Dr. Abeera C A (Co-ordinator)
2. Dr. Reshma M Y
3. Mr. Abdulrahman Aman
4. Ms. Naveena KV

AI Prompting Engineering: Strategies for Effective Communication

Course Duration: 30 hours

Target Audience: Teacher trainees

Course Outline

Module 1: Introduction to AI Prompting Engineering (5hrs)

What is AI Prompting? - Definition and importance of AI prompting - Applications in education - Key Concepts - Prompts, tokens and context - AI models and their limitations

Module 2: Understanding AI Models (5hrs)

Types of AI Models - Language models (e.g., transformers) - Task-specific models (e.g., text classification) - Model Limitations - Biases and hallucinations - Handling out-of-vocabulary words

Module 3: Prompt Design Principles (5hrs)

Principles of Effective Prompt Design - Clarity, specificity, and concision - Contextualization and grounding - Prompt Types - Text, image and multi-modal prompts - Instructional, descriptive, and conversational prompts

Module 4: Prompt Engineering Techniques (5hrs)

Prompt Tuning and Optimization - Gradient-based optimization - Hyperparameter tuning - Prompt Augmentation and Manipulation - Data augmentation and synthesis - Prompt rewriting and rephrasing

Module 5: AI Prompting in Education (5hrs)

Applications in Teaching and Learning - Personalized learning experiences - Automated grading and feedback- Designing Prompts for Educational Tasks - Examples and case studies

Module 6: Best Practices and Case Studies (5hrs)

Best Practices for AI Prompting - Tips for effective prompt design - Common pitfalls and challenges- Case Studies - Real-world examples of AI prompting in education

Assessment and Evaluation

Assignments and Projects: (40%)

- Design and engineer prompts for educational tasks
- Evaluate and compare different prompting techniques

Class Participation: (30%)

- Assess understanding of key concepts and terminology
- Engage in discussions and share insights

Final Project: (30%)

- Develop a comprehensive AI prompting solution for a teaching scenario
- Present and demonstrate the solution

Recommended Resources

1. "Attention Is All You Need" (Vaswani et al., 2017)
2. "BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding" (Devlin et al., 2018)
3. Online Resources and Tools
4. Hugging Face Transformers documentation
5. PyTorch and TensorFlow tutorials

**KANNUR UNIVERSITY
DEPARTMENT OF MANAGEMENT STUDIES
TAVAKKARA CAMPUS, KANNUR**

DMS/164/HoD/2024

13-11-2025

To
The Registrar
Kannur University

Dear sir,

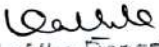
Sub: Proposal for Value Added Course – reg.

The Department of Management Studies proposes to conduct a value added course titled 'Certificate Course in Advanced Excel' for MBA students. The details of the course and the copy of the minutes of the Department Council meeting approving the course and its syllabus is attached herewith.

I request you to kindly give permission for conducting this course

Thanking you.

Yours faithfully


Head of the Department
Department of Management Studies
Kannur University
Thavakkara Campus, Kannur-670002

Encl: Proposal for value added course
Minutes of the Department Council meeting





VALUE ADDED COURSES – 2025-26

Name of the Department	Department of Management Studies
Course Name	Certificate Course in Advanced Excel
Course Code	(will be given by University)
Duration	30 hours
About the course:	This course intends to provide students with skills in using Microsoft Excel
Course Objectives:	This Advanced Excel course is expected to help in working with databases in Microsoft Excel.
Course Outcomes:	<ul style="list-style-type: none"> • Use advanced functions and productivity tools to assist in developing worksheets • Manipulate data lists using Outline, Autofilter and PivotTables • Use Consolidation to summarise and report results from multiple worksheets
Course Content	<p>Module I Overview of the Basics of Excel, Basic Formula - Add, Subtract, Multiply, Divide, BODMAS / Formula Error Checking, Sum Function.</p> <p>Module II LOOKUP Functions, PivotTables, Logical Functions, Statistical Functions, Math & Trigonometry Functions</p> <p>Module III Chart Data Techniques, Text Functions, Advanced Filters and Sorting, Summarizing Data, Custom Views</p>
Tentative list of resource persons:	Mr. Linto George Manager Training and Development Department KVJ Analytics, Kochi.
Estimated Expenditure	Rs. 30,000/ (For Resource Person)

Walle
Head of the Department
Department of Management Studies
Kannur University
Thavakkara Campus, Kannur-670002

EXCERPTS OF THE MINUTES OF THE DEPARTMENT COUNCIL MEETING OF THE DEPARTMENT OF
MANAGEMENT STUDIES HELD ON 11th NOVEMBER 2025 AT THAVAKKARA CAMPUS AT 11:00 AM

Members Present:

1. Karthikeyan P, Asst. Professor & Head,
2. Dr. U Faisal, Professor
3. Anish Kumar K P, Asst. Professor
5. Ms. Meera S., Asst. Professor

Sd/-

Sd/-

Sd/-

Sd/-


Decisions Taken:

1. Resolved to recommend the proposal to conduct Value Added course titled 'Certificate Course in Advanced Excel' during the year 2025-26.

...

Thavakkara

11-11-2025


Head of the Department
Head of the Department
Department of Management Studies
Kannur University
Thavakkara Campus, Kannur-670002

Minutes of the meeting held on 11-11-2025

Venue: Dept. of Molecular Biology

Time: 11:30 am

Agenda: i) VAC 2025-26 proposal submission
ii) Mentor-Mentee program

Members Present

- i) Dr. Soorej M. Basheer
- ii) Dr. Anur Kumar G.
- iii) Dr. Sanish Sathyan
- iv) Dr. Nimisha Vijayan P.

Decisions:

- i) Decided to submit VAC proposal for 2025-26 on the topic "Interpersonal & Leadership skill Development". Also decided to appoint Dr. Sanish Sathyan as the Course Coordinator.
- ii) to conduct Mentor-Mentee evaluation for the 1st & 11th Sem. students on or before December 18, 2025.

The meeting came to an end by 12:30 pm.



Dr. Soorej M. Basheer
Associate Professor & Head
Department of Molecular Biology
Kannur University
Dr. Janaki Ammal Campus
Palayad P.O.
Thalassery-670661



(RE-ACCREDITED BY NAAC WITH B++ GRADE)
DEPARTMENT OF MOLECULAR BIOLOGY
 Dr JANAKI AMMAL CAMPUS
 PALAYAD P.O., THALASSERY-670661

VALUE ADDED COURSE 2025-26

“Interpersonal and Leadership skills Development”

Course Code: MOB25VAC01 (tentative)

Credits: 2; Duration: 30 h

Name of the Department	MOLECULAR BIOLOGY
Course Name	Interpersonal & Leadership Skill Development
Course Code	(will be given by University)
Duration	30 h (Theory-20h; Activities-10 h)
About the Course:	This course aims to enhance students’ self-awareness, communication, and leadership abilities essential for personal and professional growth. It focuses on developing interpersonal effectiveness through activities on time management, teamwork, motivation, and conflict resolution. Emphasis is also placed on mental well-being, mindfulness, and stress management to promote emotional balance. Through interactive and reflective sessions, students learn to collaborate effectively, build empathy, and lead with confidence. The course ultimately equips participants with the mindset and skills necessary to work harmoniously in teams and assume responsible leadership roles.
Course Objectives:	<ol style="list-style-type: none"> 1. To help participants gain self-awareness and master key interpersonal communication and conflict resolution skills for effective collaboration. 2. To cultivate leadership qualities that enable participants to influence, motivate, and guide others towards shared goals.
Course Outcomes:	<p>Upon successful completion of the course, learners will be able to:</p> <ol style="list-style-type: none"> 1. Demonstrate enhanced self-awareness, emotional intelligence, and effective interpersonal communication. 2. Apply time management, teamwork, and conflict resolution strategies in academic and professional contexts. 3. Exhibit leadership qualities by motivating, guiding, and influencing others toward shared goals.

	4. Practice mindfulness and stress management techniques to maintain mental well-being and professional balance.
Course Content	<p>Module 1: Know yourself; priority setting and time management; building self-awareness and developing interpersonal communication skills (10 hours)</p> <p>Module 2: Team management; motivation; training on conflict resolution and interpersonal effectiveness (10 hours)</p> <p>Module 3: Mental health and mindfulness; Stress management; Leadership skills development-activities (10 hours)</p>
Tentative list of resource persons:	<ol style="list-style-type: none"> 1. Dr. Zakkariya K.A., Professor, School of Management Studies, Cochin University of Science & Technology, Kalamassery. 2. Dr. Soorej M. Basheer, Associate Professor, Department of Molecular Biology, Kannur University 3. Dr. Arun Kumar G, Assistant Professor, Department of Molecular Biology, Kannur University 4. Dr. Sanish Sathyan, Assistant Professor, Department of Molecular Biology, Kannur University

Assessment

- **Theory:** Written test (60%).
- **Activities:** (40%).

The course will be conducted in a hybrid mode (online/offline). A comprehensive written examination will be conducted (offline). Certificates will be issued (in pdf format) after the successful completion of the course.

Budget Estimate: Rs 30,000/- (An honorarium @Rs 1000/hr will be given to the instructors. No TA/DA will be provided)

Course Coordinator for VAC 2025-26: Dr. Sanish Sathyan

Sd/-
Head, Department of Molecular Biology

KANNUR UNIVERSITY

(ACCREDITED BY NAAC WITH 'B++' GRADE)
DEPARTMENT OF INFORMATION TECHNOLOGY
(School of Information Science & Technology)
KANNUR UNIVERSITY, MANGATTUPARAMBA CAMPUS, P.O
KANNUR - 670 567, KERALA, INDIA
 Phone : 0497 2784535 email : hodit@kannuruniv.ac.in

നമ്പർ. IT/ASO.IT/56/2023

തീയതി: 21.11.2025


പ്രേഷകൻ
 വകുപ്പ് മേധാവി
 സ്വീകർത്താവ്
 രജിസ്ട്രാർ,
 കണ്ണൂർ സർവ്വകലാശാല
 സർ,

Ad	PII	Acad	RD
DPE	KANNUR UNIVERSITY		Fin
SDE	22 NOV 2025		Exam
	No. 25481		
IQAC	PF	LIB	RTI
			DSS

വിഷയം:- ഇൻഫർമേഷൻ ടെക്നോളജി പഠന വകുപ്പ്- Value Added Course (VAC)-2025-26-പ്രൊപോസൽ സമർപ്പിക്കുന്നത് സംബന്ധിച്ച്
 സൂചന:- 20-11-2025 തീയതിയിലെ അക്കാഡ്ഡി /ACAD D5/14984/2023 നമ്പർ സർക്കുലർ

മേൽ സൂചന പ്രകാരം ,2025-26 അക്കാദമിക് വർഷത്തേക്കുള്ള Value Added Course (VAC) പ്രൊപോസൽ നിശ്ചിത ഫോർമാറ്റിൽ പരിഗണനയ്ക്കും അംഗീകാരത്തിനുമായി സമർപ്പിക്കുന്നു. പ്രസ്തുത പ്രൊപോസൽ അംഗീകരിച്ച ഡിപ്പാർട്ട്മെന്റ് കൗൺസിൽ മീറ്റിങ്ങിന്റെ മിനുട്ട്സും ഇതോടൊപ്പം അയയ്ക്കുന്നു

വിശ്വസ്തയോടെ


 ഒപ്പ്/-

ഡോ.അബൂൾ ഹലീം പി പി
 വകുപ്പ് മേധാവി
Head of the Department
Department of Information Technology
Kannur University
Kannur University Campus P. O.
Mangattuparamba-670 567

ഉള്ളടക്കം: മുകളിൽ സൂചിപ്പിച്ചവ





KANNUR UNIVERSITY

VALUE ADDED COURSE


Name of the Department	Information Technology
Course Name	Hands-on: Smart Systems with IoT
Course Code	
Duration	30 hours
About the course:	This 30-hour intensive course is designed to provide students with a comprehensive understanding of the Internet of Things (IoT), covering fundamentals, hardware, communication protocols, cloud integration, and project development. The course emphasizes hands-on learning, enabling students to design, implement, and demonstrate functional IoT prototypes. In addition to technical aspects, students will gain insights into IoT security and real-world applications across industries.
Course Objectives:	<ol style="list-style-type: none">1. Introduce students to IoT fundamentals and ecosystem.2. Provide hands-on training on microcontrollers (ESP8266).3. Enable students to interface sensors and actuators with IoT devices.4. Familiarize students with IoT communication protocols (MQTT/HTTP).5. Train students to send IoT data to cloud platforms and create dashboards.6. Guide students in developing and presenting IoT mini projects.
Course Outcomes:	By the end of the course, students will be able to: <ul style="list-style-type: none">• Understand IoT architecture, protocols, and ecosystem.• Work with sensors, actuators, and microcontrollers.• Implement IoT communication using MQTT/HTTP.• Integrate IoT systems with cloud platforms for data visualization.• Apply security and privacy principles in IoT design.• Design, build, and present a complete IoT prototype.
Course Content	Module 1: Introduction to IoT & Hardware Platforms <ul style="list-style-type: none">• IoT Fundamentals & Ecosystem• Getting Started with IoT Hardware – ESP8266



	<ul style="list-style-type: none">• Digital & Analog I/O Operations• Hands-on based on module <p>Module 2: Sensors & Actuators Integration</p> <ul style="list-style-type: none">• Working with Common Sensors• Actuator Control• Sensor Fusion Activity• Hands-on based on module <p>Module 3: Networking & Communication</p> <ul style="list-style-type: none">• IoT Communication Basics• Hands-on with MQTT• IoT Data Exchange Demo• Hands-on based on module <p>Module 4: Cloud & Data Visualization</p> <ul style="list-style-type: none">• Introduction to IoT Cloud Platforms• Cloud Integration Hands-on• Data Visualization & Analysis• Hands-on based on module. <p>Module 5: Security and Project Development</p> <ul style="list-style-type: none">• IoT Security & Privacy• Guided Project Discussions• Final Project Development• Final Project Demonstration
<p>Tentative list of resource persons:</p>	<ol style="list-style-type: none">1. Mr. Sreejith R S, Asst. Professor, Department of Agricultural Statistics and Computer Science, College of Agriculture, Kanhangad.2. Mr. Sameen. S. A. P, Technical Assistant, Dept. of IT3. Ms Rishana , Technical Assistant, Dept. of IT

Co-ordinator: Ms. Shylaja. P, Assistant Professor, Department of IT, Kannur University.




Head of the Department
Department of Information Technology
Kannur University
Kannur University Campus P. O.
Mangattuparamba-670 567



Date & Time: 20/11/2025, 3:00 PM

Meeting No: X13

Agenda

1. Approval of the proposal for value added course (VAC) in the academic year 2025 - 26

Members attended

1. Dr Rajkumar K K
2. Dr Sunil Kumar R K
3. Mr Hamras Mohamed
4. Mr Ebin Antony
5. Dr Sheena CV
6. Dr Abdul Haleem P P


Decisions

HOD briefed the DC members that Ms Shylaja P prepared a proposal for VAC for 2025 - 26. The course is titled Hands-on: Smart Systems with IoT. It spans over 30 hours. The course is designed to provide students with a comprehensive understanding of the Internet of Things (IoT), covering fundamentals, hardware, communication protocols, cloud integration, and project development

The DC members unanimously resolved to

- a. approve and forward the proposal for VAC for 2025 - 26 for approval to the Registrar
- b. handover the charge of coordinating the VAC for 2025 - 26 to Ms Shylaja, once the proposal is accepted by the Registrar




Head of the Department
Department of Information Technology
Kannur University HOD IT
Kannur University Campus P. O.
Mangattuparamba-670 562



**INFORMATION TECHNOLOGY EDUCATION CENTRE
THALASSERY CAMPUS, PALAYAD, 670661**

ITEC\TLY\STAFF \2025

21/11/2025

To

The Registrar
Kannur University.

Sir,

Ad	PID	Acad	RD
DPE	KANNUR UNIVERSITY		Fin
SDE	27 NOV 2025		Exam
	No. 25739		
IQAC	PF	LIB	RTI
			DSS

Sub: Forwarding Details VAC 2025 ITEC , Palayad

I hereby forward the details of Value added course offered at ITEC, Palayad in 2025.

Kindly do the needful.

Thank you

Assistant Director

ITEC

Palayad


Assistant Director
Kannur University
IT Education Centre
Palayad, Thalassery



KANNUR UNIVERSITY



ITEC ,Palayad

VALUE ADDED COURSES 2025







Minutes:

Minutes of the meeting of the department council held on 10/11/2025 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. Lahana Hari P 
3. Suja KV 
4. Jisha T 
5. Haseena K 
6. Muhammed Shafi K 

Decision:

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

Name of the Department	ITEC,Palayad
Course Name	1. AI coding and development of Application 2. IOT
Course Code	
Duration	30 h
About the course:	AI Coding and Development of Application Internet of Things and Tiny ML 1. Course Description This course introduces students to practical Artificial Intelligence programming, focusing on building real-world AI applications using Python, machine learning libraries, APIs, and deployment tools.
Course Objectives:	Course Objectives <ul style="list-style-type: none">• Understand AI development workflows• Learn coding skills required for AI models• Build intelligent applications using ML/DL• Use APIs, cloud tools, and frameworks

	<ul style="list-style-type: none"> • Deploy AI models into real systems
Course Outcomes:	<p>Knowledge in AI developments Skill in AI coding Design, prototype, and demonstrate small end-to-end applications for real-world problems</p>
Course Content	<p>Syllabus</p> <p>Module 1: Introduction to AI Application Development</p> <ul style="list-style-type: none"> • What is AI? Types of AI • AI vs ML vs Deep Learning • Real-time AI applications • Python for AI (NumPy, Pandas, Matplotlib) • Data preprocessing • Introduction to Git/GitHub <p>Module 2: Machine Learning Coding</p> <ul style="list-style-type: none"> • Supervised & Unsupervised learning • Algorithms: Linear Regression, KNN, SVM, Decision Tree, Random Forest • Training/Test/Validation • Model evaluation (Accuracy, Precision, Recall, F1) • Implementing ML models using scikit-learn <p>Module 3: Deep Learning & Neural Networks</p> <ul style="list-style-type: none"> • Basics of ANN, CNN, RNN • Activation functions, loss functions • Forward & backward propagation • Building deep learning models using TensorFlow / Keras • Image classification project • Text classification project <p>Module 4: AI Tools, APIs & Automation</p> <ul style="list-style-type: none"> • OpenAI API, HuggingFace API • Computer Vision APIs • Speech-to-Text & Text-to-Speech • Building chatbots • Using LangChain / LLM frameworks • Prompt engineering basics <p>Module 5: AI Application Development</p> <ul style="list-style-type: none"> • Integrating AI models with Flask/FastAPI • Building full-stack AI apps • Using React/HTML for UI (optional) • JSON, REST APIs • AI automation and workflow building <p>Module 6: Deployment & Scaling</p> <ul style="list-style-type: none"> • Saving models (pickle, joblib, ONNX) • Deploying AI apps to <ul style="list-style-type: none"> ○ Streamlit / Gradio ○ HuggingFace Spaces ○ AWS / Azure / Google Cloud • Containerization with Docker • Monitoring model performance

**Tentative list of
resource persons:**

- Mr.Sumesh K,Ai2Gi ,No: D25, MiZone, Mangattuparamba, Kannur, Kerala, 670567
- Sreejith R, Assistant professor, College of Agriculture, Agriculture University
- Mr.Ebin Antony, Assistant professor,Dept of IT
- Sharanya A, ITEC,Palayad
- Sameen SAP , Dept of IT
- Muhammed Shafi K, ITEC,Palayad




Assistant Director
Kannur University
IT Education Centre
Palayad, Thalassery

Module 7: Ethics, Security & Case Studies

- AI ethics, bias & fairness
- Security risks in AI
- Case studies of successful AI apps
- Responsible AI practices

- Introduction to Iot and TinyML
- What is TinyML and why it matters
- ML workflow for edge devices
- Dataset creation (audio, motion, environmental)
- Intro to Google TensorFlow Lite
- ON-device ML basics
- Model optimization (quantization)
- IoT architecture (3-layer, 5-layer models)
- Types of sensors & actuators
- Overview of microcontrollers (Arduino, NodeMCU, ESP32)
- Installing Arduino IDE / MicroPython

Lab:

- Write first program (LED blink)
- Interfacing simple sensors (temperature, light)

Microcontroller Programming

- Introduction to C/C++ for Arduino
- MicroPython for ESP32
- Digital I/O, PWM, Timers
- Interrupts and tasks
- Using libraries for sensors
- Debugging techniques

TinyML Model Training & Deployment
Training ML models (classification, detection)
Converting models to TensorFlow Lite
Deploying to microcontrollers
Using Arduino TinyML libraries
Testing and debugging edge ML models
IoT + TinyML Application Development

5. Reference Books

- Aurélien Géron – *Hands-on Machine Learning with Scikit-Learn, Keras, and TensorFlow*
- François Chollet – *Deep Learning with Python*
- Sebastian Raschka – *Python Machine Learning*
- OpenAI & HuggingFace developer documentation
- Raj Kamal – *Internet of Things: Architecture and Design*
- Vijay Madiseti – *IoT: A Hands-on Approach*
- Arduino & ESP32 online documentation



KANNUR UNIVERSITY
NAAC REACCREDITED WITH B++ Grade
DEPARTMENT OF MALAYALAM
DR. P K RAJAN MEMORIAL CAMPUS
PALATHADAM NILESHWARAM

Dr.Priya Varghese
HOD

mail:hodmalayalam@kannuruniv.ac.in

No.PKPMC/MAL/ VAC/2025

തീയതി:18-12-2025

സമീകർത്താവ്
രജിസ്ട്രാർ,
കണ്ണൂർ സർവകലാശാല
സാർ,

വിഷയം : മലയാളം വകുപ്പ്- വാല്യൂ ആഡഡ് കോഴ്സ് 2025 -26
-പ്രൊപ്പോസൽ പുനസമർപ്പിക്കുന്നത് സംബന്ധിച്ച്
സൂചന: അക്കാദമിക് സെക്ഷനിൽ നിന്നും 17.12.2025 ന് ലഭിച്ച ഇമെയിൽ

മലയാളവിഭാഗം സമർപ്പിച്ച വാല്യൂ ആഡഡ് കോഴ്സ് പ്രൊപ്പോസൽ "2025-26 Documentary Film Making" ൽ ഡീനിൻ്റെ റിമാർക്കുകൾ പരിശോധിച്ച് ആവശ്യമായ ഭേദഗതികൾ വരുത്തി സമർപ്പിക്കാൻ ആവശ്യപ്പെട്ടിരുന്നു. ഭേദഗതികളായി ഡീൻ നിർദ്ദേശിച്ച കാര്യങ്ങൾ ഡിപ്പാർട്ട്മെൻ്റ് കൗൺസിൽ വിശദമായി പരിശോധിക്കുകയുണ്ടായി.

ഡീൻ നിർദ്ദേശിച്ച 5 പ്രമേയങ്ങളിൽ താഴെപ്പറയുന്നവ സമർപ്പിത പ്രൊപ്പോസലിൽ ഉൾപ്പെടുന്നുണ്ട്. വിശദവിവരങ്ങൾ താഴെ നൽകുന്നു.

Role of the filmmaker as observer and interpreter എന്ന നിർദ്ദേശം Module 1 ൽ ഉപശീർഷകം 2 Research and Scripting ൽ ഉൾക്കൊള്ളിക്കാവുന്നതാണ്.

Respect for vulnerable subjects എന്ന നിർദ്ദേശം Module 3 ൽ ഉപശീർഷകം 2 Social impact and Advocacy ൽ ഉൾക്കൊള്ളിക്കാവുന്നതാണ്.

Recognising power imbalance in interview situations എന്ന നിർദ്ദേശം Module 1 ൽ ഉപശീർഷകം 2 Research and Scripting ഉൾക്കൊള്ളിക്കാവുന്നതാണ്.

ഇവയല്ലാത്ത നിർദ്ദേശങ്ങളായ Informed consent: principles and practical procedures, Avoiding manipulation to create false emotional impact എന്നിവ മൊഡ്യൂൾ 1 ന്റെ ഭാഗമാക്കി ഉൾച്ചേർത്തു കൊണ്ട് പ്രൊപ്പോസൽ പുനഃസമർപ്പിക്കുന്നു.

വിശ്വസ്തതയോടെ,

Head
Department of Malayalam
Kannur University
Dr. P. K. Rajan Memorial Campus
Palathadam Nileshwaram-671314

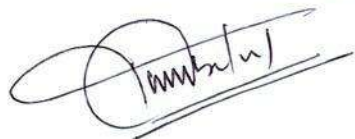
ഉള്ളടക്കം; പ്രൊപ്പോസൽ ,

KANNUR UNIVERSITY
PROPOSAL FOR THE VALUE ADDED COURSE 2025-26

Name of the Department	Department of Malayalam, Dr. P.K. Rajan Memorial Campus, Nileshwar
Course Name	Documentary Film Making
Course Code (will be given by University)	
Duration	30 h
Course Objectives:	<ul style="list-style-type: none"> - Understand the history and evolution of documentary film making. - Learn the principles of documentary film making, including research, scripting, and storytelling. - Develop skills in cinematography, editing, and sound design for documentary films. - Understand the role of documentary films in social change and advocacy, especially women, the marginalized, etc.
Course Content	<p>Module 1: Introduction to Documentary Film Making</p> <p>1. History of documentary film making, Types of documentaries (expository, observational, participatory, etc.), Key concepts and principles of documentary film making</p> <p>2. Research and Scripting Research methods and techniques, Scripting and storytelling, Developing a concept and pitch, Informed consent: principles and practical procedures, Avoiding manipulation to create false emotional impact</p> <p>3. Cinematography Cinematography techniques for documentary films</p>

Dr. P.K. Rajan
 Department of Malayalam
 Kannur University
 Nileshwar Campus
 Nileshwar, Kannur - 671 321

	<p>Know Your Camera, Composition, Lighting – use of natural lighting, other lighting techniques , Variety of Shots, Camera Movements, Use of Drones and other new generation devices</p> <p>4. Sound Design</p> <p>Importance of Audio , Sound design , Voice-over, Sound effects, Use of music components</p> <p>Module 2</p> <p>1. Editing and Post-Production</p> <p>Editing techniques and software</p> <p>Post-production workflow</p> <p>Color grading and visual effects</p> <p>2. Documentary Film Production</p> <p>Pre-production planning and preparation</p> <p>Production techniques and best practices</p> <p>Post-production, Subtitles</p> <p>Module 3</p> <p>1. Rights</p> <p>Royalty, Copy Right and Legal Issues</p> <p>2. Social Impact and Advocacy</p> <p>The role of documentary films in social change and advocacy</p> <p>Case studies of impactful documentaries</p> <p>Screening, Social Media handles</p> <p>Exhibition strategies, including film festival entries.</p>
Tentative list of resource persons:	Balakrishnan Koyyal, Dr. P. Krishnadas
Mode	Hybrid
Course Co-ordinator	Dr. Abdul Rafeek



Dr. Abdul Rafeek
Assistant Professor
Dept. of Malayalam
Kannur University
Dr. P.K.Rajan Memorial Campus
Nileshwar, Kasaragod - 671314




Dr. PRIYA VARCHESE
ASSO. PROFESSOR & HEAD
DEPT. OF MALAYALAM
KANNUR UNIVERSITY
Dr. P.K. RAJAN MEMORIAL CAMPUS
NILESHWAR, KASARAGOD,
KERALA - 671314

Balakrishnan Koyyal

Broadcaster,
Writer,
Folklore & Cultural Scholar,
Documentary Maker & Creative Photographer

Retired as **Head of Kochi Station of All India Radio** after serving stations including Kolkata, Delhi, and Port Blair for over three decades. As a senior media personality, has a wide range of experience in Audio, Visual and Print Media. Has a large number of publications in his credit in Malayalam, English and Hindi. Also writes regularly in periodicals. Few of the books are prescribed by different Universities for Degree and PG level studies.

Has extensively travelled in Indian states, from the mountain regions of Himalayas to the tribal-rich islands of Andamans carrying **out Research and Documentation on Tribal life, Culture and Folklore**. **Presented research papers** in seminars conducted by various Universities and Research Institutions within and outside India, viz. - Hyderabad Central University, University of Kerala, University of Goa, University of Mumbai, University of Kannur, University of Calicut, Malayalam University, Tirur, Sanskrit University, Tirupati, Telugu University, University of Madras, etc.

Last international presentation was at the Annual Conference of the American Folklore Society at **Baltimore, USA** in October 2019.

Contributed as the **Lead Researcher** in exploring the impact of the **Kerala Disasters 2018** on Culture under the study 'Leaving No One Behind: published in 2019 by the Mathrubhumi Group, accredited by the UN.

Scripted and Produced documentaries on a wide range of topics **including Doordarshan productions**. The latest **documentary on Mari Theyyam** was widely acclaimed by Scholars in the field of Folklore.

Conducted individual and group **Photography Exhibitions** at various centres in and outside Kerala.

In addition to bagging **national level recognitions for Radio programmes**, received **UA Khader Award, Chengarapalli Parameswaran Potti Media Award, PT Bhaskara Panickar Media Award, TV Chathukutti Nair Award for Creative Photography**; among other recognitions.

Invited by **Hyderabad Central University as Distinguished Speaker** in 2024, as part of its Jubilee Celebrations. The topic of the session was Documentation of Folklore. Associated with as a **Consultant with Patrick Morell, internationally acclaimed Documentary Maker** on his Documentary on Theyyam, which was screened at prestigious Festivals at Cann, Newyork etc.

Presently functioning as an **Advisory Member of Arts Faculty**, Thunjathezuthachan Malayalam University.

Served as a **Member of Board of Studies, University of Calicut**, Member of high-level committee on Cultural Museum, Govt. of Kerala.

Served as a **Guest Faculty of National Institute of Fashion Technology (NIFT)**.

Presently **Chief Editor of Samayam Magazine**, a literary and cultural magazine published from Kannur.

Major published works:

- 1) Folk Art Forms of Kerala (English-Published by Kerala Folklore Academy, Govt. Of Kerala)
- 2) Theyyam A Culture of Colours (English)
- 3) Reverie - A Collection of Poems in English (contribution).
- 4) Nammude Nadan Kalakal (Published by Kerala Folklore Academy, Govt. Of Kerala)
- 5) Keralathile Kalaroopangal
- 6) Kuttikalude Radio
- 7) Kuttikalude Nadan Kalakal
- 8) Ginjike - on Tribal Culture
- 9) Thullal - Photobook
- 10) Panchuruli Theyyam - Photobook
- 11) Aryapoonkanni Theyyam - Photobook
- 12) Pazhangode: Local History
- 13) Keral Ki Lok-kalayem (Hindi)-The book has been included in the syllabus of BA Hindi of Kannur University.
- 14) MT- Anaswaramaunam (A collection of essays by prominent Malayalam writers on MT Vasudevan Nair -Editor & contributor)
- 15) Ritwik Ghatak - A Centenary Tribute (Editor & Contributor)
- 16) Kuttikalude Theyyam Kathakal

Educational Qualification: Post Graduation in Political Science (University of Kerala); PG Diploma in Journalism & Mass Communication(Kolkata); Certificate in German language (Kolkata).

Languages known: Malayalam, English, Hindi, Bengali, German (Jr.level).

Date of birth: 01-12-1956

Address:

Balakrishnan Koyyal,
Akam, Near Ayanivayal Kulam,
Post Azhikode,
Kannur
Kerala 670009.
Mob: 9446060666
Mail id>koyyalkb@gmail.com<



(Balakrishnan Koyyal)


KANNUR UNIVERSITY

**DEPARTMENT OF ZOOLOGY
MANANTHAVADY CAMPUS**

Edavaka Post, WAYANAD Dt. 670645 Ph: 9048021327

Dr Sheik Mohammed Shamsudeen R
Associate Professor and Head

Minutes of Department Council Meeting held on 21/11/2025

Agenda: Commencement of Value-Added Course in the Department

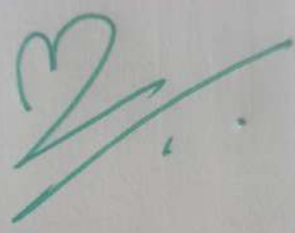
Members Present:

Dr. Sheik Mohammed Shamsudeen-HOD
Dr. Joseph J Erinjery
Dr. Smija MK
Dr Shanasree

The meeting was presided over by Dr. Sheik Mohammed Shamsudeen-HOD who detailed the agenda of the meeting. The members discussed the agenda in detail and resolved the following:

Resolutions:

- The Department Council discussed the decisions taken in the meeting of the Committee constituted to finalize the proposals of /Value Added/Add on Courses and resolved to propose the Certificate Course in Ethnobiology & Traditional Knowledge Systems.
- The council also resolved to approve the syllabus and other particulars mentioned in the Proforma and decided to forward the same to the University for further necessary action.


DR. SHEIK MOHAMMED SHAMSUDEEN R
Head, Dept. of Zoology
KANNUR UNIVERSITY
Mananthavady Campus
Edavaka P.O., Wayanad, Kerala



KANNUR UNIVERSITY

DEPARTMENT OF ZOOLOGY

MANANTHAVADY CAMPUS

Edavaka Post, WAYANAD Dt. 670645 Ph: 9048021327

Name of the Department	Department of Zoology
Course Name	Certificate Course in Ethnobiology & Traditional Knowledge Systems
Duration	30 hours

About the Course: This course provides a foundational understanding of **Ethnobiology & Traditional Knowledge Systems**, focusing on the intricate relationships between humans, plants, animals, and ecosystems. It is particularly useful for students of **Zoology, Botany, and Tribal Studies**, offering a multidisciplinary platform to explore how traditional knowledge systems contribute to biodiversity conservation and sustainable resource use.

Course Objectives

- To introduce students to the fundamental concepts and scope of ethnobiology.
- To equip students with the ability to design, conduct, and interpret small-scale ethnobiological studies.
- To encourage respect for indigenous communities and ethical practices in research.
- To enhance students' capacity to apply ethnobiological insights in biodiversity conservation, policy, and community development

Course Outcomes:

- Explain the core concepts, scope, and significance of ethnobiology in understanding human–nature interactions.
- Identify and document culturally important plants, animals, and ecological resources using standard ethnobiological methods.
- Apply basic biodiversity assessment tools and field techniques relevant to ethnobiological research.
- Analyse traditional ecological knowledge (TEK) and interpret its role in resource use, conservation, and sustainability.

Course Content:

- **Introduction to Ethnobiology**
- **Traditional Ecological Knowledge (TEK)**
- **Research Methods in Ethnobiology**
- **Culture & Ethnomedicine**
- **Ethnoecology & Resource Management**
- **Sustainable Use & Conservation**
- **Quantitative Ethnobiology**
- **Policy, IPR & Emerging Areas**

ETHNOBIOLOGY
VALUE ADDED COURSE
DEPARTMENT OF ZOOLOGY

MODULE I: FOUNDATIONS OF ETHNOBIOLOGY (15 Hours)

Unit 1: Introduction to Ethnobiology (3 hrs)

- Definition, history, scope
- Ethnobotany, Ethnozooology, Ethnoecology
- Global and Indian contributions

Unit 2: Traditional Ecological Knowledge (TEK) (4 hrs)

- Characteristics of TEK
- Indigenous classification systems
- Role in conservation (sacred groves, tribal agroforestry)

Unit 3: Research Methods in Ethnobiology (5 hrs)

- Field study design
- Interview techniques (structured, semi-structured, PRA methods)
- Documentation: voucher specimens, herbarium, ethnographic notes
- Ethics: ISE Code, informed consent, benefit sharing

Unit 4: Culture & Ethnomedicine (3 hrs)

- Plants & animals in culture, rituals, and symbolism
- Folk medicine & healing systems
- Bioprospecting examples

MODULE II: APPLIED ETHNOBIOLOGY (15 Hours)

Unit 1: Ethnoecology & Resource Management (4 hrs)

- Indigenous environmental knowledge
- Traditional agriculture, agroforestry
- Community-based conservation

Unit 2: Sustainable Use & Conservation (4 hrs)

- Wild edible plants and animals
- NTFPs and livelihood
- Threatened ethnobiological resources
- In-situ and ex-situ strategies

Unit 3: Quantitative Ethnobiology (4 hrs)

- Use Value (UV), RFC, ICF, Fidelity Level
- Diversity indices
- Statistical treatment of ethnobiological data

Unit 4: Policy, IPR & Emerging Areas (3 hrs)

- Biological Diversity Act (India), ABS
- TKDL, biopiracy
- Ethnopharmacology, One Health, climate resilience
- Ethno-entomology and ethnonutrition (overview)

RESOURCE PERSONS WHO HANDLED VALUE-ADDED COURSE

Sl.No	Name	Institution
1.	Dr. Sajeeve TV	Chief Scientist, KFRI, Peechi
2	Dr. PK Sumodan	Associate Professor, Dept. of Zoology, Govt. Madapally College
3.	Padmashri. Cheruvayal Raman	Prof. of Practice, University of Calicut
4	Dr. Abdusalam	Sir Syed College, Taliparamba
5	Dr Subrahmanya Prasad	Nehru Arts & Science College, Kanhangad
6	Dr. RSM Shamsudeen	Associate Professor, Dept. of Zoology (HOD)
7	Dr. Joseph	Assistant Professor, Dept. of Zoology
8	Dr. Smija	Assistant Professor, Dept. of Zoology

Total Budget: Rs. 30,000/-

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DEPARTMENT OF ENVIRONMENTAL STUDIES

KANNUR UNIVERSITY

Syllabus

Course Title	Industrial Pollution and Waste Management
Semester	
Course Code	
Course Type	Value Added Course (VAC)
Course Credit	2
Prerequisite	Basic knowledge in Biology, Physical Science and Chemical Science
Course Objectives	<p>The course aims</p> <ul style="list-style-type: none">• To get knowledge on industrial pollutants and industrial waste management• To understand the various control measures to treat industrial pollutants

Module No.	Content	Module Outcome
Module I Industrial wastes and their sources: (12hrs)	<p>1.1 Classification and Sources of Industrial Wastes (4 hours) Types of industrial wastes: solid, liquid, gaseous, hazardous, non-hazardous, Industrial process out puts: by-products, sludge, wastewater, effluents, Common examples of waste-generating industries: textile, tannery, paper & pulp, fertilizer, food processing, Process flow diagrams (PFD).</p> <p>1.2 Characteristics and Environmental Effects (4 hours) Physical parameters: turbidity, solids, color, temperature, Chemical parameters: pH, alkalinity, nutrients, organic matter, metals, Pollution indicators: BOD, COD, DO, TOC, conductivity, Ecological impacts: eutrophication, Soil contamination, thermal pollution, Bioaccumulation & Biomagnification with examples (Hg, As, Cd).</p> <p>1.3 Case Studies of Industrial Pollution (4 hours)</p>	<p>The student will be able to:</p> <ul style="list-style-type: none">• Identify and classify different types of industrial wastes generated from various industrial sectors.• Analyze the physical and chemical characteristics of industrial wastes and interpret environmental indicator values (pH, BOD, COD, DO, TOC, metals, etc.).• Explain the ecological impacts of industrial pollution, including eutrophication, toxicity, soil

	Local/Indian scale: Vellore tannery contamination, Eloor industrial belt (Kerala), International: Minamata mercury poisoning (Japan), Love Canal dumpsite (USA), Importance of industry-specific environmental controls	contamination, bioaccumulation, and biomagnification using real industry case examples.
Module II Industrial wastewater treatment (18 hours)	<p>2.1 Industrial Wastewater Treatment Methods (7 hours) Overview of treatment stages: Primary → Secondary → Tertiary, Primary: Screening, grit removal, equalization, sedimentation, oil/grease removal, Secondary: Activated sludge process, UASB, trickling filters, MBBR, Tertiary/Advanced: coagulation–flocculation, adsorption, membrane filtration (RO, NF), disinfection</p> <p>2.2 Industrial Solid and Hazardous Waste Management (6 hours) Solid waste classification, segregation, and collection, Industrial recycling and reuse strategies; circular resource use, Hazardous waste: identification, handling, transport, storage, Disposal techniques: landfill, incineration, stabilization/solidification, pyrolysis, Regulatory perspective: Indian standards (CPCB), Basel convention (basic awareness)</p> <p>2.3 Industrial Air and Gas Emissions Control (5 hours) Types of emissions: particulates, NO_x, SO₂, VOCs, greenhouse gases, Mechanical control units: cyclone, wet scrubber, bag filters, ESP, Chemical & catalytic approaches to gas treatment, Industrial case examples: thermal plants (fly ash), pharmaceutical emissions, fertilizer plants</p>	<ul style="list-style-type: none"> • Describe and compare major industrial wastewater treatment processes and select suitable methods for different waste types. • Demonstrate understanding of industrial solid and hazardous waste management strategies, including segregation, handling, recycling, disposal, and regulatory standards. • Evaluate air emission control techniques used in industrial units and justify appropriate equipment selection for particulate and gaseous pollutants.

References	<p>Core compulsory reading</p> <ol style="list-style-type: none"> 1. Trivedy, R. K., & Goel, P. K. (1984). Chemical and biological methods for water pollution studies. Environmental publications. 2. Goel, P. K. (2006). Water pollution: causes, effects and control. <i>New Age International</i>. 3. Bhatia, S. C., & Devraj, S. (2017). Pollution control in textile industry. <i>WPI publishing</i>. 4. Datta, M. (1997). Waste disposal in engineered landfills. Narosa, New Delhi. 5. Garg, S. K., & Garg, R. (2010). Water supply engineering. New Delhi: <i>Khanna publishers</i>. 6. Chand, P. (2018). Environmental protection and regulations in India: role of the central pollution control board. <i>Indian Journal of Public Administration</i>, 64(4), 645-663. 7. Metcalf & Eddy, A. E. C. O. M. (2014). Wastewater engineering treatment and resource recovery. McGraw-Hill Education. <p>Core suggested reading</p> <ol style="list-style-type: none"> 8. Alloway, B. J. (Ed.). (2012). Heavy metals in soils: trace metals and metalloids in soils and their bioavailability (Vol. 22). <i>Springer Science & Business Media</i>. 9. Cheremisinoff, N. P. (2003). Handbook of solid waste management and waste minimization technologies. Butterworth-Heinemann. 10. LaGrega, M. D., Buckingham, P. L., & Evans, J. C. (2010). Hazardous waste management. <i>Waveland Press</i>. 11. Asolekar, S. R., & Gopichandran, R. (2005). Preventive Environmental Management. Foundation Books.
Course Outcomes	<p>CO1: Understand and explain the major sources, types, and characteristics of industrial pollutants and wastes.</p> <p>CO2: Identify and analyze the impacts of industrial wastes on ecosystems and human health using standard environmental indicators.</p> <p>CO3: Evaluate various physical, chemical, and biological treatment technologies for industrial wastewater.</p> <p>CO4: Demonstrate knowledge of industrial solid and hazardous waste management strategies and regulatory frameworks.</p> <p>CO5: Apply environmental management principles and pollution mitigation techniques to solve real industrial problems.</p>

ASSESSMENT RUBICS

Teaching Learning Strategies	Direct Instruction, Structured Lectures, Explicit Teaching with examples, Guided problem solving Collaborative Learning, Group discussions on case studies, Brainstorming sessions on industrial disasters, Cooperative environmental projects, Experiential Learning
Components	Field visits (STP, CETP, major industrial units) Demonstrations of BOD/COD/DO/pH testing
End Semester Evaluation	Seminar presentations by students
Continuous Evaluation	Expert talk / invited lectures from industry or CPCB/SPCB Technology-Enabled Learning
• Test papers	Video demonstrations of treatment plants.
• Tutorial with Seminar presentations/Dissemination	
• Assignment	
Mode of Transaction	Lecture Method (Blackboard + PPT), Seminar Method (Student-led presentation), Demonstration Method (Pollution indicators), Field Work (Industrial/municipal treatment unit), Computer-assisted Learning process simulation videos

Sample questions to test outcomes.

1. Differentiate between solid, liquid, and hazardous industrial wastes with suitable examples.
2. Define BOD, COD, and DO. How do they indicate the level of water pollution?
3. Describe the ecological impacts of industrial effluents on aquatic ecosystems.
4. Explain any three biological treatment methods with flow diagrams.
5. Compare and contrast the UASB and activated sludge processes in terms of mechanism and output quality.
6. Describe landfill engineering and stabilization techniques used for industrial hazardous waste.
7. Explain the role of segregation and recycling in industrial solid waste minimization.
8. Discuss the environmental management practices in the textile/tannery industry.
9. Explain the roles of CPCB, SPCB, and Hazardous Wastes Rules (2016) in industrial pollution control.



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SCHOOL OF BEHAVIOURAL SCIENCES

Mangattuparamba Campus, Kannur University,

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KANNUR UNIVERSITY
(Accredited by NAAC with B++)

SBS/HOD/39/2025

22.11.25

From

Head of the Department

To

Registrar
Kannur University

Dear Sir

Sub: Proposal for Value Added Course 2025-26 academic year

Ref: ACAD D5/14984/2023 dated 20.11.2025

Referring to the above, I am herewith attaching the proposal for the value-added course for the 2025-26 academic year

Thanking you

Warm Regards



VAC-2025-26

Reference: ACAD D5/14984/2023

Name of the department	School of Behavioral Sciences
Course name	Academic Writing
Course code	
Duration	30 hours
About the course	Academic writing is very critical and relevant for publications and professional writing. Dissemination of research findings for targeted readers and professional community requires professional presentation of data and outcomes. Academic writing skills enhance quality of formal, objective and evidence-based writing. This course highlights the importance using formal tone, precise language, logical structure, and clear citations, avoiding casual language, personal opinions, and unsupported claims. The course also equips students to use soft wares for managing data and use of digital library resources and provides access to KU resources.
Course objectives	<ul style="list-style-type: none"> • Develop the skills of scientific writing. • Appreciate ethics in scientific writing. • Familiar with the publication process and work on developing the content based on effective criticism.
Course outcomes	<ol style="list-style-type: none"> 1. Explain how research material might be effectively presented 2. Reflect on the ethics in scientific writing 3. Prepare scientific and technical papers of high quality 4. Format documents and presentations to optimize their appeal 5. Effectively use features of Microsoft Word and Microsoft Excel to produce academic materials
Course content	<p>MODULE 1: Introduction to Academic Writing (15 hours)</p> <p>1.1. What is scientific writing and paper?, Historical perspective, Approaching a writing Project, Types of scientific communication, Ethics in scientific publishing 1.2. Reading and Thinking: Searching the scientific literature, Critical reading of scientific report and systematic recording, How not to read, Speed-reading 1.3. How to use the KU library, Using online search engines, What is a refereed journal? 1.4. Plagiarism and how to avoid it, Reading and note-taking</p> <p>MODULE 2: Beginning to Write and Computer Skills in</p>

	<p>Academic Writing (15 hours)</p> <p>2.1 How to prepare a title, Listing authors and address, Abstract, Introduction, Materials and Methods section, Results, Discussion, Conclusion, Acknowledgment and Reference, 2.2 Reference Styles, Reference citations 2.3 Using Reference software EndNote, Mendeley, and Zoter 2.4 Organizing your writing, Preparing outlines and standard formats for scientific papers, research projects and theses, and Creating a literature review, 2.5 How to write a narrative & scoping review, systematic review, and meta-analysis 2.6 Microsoft Word, Formatting (including margins, tabs, indents, justification, etc.), Using the table feature, Creating tables of content 2.7 Microsoft Excel, Creating tables, charts, graphs 2.8 Use of Statistical Software, Journal finding software</p>
Tentative list of resource persons	<ol style="list-style-type: none"> 1. Dr. D. Barani Kanth Professor, Applied psychology, Pondicherry university Mail: bharani.psy@pondiuni.edu.in 2. Prof.(Dr.) AT Francis Professor & Head, Dept. of Library and Information Science, Rajagiri College (Autonomous), Kochi Email-ID : francisaloor@rajagiri.edu 3. Muhammed Najeeb, Assistant Librarian, Kannur University 4. Prof (Dr) Samir Praharaj Professor of Psychiatry Kasturba Medical College MAHE, Manipal – 576104 5. Dr PC Shahul Ameen St Thomas Hospital Kurishumud P.O. Chethipuzha, Kottayam - 686104

Minutes of Department Council meeting held at
~~11~~ 11. am of 21.11.2025

Agenda

1. VAC Course 2025-26 "Disaster Risk Assessment and Mitigation Strategies for the Western Ghats of Kerala" - Approval - reg.

Members Present

1. Jayapal. A

2. Dr. T.K. Prasad

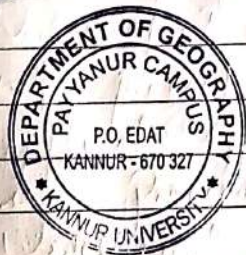
3. Balakrishnan P.

4. Dhanustee. M

5. Jayashree S.

Department Council finalised and approved the proposal of VAC Programme 2025-26 on "Disaster Risk Assessment and Mitigation Strategies for the Western Ghats of Kerala" (30 Hrs). Meeting decided to entrust Dr. T.K. Prasad, (Asso. Prof. Geography) to Co-ordinate the Course.

Meeting Concluded by 11.30 am.



HEAD
 DEPARTMENT OF GEOGRAPHY
 KANNUR UNIVERSITY
 SWAMI ANANDATHEERTHA CAMPUS
 PAYYANUR, P.O. EDAT, KANNUR - 670 327



KANNUR UNIVERSITY

(NAAC Accredited with B++ Grade)

DEPARTMENT OF GEOGRAPHY

Swami Anandatheertha Campus, Payyanur

Edat (P O), Payyanur – 670327. Tel: 04972 806401. e-mail: hodgeography@kannuruniv.ac.in

VALUE ADDED COURSE 2025-26

Name of the Department	DEPARTMENT OF GEOGRAPHY
Course Name	DISASTER RISK ASSESMENT AND MITIGATION STRATEGIES FOR THE WESTERN GHATS OF KERALA
Course Code	
About the course	<p>The mountain chain of the Western Ghats represents geomorphic features of immense importance with unique biophysical and ecological processes. It also has an exceptionally high level of biological diversity and endemism and is recognized as one of the world's eight 'hottest hotspots' of biological diversity. This course provides an in-depth exploration of strategies aimed at enhancing the resilience of slopes of WesternGhat to natural and man-made hazards. Focusing on disaster risk reduction (DRR), the course equips participants with the knowledge and practical skills necessary to assess, manage, and mitigate risks in highlands of Kerala. The course covers a wide range of topics, including hazard identification, vulnerability assessment, risk management strategies, and community-based approaches to disaster preparedness. The course also focuses on the role of geo-spatial technology in DM of Westernghats of Kerala.</p>
Course Objectives	<ul style="list-style-type: none"> • Understand and identify various types of hazards and disasters that affect western ghats • Analyze and apply the Disaster Management Cycle and DRR Structure in real-world scenarios. • Understand the principles of DM with special reference to vulnerable slopes of western Ghat • Assess social vulnerability factors and their impact on disaster preparedness and response. • Examine the application of geospatial technology in DM

Course Outcomes	<p>Upon successful completion of this course, participants will:</p> <ul style="list-style-type: none"> • Be able to identify and categorize hazards and disasters affecting highlands. • Have a clear understanding of the role of social vulnerability in disaster risk and be equipped to address it. • Be knowledgeable about disaster management practices in Kerala and understand emerging challenges in Western Ghats. • Be able to create and implement community-based disaster management plans that are sustainable and inclusive. • Explores the advantages and potentials of GIS and RS in DM in highlands
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Course Content

Module No.	Theme	Duration	Resource Person
1	Climate change : Hazards and Disasters	2.00 Hour	Dr. M.G Manoj Scientist, CUSAT
2	Disaster Management –Principle and practices	3.00 Hours	Dr. Sarun S SSUS, Kalady
3	Geo-spatial technology for Early Warning Systems	3.00 Hours	Suresh Francis KSREC
4	Western Ghat – Geology	2.00 hours	Dr. Brijesh V.K Asso.Professor, Geology MES Ponnani
5	Western Ghat – Ecology	2.00 Hours	Prof. Kunhikrishnan Professor Rtd, University of Kerala
	Western Ghat – Hydrogeomorphology	2.00 Hours	Srikumar Chattopadhyay Scientist CESS
6	Disaster management in Western Ghat and emerging challenges	3.00 Hours	Dr. Sijin Kumar Asso. Prof Geology, University of Kerala
7	Vulnerability Profile of Highlands of Kerala	2.00 Hours	Shri. John Mathai M. Scientist G(Rtd.), NCESS & Senior Consultant
8	Landslide Risk Management Strategy	2.00 Hours	Dr. Sreekumar Regional Coordinator, Geohazards International
9	Landslides and soil Piping Simulation exercise	3.00 Hours	Dr. Girish Gopinath Professor, KUFOS
10	Community Based Disaster	2.00 Hours	Mr. Pradeep G.S.

	Management Plan: Principles and Methods		Hazard and Risk Analyst, KSDMA
11	Climate change : Hazards and Disasters	2.00 Hours	Dr. Abhilash S Asso. Prof. CUSAT
12	Geospatial Technology for Disaster Management	2.00 Hours	Dr. Govindankutty Asst. Prof., Govt. Arts & Science College, Nilambur

KANNUR UNIVERSITY



VALUE ADDED COURSES

Name of the Department	Department of Journalism and Media Studies
Course Name	Applied Public Relations: Strategies and Practices
Course Code	To be given by the university
Duration	30 hours
About the Course	<p>This course equips learners with practical insights into the areas of Public relations, media relations, strategic communication, and crisis management.</p> <p>The course with insights from the industry expert would help students develop skills necessary for functioning as a full-fledged PR professional.</p>
Course Objectives	<ol style="list-style-type: none"> 1. To equip learners with practical skills in media relations, digital communication, and PR campaign execution through hands-on activities. 2. To develop the ability to craft strategic communication materials, manage crises effectively, and function as competent PR professionals in diverse organizational settings.
Course Outcomes:	<ol style="list-style-type: none"> 1. Create and manage key PR materials such as press releases, media pitches, social media content, and campaign briefs. 2. Demonstrate effective media relations skills, including organizing press interactions and communicating with journalists.

	<ol style="list-style-type: none"> 3. Design and execute a basic PR campaign with measurable objectives, timelines, and evaluation metrics. 4. Use digital PR tools for social listening, online reputation management, and influencer engagement. 5. Respond professionally in crisis situations by preparing holding statements, delivering spokesperson messages, and applying crisis communication strategies.
Course content	<p>Module 1: Foundations of Public Relations Module 2: Media Relations & Press Management Module 3: Digital PR & Social Media Communication Module 4: Strategic Communication & Campaign Planning Module 5: Crisis Communication & Public Speaking for PR (6 hours)</p>
Student Intake and Mode of Class	30; online
Resource Person	<p>Ms. Jeesa Sovichen Chennattussery (Vice-President, Clarity Communications, New Delhi)</p> <p>Mr. Padmanabhan E. K. (Kannur Regional Deputy Director of the Information-Public Relations Department)</p>

Detailed Syllabus:

Module 1: Foundations of Public Relations (6 hours)

Introduction to PR: Evolution, scope & current trends, Role of PR in organizations (corporate, government, NGOs, personal branding), Stakeholder mapping and communication models, Ethics, legal considerations, and crisis sensitivity, Relationship between PR, advertising, marketing, and digital media

Hands-on Activities:

Mapping stakeholder groups for a real brand, Short case analysis on ethical dilemmas

Module 2: Media Relations & Press Management (6 hours)

Understanding media ecosystems: print, broadcast, digital, Techniques for building and maintaining media contacts, Crafting press releases, media advisories, and pitch emails, Organizing press conferences, briefings & media kits, Media monitoring and analysis

Hands-on Activities:

Write a press release for a product launch, Create a media pitch email for a specific journalist persona, Simulated press conference (students act as company reps and reporters)

Module 3: Digital PR & Social Media Communication (6 hours)

Digital PR tools & channels, Social media strategy, content planning & scheduling, Online reputation management, Influencer mapping & collaboration strategies, Basics of SEO for PR, Social listening and sentiment analysis tools

Hands-on Activities:

Create a 1-week content plan for a brand's social media, Draft posts for different platforms (Instagram, LinkedIn, X, Facebook), Perform a basic sentiment analysis using free tools, Identify and justify a suitable influencer for a campaign

Module 4: Strategic Communication & Campaign Planning (6 hours)

Elements of a PR campaign (objective, message, tactics, timeline, budget, KPIs), Storytelling techniques for brands and causes, Audience segmentation and communication tone, Event-based PR and experiential PR, Integrated communication planning

Hands-on Activities:

Students work in teams to draft a mini PR campaign proposal, Prepare a key message house for a simulated scenario, Create campaign timelines and KPI sheets

Module 5: Crisis Communication & Public Speaking for PR (6 hours)

What constitutes a PR crisis, Crisis communication models (SCCT, 5C's, etc.), Preparing holding statements & Q&A briefs, Media training basics: body language, framing, messaging, Reputation recovery and post-crisis evaluation

Hands-on Activities:

Crisis simulation: students respond to a breaking crisis scenario, Draft a holding statement & apology note, On-camera mock interviews with feedback, Rapid-fire Q&A practice for spokesperson skills

Reference Materials:

1. Argenti, P. (2016) Corporate Communication. McGraw-Hill.
2. Bosah G., R. Hinson and E. Adae (Eds.). Strategic Public relations in Emerging Economies: Public and Private Sector Perspectives. Springer Nature.
3. Bourne, C. (2022). Public Relations and the Digital: Professional Discourse and Change. Springer Nature
4. Caywood, C.L. (2011). The Handbook of Strategic Public Relations & Integrated Communications. McGraw-Hill
5. Center, A.H. & Jackson, P. (2014). Public Relations Practices: Managerial Case Studies and Problems, Prentice Hall India.
6. Greener, T (2012), Practical PR, BookBoon , 2012
7. Mahoney, J. (2025). Public Relations Writing. London: Routledge.
8. Myers, C. (2021). Public relations history: Theory practice and profession. Routledge.
9. Theaker, A. (2025). Public Relations Handbook. Routledge.

KANNUR UNIVERSITY

School of Legal Studies
Department of Law

Dr. Janaki Ammal Campus Thalassery, Palayad, Kerala, 670661

SLS/1/HOD/2025

06.12.2025

പ്രേഷിത

വകുപ്പ് മേധാവി

സ്കൂൾ ഓഫ് ലീഗൽ സ്റ്റഡീസ്, പാലയാട്

സ്വീകർത്താവ്

രജിസ്ട്രാർ

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Table with columns Ad, PID, Acad, RD, DPE, SDE, IQAC, PF, LIB, RTI, DSS. Contains handwritten text: KANNUR UNIVERSITY, 26737, 10 DEC 2025, No. with a signature.

വിഷയം:- സ്കൂൾ ഓഫ് ലീഗൽ സ്റ്റഡീസ്-VAC 2025-26 പ്രൊപ്പോസൽ സമർപ്പിക്കുന്നത് സംബന്ധിച്ച്.

സൂചന:- 20/11/2025 തീയതിയിലെ നമ്പർ അക്കാഡ് ഡി/ACAD D5/14984/2023 നമ്പർ സർക്കുലർ.

സൂചനയിലേക്ക് ശ്രദ്ധ ക്ഷണിക്കുന്നു. വകുപ്പിൽ നിന്നും നിർദ്ദേശിക്കുന്ന Value added Course ന്റെ പ്രൊപ്പോസൽ, സിലബസ്, ഡിപാർട്ട്മെന്റ് കൗൺസിൽ യോഗത്തിന്റെ മിനിറ്റ്സ് എന്നിവ അനന്തരനടപടികൾക്കായി സമർപ്പിക്കുന്നു.



Handwritten signature and date 06.12.25 for Presannakumari.E.S., Asst. Professor, School of Legal Studies (Dept. of Law), Kannur University, Palayad P.O., Thalassery Campus.

Name of the Department	School of Legal Studies, Department of Law, Palayad
Course Name	Fact Checking and Verification
Course Code	
Duration	30 Hours

Fact Checking and Verification (For LLM Students)

About the Course

The course introduces the concepts, methods, and tools of fact-checking and verification to enhance information integrity in legal, media, and social contexts. It explores the misinformation ecosystem, digital evidence validation, and ethical challenges in the era of AI-generated deepfakes. Designed specifically for LLM students, this value-added course emphasizes the importance of accurate information in law, governance, and justice. It combines theoretical insights with practical training in verification tools and media literacy frameworks.

Course Objectives

- Recognize the problem of misinformation, disinformation, and malinformation in the legal and public domain.
- Understand the legal, ethical, and social implications of fake news and manipulated content.
- Learn practical fact-checking methods for verifying text, visuals, and locations using global verification tools.

- Develop critical media literacy and verification skills relevant to digital law and legal research.
- Explore AI-driven misinformation, deepfakes, and the evolving challenges in regulating digital truth.

Course Outcomes

- Identify various types of misinformation and their potential legal consequences.
- Analyze and verify the authenticity of online content through digital tools.
- Apply media literacy and verification skills in legal research, journalism, and public communication.
- Understand the intersection between misinformation and digital evidence in legal practice.
- Contribute to awareness and advocacy for ethical communication in the digital ecosystem.

Evaluation Scheme

1. Continuous Evaluation (CA): 50 Marks

- Assignment on Misinformation Case Studies (20 Marks): Identify instances of misinformation and analyze them under relevant legal provisions.
- Hands-on Practice / Workshop (15 Marks): Verification of visual and textual misinformation using digital tools.
- Awareness Campaign (15 Marks): Design a short explainer (poster/video/infographic) to create awareness on misinformation and verification.

2. End of Semester Evaluation (EOSE): 50 Marks

- Theory Paper (20 Marks): Short and essay questions covering core concepts, laws, and verification practices.
- Practical Project (30 Marks): Conduct a fact-checking investigation on a legal or public-interest issue, document the process, and prepare a report (1000–1500 words).

Suggested Readings

- The Misinformation Age: How False Beliefs Spread – Cailin O'Connor & James Owen Weatherall
- The Psychology of Fake News: Accepting, Sharing and Correcting Misinformation – Rainer Greifeneder et al.
- India Misinformed: The True Story – Pratik Sinha, Sumaiya Shaikh, and Arjun Sidharth
- Fake News & Cyber Legal Approaches in India – Dr. Pavan Duggal
- Media Literacy: Keys to Interpreting Media Messages – Art Silverblatt, Anubhuti Yadav, Vedabhyas Kundu
- Google Fact-Check Explorer: <https://toolbox.google.com/factcheck>
- International Fact-Checking Network (IFCN): <https://www.poynter.org/ifcn>

Tentative List of Resource Persons

1.. Dheeshma Puzhakkal

Google Initiative and AdiRa AI Trainer.

SYLLABUS –Fact Checking and Verification

1. Module 1: Understanding the Misinformation Ecosystem

- Definition and typologies: Misinformation, Disinformation, and Malinformation
- Legal implications of fake news: Defamation, Hate Speech, and Contempt of Court
- Misinformation ecosystem in India
- The role of media and social media in spreading and countering false information
- National and international fact-checking initiatives (Alt News, BOOM Live, PIB Fact Check, IFCN)

2. Module 2: Verification Tools and Techniques

- Fact-checking visuals and text-based misinformation
- Google Reverse Image Search, TinEye, Yandex, and InVID for verification
- Location verification using Google Earth, Wikimapia, and Street View
- Extracting metadata, timestamps, and EXIF data for validation
- Deepfakes and AI-generated content: Challenges and legal frameworks

3. Module 3: Legal and Ethical Dimensions

- Digital evidence and admissibility under the Indian Evidence Act
- Cyber laws and IT Act provisions on misinformation
- Ethical issues in fact-checking and digital journalism
- Role of law students and professionals in promoting verified communication



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School of Legal Studies

Department of Law

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SLS/1/HOD/2025

18.11.2025

Minutes of the meeting held on 18/11/2025

Members present:

Ms.PresennaKumari.E.S (Asst.Professor)

Najmuthulail.P (Asst.Professor,Daily Wage)

Sheeja J(Asst.Professor,Daily Wage)

Sibi B S(Asst.Professor,Daily Wage)

Shruthi A K Dasan(Asst.Professor,Daily Wage)

Smitha C(Asst.Professor,Daily Wage)

Sneha S Mohan (Asst.Professor,Daily Wage)

Resolution:

Item no.3

- Resolved to send proposal for conducting Value Added Course on Fact Checking and Verification and entrusted the charge of the same to A Aiswarya Lakshmi



18.11.25

for *Presenna Kumari E.S.*

PRESANNAKUMARI.E.S.

Asst. Professor

School of Legal Studies (Dept. of Law)

Kannur University, Palayad P.O.

Thalassery Campus