



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, KALYANI

An Institute of National Importance

(Autonomous Institution under MOE, Govt. of India &
Department of Information Technology & Electronics, Govt. of West Bengal)
WEBEL IT Park, 14, Adivasi Para, Opposite of Kalyani Water Treatment Plant
Near Buddha Park, Dist. Nadia, P.O. Kalyani - 741235, West Bengal.
Email :office@iiitkalyani.ac.in www.iiitkalyani.ac.in

Advt. No. IIITK/Rectt/GF/22-23/F/17

Date: May 25, 2022

ADVERTISEMENT FOR RECRUITMENT OF GUEST FACULTY

Indian Institute of Information Technology, Kalyani invites applications from Indian nationals for recruitment as guest faculty for the following papers in the Autumn Semester commencing from July 18, 2022. Honorarium per hour for the courses will be as per the norms of IIIT Kalyani.

1st Year 1st Semester (CSE and ECE) New Curriculum			
Code	Subject (Theory)	Credit	L-T-P
HUC101	English for Communication	3	3-0-0
HUC102	Humanities – I (Values & Ethics in Profession)	3	3-0-0

2nd Year 3rd Semester (CSE and ECE) New Curriculum			
Code	Subject (Theory)	Credit	L-T-P
HUC301	Humanities - III (Psychology)	3	3-0-0

3rd Year 5th Semester (CSE) Old Curriculum			
Code	Subject (Theory)	Credit	L-T-P
HU 501	Humanities - IV (Organizational Behaviour)	3	3-0-0

3rd Year 5th Semester (CSE) Old Curriculum			
Code	Subject (Sessional)	Credit	L-T-P
HUC511	Soft Skill Development	2	0-0-3

Syllabus

Course Title	: ENGLISH FOR COMMUNICATION
Course Code	: HUC101
Weekly contact	: 3 – 0 – 0 (L – T – P)
Credit	: 3

Writing Skill:

Paragraph Writing, Commercial Correspondence, Précis, Preparing Instruction Manuals, Preparing Proposals, Report Writing, Writing of Dissertation/Thesis, Elements of Grammas and Vocabulary.

Sanjiv
May 25, 2022

Oral communication:

Group Discussion; Extempore Speaking; Presentation Strategies; Interview Preparation.

This course seeks to develop a sense of language through texts drawn from contemporary writings in newspapers, news magazines, reports, etc.

Course Title	: HUMANITIES - I (VALUES & ETHICS IN PROFESSION)
Course Code	: HUC102
Weekly contact	: 3 – 0 – 0 (L – T – P)
Credit	: 3

Introduction

Definition of Science, Technology, Engineering and Ethics. Relationship between the science, technology and Ethics, Different types of Ethics, Dimensions of Ethics, Essence of Ethics, Approaches to Ethical study as Indian Perspective and western perspective, basic concepts of ethics, morality and value, Virtue Ethics, Ethics in public life, ethics in engineering, Ethics in work place. Definition and characteristic of profession.

Effects of Technological growth and various Engineering Activities

Resource Depletion: Club of Rome, Objectives of Club of Rome, Sustainable Development.

Energy Crisis: History, cause and effect, National and international Case studies.

E.f. Schumacher's Appropriate Technology Movement (ATM): Influential factors, advantages and disadvantages of ATM, Case studies National and International.

Environmental Ethics: Pollution, contributions of engineers in eradicating/ reducing pollution, Government's measures

Man-Machine Interaction: Emotional Intelligence and ethics, AI and Ethics, Robotics and Brain Computer interface.

Ethical and Social Responsibilities of an Engineer:

Engineering as Experimentation – Engineers as responsible Experimenters – Safety Engineering- Codes of Ethics – A Balanced Outlook on Law.

Human values and Good Life:

Lessons from the lives and teachings of great leaders, reformers and administrators; role of family, society and educational institutions in inculcating value, , Freedom and discipline, Duties and rights, Contribution of Family in Value education, Contribution of society in inculcating values, Role of educational institutions in inculcating values.

Value crisis in modern day world and a way out- Components of a Good Life- Psychological values, Aesthetic values, Moral and Ethical Values , Material values, Spiritual Values, Social values- Values of Indian Constitution, Democracy, Secularism, Fundamental Rights.

Course Title	: HUMANITIES – III (PSYCHOLOGY)
Course Code	: HU 301
Weekly contact	: 3 – 0 – 0 (L – T – P)
Credit	: 3

Basic psychological processes and development:

Scope and Methods of Psychology – Biological basis of behaviour

Cognitive Processes:

(a) Sensation: attributes of sensation, Psychophysics (Weber – Fechner Law), Methods of Psychophysics

(b) Attention: determinants of attention, fluctuation of attention, selectivity of attention

- (c) Perception: Movement, space, depth and time perception, perceptual organization, Gestalt View

Learning: Conditions of learning:

- (a) Theory of classical conditioning
- (b) Theory of operant conditioning
- (c) Trial and error theory
- (d) Theory of insight learning
- (e) Programmed learning

Memory: Encoding, storage, retrieval:

- (a) Types of memory (STM & LTM, Iconic, Echoic and Procedural)
- (b) Forgetting curve
- (c) Theories of forgetting

Motivation and Emotion:

Physiological and psychological basis of motivation and emotion

- (a) Intrinsic and extrinsic motivation – factors of influencing intrinsic motivation
- (b) Theories of motivation – Maslow, Maclelland
- (c) Theories of emotion – James-Lange Theory, Canon-Bard and Schachter-Singer Theory
- (d) Effects of motivation and emotion on behaviour

Intelligence

- (a) Spearman's two factor theory
- (b) Thurstone's theory
- (c) Guilford's structure of intellect
- (d) Gardner's theory
- (e) Measurement of intelligence – IQ and deviation IQ, Tests of intelligence – Stanford Binet
- (f) Types of intelligence – Social, abstract, concrete, emotional, artificial,
- (g) Gifted and mentally challenged children

Thinking

- (a) Piaget's theory of cognitive development – Problem solving
- (b) Creative thinking – Nature and stages

Application of Psychology in different fields

- (a) Rehabilitation
- (b) Entrepreneurship and economic development
- (c) Psychosocial problems of teenage and old age

Reference Books:

1. Baron, R. & Misra, G. (2013). Psychology. New Delhi: Pearson.
2. Morgan, C.T., King, R.A., Weisz, J.R., & Schopler, J. (2001). Introduction to Psychology (7th Edition), McGraw Hill Book Company.
3. Munn, N. L., Fernald, L. D., & Fernald, P. S. (2007). Introduction to Psychology (5th Edition). A.I.T.B.S Publishers India (ref)
4. Kenneth S. Bordens, Bruce B. Abbott. Research design and methods: a process approach 8th ed.
5. Levinthal, C.F. (2005). Introduction to Physiological Psychology, 3rd Edition, Prentice -Hall of India Pvt. Ltd., New Delhi.
6. Breedlove, S. M., Rosenzweig, M. R., & Watson, N. V. (2007) Biological Psychology: An introduction to behavioral, cognitive, and clinical neuroscience, 5th Edition. Sinauer Associates, Inc., Sunderland, Massachusetts. (Reference Book)

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Course Title	: HUMANITIES - IV (ORGANIZATIONAL BEHAVIOUR)
Course Code	: HU 501
Weekly contact	: 3 – 0 – 0 (L – T – P)
Credit	: 3

Introduction

Historical development; concept of organization; elements of organizational structure; scope of organizational behaviour.

Motivation and job satisfaction

Major theories; content and process; Maslow, Herzberg, Douglas McGregor's theory X and theory Y, Intrinsic and extrinsic motivation; incentive systems: Job satisfaction; concept and determinants.

Leadership

Functions and approaches; trait, behavioural and contingency models; characteristics of successful leaders; role of power in leadership.

Communication

Communication process: types of communication; communication channels and networks; barriers to communication.

Group behaviour and conflict

Defining and classifying groups; stages of group development; concept, causes and consequences of conflicts; methods of conflict-resolution.

References:

1. Luthans, F. (2005). Organizational Behavior (12th Ed.). New York: McGraw Hill.
2. Robbins , S., Judge, T.A., & Sanghi, S.. (2009). Organizational Behavior 13th Ed., Pearson Education.
3. Aamodt, M. G. (2001). Industrial/organizational psychology. New Delhi: Cengage

Course Code	: HU 611
Course Title	: Soft Skill Development
Weekly contact	: 0 – 0 – 3 (L – T – P)
Credit	: 2

Introduction to Soft Skill

Definition and Significance of Soft Skills; Importance, Process, and Measurement of Soft Skill Development.

Discovering/Relocating the Self

Strengths and Limitations; Habits; Goals Setting, Proactive Attitude Development, Faiths Beliefs, Values, Virtue.

Developing Positive Thinking and Driving out Negativity

Developing Self-Esteem and Building Self Confidence, Significance of Self-Discipline.

Motivation

Meaning and Theories of Motivation; Enhancing Motivation Levels.

Interpersonal relations

Communicating Clearly: Understanding and Overcoming barriers communication models, team communication; developing interpersonal relationships through effective communication

Active Listening

Listening is a skill.

Essential formal writing skills; corporate communication styles – Conducting Meetings, Writing Minutes, Sending Memos and Notices; Netiquette: Effective E-mail Communication; Telephone Etiquette; assertion, persuasion, negotiation.

Public Speaking

Skills, Methods, Strategies for effective public speaking.

Practice Tips

Practical in Language Lab

Group Discussion: Importance, Strategies for group discussion: Planning, Elements, Skills assessed; Effectively disagreeing, Initiating, Summarizing and Attaining the Objective.

Practical in Language Lab

Body Language

Introduction, Effective body language building during communication

Practical in Language Lab

Teamwork and Leadership Skills

Concept of Teams; Building effective teams; Concept of Leadership and honing Leadership skills.

Presentation Skills: Introduction, Types, Content, Audience Analysis,

Strategy: Before, During and After

Effect of Adrenalin

Practical at Language Lab

Interview Skills

Introduction, Strategies behind successful Interview

Interviewer and Interviewee – in-depth perspectives. Before, During and After the Interview, Introduction to Emotional Intelligence Skill.

Practical in Language Lab

Time Management

Introduction, Importance and Strategy behind effective time management.

Adverse Effects

Etiquettes and Manners

Introduction to Life Skills

CV Preparation

Introduction Importance and discussions on model CVs according to need of the employers.

Decision Management

Introduction and importance

Software behind Decision Management.

Conflict Management

Introduction and importance

Stress Management

Introduction and importance

Essential Qualification: PhD with first class in the preceding degree

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Guidelines:

1. Application form, essential qualification, and other details can be downloaded from the institute website www.iiitkalyani.ac.in.
2. Soft copy of the application complete in all respect should be sent to recruitment@iiitkalyani.ac.in by 05.06.2022.
3. Subject of email should be "Guest Faculty for (subject)".
4. For each of the qualifications, professional experiences, achievements, etc., documentary proof in the form of self-attested scanned-copies to be attached with the application. The originals must be produced when asked for.
5. Incomplete applications / applications without necessary enclosures may not be accepted.
6. Any misleading wrong information provided by the candidates may lead to summarily rejection of the application, if found subsequently, also the appointment will be cancelled.
7. Mere fulfilment of minimum qualification and experience requirements for the post does not entitle a candidate to be called for interview. The Institute reserves the right to restrict the number of candidates for interview to reasonable limit, on the basis of qualification and experience higher than those prescribed in this advertisement.
8. Persons employed in Government and Semi-Government organizations must submit no-objection from current organization.
9. No interim queries regarding interview / selection process will be entertained.
10. Canvassing in any form will lead to rejection of application form.
11. Decision of the Selection Committee and the Director of IIIT Kalyani with respect to the selection process is final.
12. Legal disputes, if any with IIIT Kalyani are restricted to the jurisdiction of Kalyani Court only.
13. Interviews will be held online. Shortlisted candidates will be notified about the date, time and meeting link separately.

Dr. Anil K. Singh
May 25, 2022

Deputy Registrar
Indian Institute of Information Technology, Kalyani