

JADAVPUR UNIVERSITY
KOLKATA – 700032

Ref. No.

Dated:

The University invites applications from Indian Nationals in the prescribed form for Visiting Faculties to teach the subjects mentioned for each department in the first semester 2015 – 2016 academic session in various departments of Faculty of Engineering and Technology:

List of Subjects Department-wise:

1. Architecture

Class	Subject	Periods / Week
B. Arch. - I	Architectural Graphics-I	3
B. Arch. – I	Basic Design	3+6+6
B. Arch. – I	Design Fundamental	3
B. Arch. - I	Free Hand Drawing	3
B. Arch. - II	Architectural Design-II	4 + 4
B. Arch. – II	Computer Aided Delineation	3
B. Arch. - III	Architectural Construction – III	4
B. Arch. – III	Architectural Design-III	10+10
B. Arch. – III	Computer Programming for Architects	2
B. Arch. – V	Architectural Design-V	8+8+8
B. Arch. – V	Building Economics & Project Management	3
B. Arch. – V	Energy Efficient Building	2+2
B. Arch. – V	Entrepreneurship Development	2+2
B. Arch. – V	Valuation	3
B. Arch. – V	Professional Practice	2
M. Arch. - I	Cybernetics of Visual Perception	3

2. Civil Engineering

Class	Subject	Periods/week
B Arch II	Theory of Structures – I	4
B Arch III	Design of Structures-I	4
BCE II	Computer Lab – I	3+3+3+3+3+3
	Structures Sessional	3+3+3+3+3+3
BCE III	C.E. Design (Conc.)	4+4+4+4+4+4
BCE IV	Concrete Technology	4
	C.E. Project-1 (Conc.)	4+4+4+4+4
MCE	Water Pollution & Control	2
BCE-II (Evening)	Valuation, Pricing & Contract	4
	Computer Programming – II	2+2
	Computer Laboratory – II	4+4
BCE-III (Evening)	Theory of Structures – II	2
	C. E. Design (Conc.)	4
	Survey Practical (Camp) Field Work	3+3+3+3
BCE-IV (Evening)	Theory of Structures – III	4
	Design of Metal Structures – I	2
	C E Design (Metal)	4+4
	Concrete Technology	4
	Construction Management	4
	C E Project – I (Metal)	4

3. Computer Science and Engineering

CLASS	SUBJECT	PERIODS / WEEK
MCA-I	Communicative English	2
B.I.E.E.-I	Numerical Methods and Computer Programming	4
B.I.E.E.-I	Computer Programming Laboratory-I	3

4. Construction Engineering

Class	Subject	Periods / Week	Desirable Qualifications
B. Const. E. - IV	Bridge Engineering	2	Minimum experience of 15 years in design, construction and supervision of Bridge structure with exposure in recent codes in the relevant field. Teaching experience in the relevant subject is desirable.
B. Const. E. - IV	Computer Aided Structural Analysis	4	Professional exposure of at least 8 years in handling software in the area of design of Steel and Concrete structure. Teaching experience in the relevant subject is desirable.
B. Const. E. - IV	Construction Planning and Scheduling	3	Exposure in Construction Management latest software and minimum industrial experience of 15 years. Teaching experience in the relevant subject is desirable.
B. Const. E. - III	Construction Plants and Equipments	2	Minimum industrial experience of 8 years in dealing with construction plants and equipments. Teaching experience in the relevant subject is desirable.
B. Const. E. - III	Structural Design Sessional (Steel)	3	Minimum experience of 15 years in design, construction and supervision of Steel structure with exposure in recent codes in the relevant field. Teaching experience in the relevant subject is desirable.
B. Const. E. - II	Building Services	4	B. Arch with 8 years experience in teaching / industry relevant to the subject.

B. Const. E. - II	Civil Engineering Drawing	3	B.E. Construction / Civil, preferably M.E. with at least 8 years experience in teaching/industry relevant to the subject.
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5. Electrical Engineering

Class	Subject	Periods / Week
B.E.E.-IV	Electrical Laboratory (Control Systems)	4
BCSE-II	Electrical Technology	2+1
BMet.E - II	Electrical Technology	2+1
B.C.E.-I	Basic Electrical & Electronics	1
B.C.E.-IA	Electrical Laboratory	3+3
B.C.E.-IB	Electrical Laboratory	3+3+3
B.Prod.E.-I	Electrical Laboratory	3+3+3+3
B.M.E.-IIA	Electrical Laboratory	3
B.M.E.-IIB	Electrical Laboratory	3+3
B.FTBE-III	Electrical Laboratory	3

6. Electronics and Telecommunications Engineering

CLASS	SUBJECT	PERIODS / WEEK
BETCE-I	Programming Laboratory	3
BETCE-III	Control Engineering Laboratory	3
BME-I	Electronics (Theory)	4
BChE-II	Basic Electrical & Electronics	3
BIEE-II	Electronic Device	4

7. Food Technology and Bio-Chemical Engineering

Class	Subject	Periods / Week
B. FTBE – I	Inorganic & Analytical Chemistry	2 + 2
B. FTBE – I	Physical Chemistry	2+2
B. FTBE – I	Mathematics - I	2+2
B. FTBE – II	Biochemistry & Nutrition II	2
B. FTBE – II	Mathematics - II	2+1

B. FTBE - III	Chemical Engineering Thermodynamics	2+1
B. FTBE - III	Physical Chemistry Lab.	4+4
B. FTBE - IV	Instrumentation & Process Control	2+1
M. Tech. – I	Advanced Biochemical Engineering	2
M. Tech. – I	Agro-Industrial Project Planning & Management	2+1
M. Tech. – I	Dairy Engineering	2

8. Information Technology

Class	Subjects	PERIODS/WEEK
BE IT – I	Mathematics I	3
BE IT – II	Mathematics – III	3
BE IT – II	Computer Architecture	3
BE IT – II	Principles of Communication Engineering	3
BE IT – II	Data Base Management Systems Laboratory	3+3+3+3
BE IT – III	Systems Programming Laboratory	3+3
BE IT – III	Operating System Applications Laboratory	3+3+3+3
BE IT – III	Communicative English Laboratory	3+3
BE IT – IV	Real Time & Embedded Systems	4
BE IT – IV	Modeling & Animation	4
BE IT – IV	Distributed Systems	4
BE IT – IV	Animation Laboratory	4+4
BE IT – IV	Project	3+3
ME SE-I	Information Systems Engineering	3
ME SE – II	Thesis Work	4+4
BIEE – III	Computer Programming Lab. - II	3
B. Tech. IEE - II	Data Structure & OOPS	4
B. Tech. IEE - II	Computer Programming Lab II	3

9. Instrumentation and Electronics Engineering

CLASS	SUBJECT	PERIODS / WEEK
B.I.E.E.-IV	Optical Instruments & Optoelectronics	4
B.I.E.E.-IV	Process Instrumentation Lab.	3
B.I.E.E.-IV	IC Applications Lab.	3
B.I.E.E.-II	Electronic & Instrument Workshop	3+3
B.Tech. IEE – III	Optical Instruments & Optoelectronics	4
B.Tech.IEE-II	Electronic Circuits Lab.	3
B.Tech.IEE-II	Seminar	3
B.Tech. IEE – I	Fundamentals of Instrumentation	4

M.Tech.IEE-I	Instrumentation & Measurement Tech.	3
B.P.E.-II	Electronics	4
B.I.T.-I	Basic Electronics	3
B.P.E.-II	Electronics Lab.	3+3
B.Print.E.-II	Electronics Laboratory	3
B.I.T.-I	Basic Electronics Lab.	6+6

10. Power Engineering

CLASS	SUBJECT	PERIODS / WEEK
B.P.E. – I	Engineering Drawing (Theory)	3+3
B.P.E. – I	Engineering Drawing (Sessional)	3+3
B.P.E. – I	Engg. Mechanics-I	4
B.P.E. – I	Workshop Practice-I	3+3
B.P.E. – II	Workshop Practice–III	3+3+3+3
B.P.E. – II	Materials & Process	3
B.P.E. – III	Microprocessor Lab	3+3
B.P.E. – III	PEE Lab–III (Elect M/C & Meas.)	3
B.P.E. – III	Elect. Measurement & Instrumentation	2
B.P.E.- IV	Pollution Measurement & Control Lab	3+3+3+3
B.P.E. – IV	Transducer Lab	3+3
B.P.E. – IV	Industrial Admin. & Management Science	4
B.P.E. – IV	PP Systems & Material Handling	4
B.P.E. – IV	HIGH PRESSURE UTILITY BOILER	4
B.P.E. – IV	Project I	1
M.P.E.-I	Heat and Mass Transfer	3
M.P.E.-I	Energy Planning Management & Modeling	3
B.I.E.E.-I	Engg. Mechanics-I	4
B.I.E.E.-I	Workshop Practice-I	3+3
B.I.E.E.-I	Engg Drawing-I	3+3
B.I.E.E.-II	Workshop Practice-II	3+3
B.I.E.E.-II	Electrical Engg. Lab-I	3+3
B.I.T.-I	Engg. Mechanics	3
B.I.T.-I	Electrical Circuits	3
B.I.T.-I	Mechanical Workshop	3+3+3+3
B.I.T.-I	Engg Drawing	3+3+3+3

B.Const.E.-I	Engg Mechanics-I	4
B.Const.E.-I	Engg Drawing-I (THEORY)	4+4
B.Const.E.-I	Workshop Practice	3+3
B.Print.E.-I	Engg. Mechanics	3
B.Print.E.-I	Workshop Practice	3+3

11. Printing Engineering

Class	Subject	Periods / Week
B. Print. E. – I	Printing Engineering Drawing	4+4
B. Print. E. – II	Mechanism	3
B. Print. E. – II	Printing Electronics	3
B. Print. E. – III	Engineering Economics	3
B. Print. E. - III	Fluid Mechanics	3
B. Print. E. - IV	Industrial Training	8
M. Tech. – I	Data Analysis and Statistics	3
M. Tech. – I	Multimedia Systems & Communications	3
M. Tech. – I	Radiometry	3
M. Tech. – I	Color in Industry	3

12. Production Engineering

Class	Subject	Periods / Week
B. Prod. E. – III	Design of Engineering System – I	2

13. Pharmaceutical Engineering

Class	Subject	Period
B. Pharm 1 st year	Pharmaceutical Biology I	3
B. Pharm 1 st year	Solid Mechanics	3
B. Pharm 2 nd year	Introduction to Pharmaceutical Engineering	2
B. Pharm 2 nd year	Pharmaceutical Chemistry III	3
B. Pharm 2 nd year	Pharmaceutical Chemistry IV	1
B. Pharm 3 rd year	Pharmaceutical Jurisprudence	2
B. Pharm 4 th year	Pharmaceutics VII	2
M. Pharm 1 st year	Environmental Science (Basic Core Subject)	4
M. Pharm 1 st year	Pharmaceutical Engineering I	2

M. Pharm 1 st year	Pharmaceutics I	2
M. Pharm 1 st year	Microbiology I	2
M. Pharm 1 st year	Biochemistry	2

Class	Subject	Period
B. Pharm 1 st year	Basic Engineering Drawing	3+3
B. Pharm 1 st year	Workshop Machine Shop	3+3
B. Pharm 1 st year	Pharm Biology Practical	2+2+2
B. Pharm 3 rd year	Applied Microbiology	4+4
B. Pharm 3 rd year	Pharmaceutics Lab III	4+4
B. Pharm 4 th year	Pharmaceutics Lab V	4+4
B. Pharm 4 th year	Pharmaceutical Engineering Lab VII	4+4
B. Pharm 4 th year	Pharmaceutical Chemistry Lab V	4+4

Essential and Desirable Qualifications for Guest Faculties in FET department for 1st Semester 2015-2016 academic session:

Essential qualification:

1. Minimum Eligibility Criteria :

a) Master's degree with first class or equivalent at B.E. / B. Arch. / B. Pharm. or M.E./ M. Arch. / M. Pharm in relevant branch of Engineering (Engg.) and Technology (Tech.) / Architecture / Pharmacy.

Note: The Minimum Eligibility Criteria for guest faculties for non-Engineering Subjects:

a) Master's degree with first class or equivalent at bachelors or masters level in relevant branch of study.

Desirable Qualification:

1. Construction Engineering

As mentioned in the document from the department

2. Printing Engineering

Basic Bachelor degree in Printing Engineering and Masters degree in the relevant field of specialization.

Teaching and / or Research Experience in the subjects mentioned will be preferred.

3. Power Engineering

One Year teaching experience in the respective subject.

General Information applicable for all candidates:

1. The appointment will be for the 1st Semester of the 2015-2016 academic session. The responsibility will include taking the classes, the examinations and the evaluation of the answer scripts.

2. Guest faculties will be paid remuneration at the rate of Rs. 300/- per class period.

3. Candidate who are eligible for Assistant Professor post as per UGC guidelines may apply in the prescribed format as given in the University website

http://www.jaduniv.edu.in/upload_files/recruit_data/1392359243-1.pdf

4. Complete application forms (one original and one photocopy of the duly filled-in application form along with all enclosures including self-attested copies of the testimonials are to be submitted in single copy each) have to be submitted to the Information Office on all working days within 11.00 am to 4.00 pm. **The last date of receiving application is 30 June 2015.**

5. Each application must be accompanied by a signed declaration of the subjects the candidates is interested in teaching.

6. No application fee need to be submitted.

7. Upper age limit of applying candidates is 70 years on 01.11.2015.

8. This guest faculty appointment will not create any claim for preference in any subsequent recruitment process.

9. He / She have to work under the concerned Head of the Department.

(Registrar)
Jadavpur University