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JADAVPUR UNIVERSITY

KOLKATA– 700032

INFORMATION BROCHURE for POST-GRADUATE PROGRAMMES (M.E./M.Tech.)

under

FACULTY COUNCIL OF INTERDISCIPLINARY STUDIES, LAW AND MANAGEMENT (FISLM)

Courses are affiliated to

FACULTY COUNCIL OF ENGINEERING & TECHNOLOGY (FET)

for the admission to the SESSION 2015-16

INSTRUCTIONS FOR FILLING-UP THE APPLICATION FORM (ONLINE)

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1. A candidate can apply for M.E./M.Tech. Courses – 2015-16 online through URL **http://admission.jdvu.ac.in** during the period **from 4th May, 2015 to 22nd May, 2015.**

   Candidates are advised to download the Information Brochure and Pay-in-Slip of State Bank of India to deposit Application Fee. **Application fee of Rs.500/- for each course** of study is to be deposited through any branch of State Bank of India by filling up the down-loaded Pay-in-slip. The Journal Number must be legible in the pay-in-slip, and to be used in the Form & other references. The applicants are requested to keep the counterfoil of the deposit slip for future reference. Candidates should carefully read the instructions given in the Information Brochure before filling up the Application Form. **Incomplete application forms are liable to be cancelled.**

2. **Print out of System Generated Online Application Form duly signed by the candidate along with application part of Pay-in-slip duly received by the Bank and one self-attested copies of all mark-sheet of the last qualifying examination and GATE Card (if applicable) must reach to the following address on or <u>before 30th May, 2015</u> by speed post:**

   > **The Secretary,**
   > **Faculty Council of Interdisciplinary Studies, Law and Management,**
   > **Jadavpur University,**
   > **Kolkata – 700032, West Bengal.**

3. Applicants are also requested to keep a photo copy of print out of System Generated Online Application Form for future reference.

4. A list of eligible candidates for admission test will be available on the University website before the schedule date of admission test.

5. Applicants are requested to download their Admit-card (available under application status link) and to bring his/her admit card duly pasting his/her recent photograph with signature in the specified space.

6. If an eligible candidate is unable to print admit card through on-line system he/she may contact the Office of the Faculty Council of Interdisciplinary Studies, Law and Management (1st Floor) at least 3 days before the respective date of admission test along with the print out system generated online Application Form and applicant part of Pay-in Slip.

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7. As per circular No. BC-16014/1/82-SC dt.06/08/1984 & BCD-I, D.O.12017/11/89-SCD(R.CELL) dt.08/01/1990 and letter No. 1510-SCW dt. 31/05/2007 from the Government of West Bengal, Scheduled Caste/ Scheduled Tribe Persons of any State other than West Bengal are not entitled to get benefits of the State for SC/ST in Educational Institutions in West Bengal.

8. **3% PWD (Persons with disabilities) is applicable only in the Self-sponsored Category as a super numeracy intake.**

9. **Candidates are requested to bring the following Attested Documents along with The Original at the time of Admission Test and (Interview if any) and also at the time of Admission to the Course:**

   a) Admit Card and Score Card of GATE/GPAT (if applicable).

   b) Mark-sheets and Certificates from Secondary examination to Undergraduate degree examination in Engineering or to Postgraduate degree examination in Science courses and Admit Card of Admission Test.

   c) SC/ST Certificate issued by the Govt. of West Bengal, PWD (Person with Disability) Certificate and Family Income Certificate issued by the competent authority.

   d) A 'No Objection Certificate' from the employer for the entire course period for Sponsored Category candidates.

   e) Applicants are requested to submit the Bachelor course approval letter of AICTE or UGC-AICTE-DEC Joint Committee at the time of Admission Test/Interview and at the time of Admission from the appropriate authority.

   f) Final year/semester appearing certificate issued by the Principal/Controller of Examinations of the University has to be produced by the candidate.

10. **Candidates should note the following:**

    a) Submit separate Application Form for Separate Course/s through online and obtain separate receipt from S.B.I. with different journal number.

    b) **After publication of 1ˢᵗ Selection List a candidate once takes admission according to 1ˢᵗ Selection List in any course/course with specialization, his/her applications in all other remaining course/s will be automatically cancelled.**

    c) Failure to appear at the Admission Test (and Interview if required) on the specified date will cancel his/her candidature without any further correspondence.

    d) Registration of application or fulfillment of minimum eligibility criteria does not confer any right of the applicant to be called for admission test (and interview if required).

    e) **Submission of application does not confer any right on the applicant for being issued with Admit Card and also for being called for Interview/admission. APPLICATION FEE IS NOT REFUNDABLE UNDER ANY CIRCUMSTANCES.**

f) The Admission Committee reserves the right of not selecting of any candidate who is considered physically unfit or otherwise unsuitable.

g) Total number of seats available in any course shall first be filled up with GATE/GPAT Category (A) and Sponsored Category (B) candidates as per availability of seats in the respective categories as detailed above in Approved Intake List. Thereafter, if vacancies exist, Self-sponsored Category (C) candidates will be considered to fill up such vacancies.

h) All J.U. courses are non-residential. Hostel seats are not guaranteed.

Eligibility for M.E./M.Tech. Couses

Category (A) – GATE/GPAT: Obtained Bachelor's degree in Engg./Tech./Arch. or M.Sc./M.A. as given in the Schedule below with at least 60% marks (45% for SC/ST) or all semesters average grade point 6.75 (5.25 for SC/ST) and qualified through GATE/GPAT, having valid GATE/GPAT Score.

or

Passed Membership/Associate Membership Examination in the appropriate discipline conducted by all professional bodies, like Institution of Engineers (India)/Indian Institute of Architects/Indian Institute of Chemical Engineers/ Institute of Electronics Telecommunication Engineers etc. approved by Govt. of India, with at least 60% marks in aggregate (45% for SC/ST) and qualified through GATE are eligible for admission to Post-Graduate (PG) courses in Engg./Tech. as GATE category candidates.

Category (B) – Sponsored: Obtained Bachelor's degree in Engg./Tech./Arch. or M.Sc. as given in the Schedule below with at least 60% marks (45% for SC/ST) & minimum 1 (one) year experience after Bachelor's degree duly sponsored by Industry / Institute/ Govt. Depts. Relevant experience shall be counted upto last date of application and Pay-slip/Form-16 shall be submitted at the time of Admission Test.

Category (C) – Self-Sponsored: Obtained Bachelor's degree in Engg./Tech./Arch. or M.Sc./M.A. as given in the Schedule below with at least 60% marks (45% for SC/ST/PWD) or all semesters average grade point 6.75 (5.25 for SC/ST/PWD). As per Govt. of India rules 3% PWD (Persons with disabilities) seats is applicable as supernumerary.

However, candidates who have appeared/are due to appear at the qualifying examinations (B.E./B.Tech./B.Arch./B.Pharm./M.Sc./AMIETE/ AMIE Sec. A & B / AIIA), may also apply. If selected, candidate may be admitted provided they submit their all passed mark-sheet up to 7th Semester (9th Semester in case of Architecture) of the qualifying examination with required percentage of marks at the time of admission test. If the final result is awaited on the date of interview such selected candidate shall have to submit the mark sheet of the qualifying examination within 3 months from the date of commencement of 1st semester classes failing which or if the candidate is found to be not eligible in terms of percentage of marks obtained, his/her provisional admission will be cancelled.

# I.	4-Semester (2-years) Courses (AICTE Approved):

Offered by the School	Name of the Course and **Field of Specialization**	M.E./ M.Tech.	Bachelor's Degree required in
1) School of Material Science & Technology	Nano Science & Technology	M.Tech.	B.E./B.Tech. in Civil/Electrical/Electronics/ Mechanical/Ceramic/Metallurgical/Chemical/ Production/Power/Printing Engg./Tech. **or** M.Sc. in Physics/Chemistry/Electronics/ Instrumentation Sc.
2) School of Education Technology	Courseware Engineering (IT)	M.Tech.	B.E./B.Tech. in any discipline **or** equivalent **or** M.Sc. in Physics/Mathematics/ Electronics/Computer Sc./Information Tech.
3) School of Water Resources Engineering	Water Resources & Hydraulic Engineering	M.E.	B.E./B.Tech. in Civil/Mechanical/ Agriculture/Chemical/Electrical/Power/ Production Engg./Tech. **or** M.Sc.(Tech.) in Geology
4) School of Mobile Computing & Communication	Distributed & Mobile Computing	M.Tech.	B.E./B.Tech. in Computer Sc. & Engg./ Information Tech./Electronics & Tele-Comm. Engg. **or** MCA **or** M.Sc. in Computer Sc./ Electronics Sc.
5) School of Nuclear Studies & Application	Nuclear Engineering	M.E.	B.E./B.Tech. in Mechanical/Electrical/ Power/Electronics/Instrumentation/ Metallurgy & Material Sc./Chemical Engg./Tech. **or** its equivalent
6) School of Environmental Studies	Environmental Biotechnology	M.Tech.	B.Tech. in Biotechnology /Civil Engg./ Chemical Engg / Food Tech. & Biochemical Engg. **or** Bachelor in Pharmacy **or** 2-year M.Sc. in Environmental Sc./Biotechnology/ Physics/Chemistry/Mathematics/Geology. All Science candidates should have Mathematics in U.G. level.
7) School of Laser Science & Engineering	Laser Technology	M.Tech.	B.E./B.Tech. in Mechanical/Production/ Material/Metallurgical/Chemical/Power/ Automotive/Electrical/Electronics Engg/ Tech. **or** M.Sc. in Optoelectronics/Computer Sc. & Engg./ Industrial Engg **o**r M.Sc. in Physics/Electronics **or** any other relevant/ equivalent discipline.

II.   4-Semester (2-years) Courses (UGC Approved):

Offered by the School	Name of the Course and **Field of Specialization**	M.E./ M.Tech.	Bachelor's Degree required in
1) School of Energy Studies	Energy Science & Technology	M.Tech.	B.E./B.Tech. in any discipline **or** M.Sc. in Physics/Chemistry/Bio-Chemistry/ Geology with Mathematics as the subsidiary paper in the Bachelor Degree **or** M.Sc. in Applied Mathematics with Physics and Chemistry at the Bachelor level **or** M.A. in Economics with Physics and Mathematics as the subsidiary subjects in the Bachelor level
2) School of Bio Science & Engineering	Biomedical Engineering	M.E.	B.E./B.Tech. in any discipline **or** Bachelor of Pharmacy (with Basic Engg. subjects) **or** equivalent
3) School of Education Technology	Multimedia Development	M.M.D. (Master in Multimedia Development)	B.E. in any discipline or equivalent **or** MCA **or** Master of Sc. **or** Master of Commerce **or** Master of Arts in any discipline

III.   6-Semester (3-years) Evening Courses (AICTE Approved):

Offered by the School	Name of the Course and **Field of Specialization**	M.E./ M.Tech.	Bachelor's Degree required in
1) School of Water Resources Engineering	Water Resources & Hydraulic Engineering	M.E.	In-service Engineers from Industry/ Institute/Govt. Dept. with B.E./B.Tech. in Civil /Mechanical/Agriculture/Chemical/Electrical/ Power/Production Engg./Tech. **or** M.Sc.(Tech.) in Geology
2) School of Illumination Science, Engineering & Design	Illumination Technology & Design	M.Tech.	B.E./B.Tech. in any discipline **or** B.Arch. **or** M.Sc. in Physics/Electronics/Computer Sc. and employed or self-employed professional. Except Pharmacy.

Availability of Scholarship: Subject to Release of Fund by UGC/AICTE or Other Funding Agencies.

UGC/AICTE approved Intake & Semester Fees for PG (GATE) Courses:

Sl. No.	M.E./M.Tech. Courses	GATE			*SP / SSP#	Tuition Fees per Semester			
		*Gen	SC	ST		GATE (Rs.)	SSP (Rs.)	SP (Rs.)	Funding Authority for PG GATE Scholarship
1	Energy Science & Technology	7	2	1	3	2400/-	2400/-	24000/-	UGC
2	Biomedical Engineering & Science	3	1	1	6	2400/-	2400/-	24000/-	UGC
3	Water Resources & Hydraulic Engineering (4-Semester)	10	2	1	5	2400/-	2400/-	24000/-	AICTE
4	Courseware Engineering (I.T.)	10	2	1	5	12000/-	12000/-	30000/-	AICTE
5	Nano Science & Technology	10	2	1	5	12000/-	12000/-	30000/-	AICTE
6	Distributed & Mobile Computing	9	2	1	3	18000/-	18000/-	30000/-	AICTE
7	Nuclear Engineering	10	2	1	5	12000/-	12000/-	30000/-	AICTE

* Gen: General, SP: Sponsored, SSP: Self-Sponsored
#Please see the instruction no. 10(g) in page-3.

AICTE approved Intake & Semester Fees for PG (Non GATE) Courses:

Sl. No.	M.E./M.Tech. Courses	SSP			SP	Tuition Fees per Semester	
		Gen	SC	ST		SSP (Rs.)	SP (Rs.)
1	Environmental Biotechnology	7	2	1	0	24000/-	30000/-
2	Laser Technology	7	2	1	0	24000/-	30000/-
3	Illumination Technology & Design (6-Semester)	10	2	1	5	24000/-	30000/-
4	Water Resources & Hydraulic Engineering (6-Semester)	10	2	1	5	24000/-	30000/-

However, Self-sponsored candidates having GATE Score may apply for AICTE Scholarship as and when advertisement is issued by AICTE.

UGC approved Intake & Semester Fees for Other PG (Non GATE) Course:

Sl. No.	Other Courses	SSP			SP	Tuition Fees per Semester	
		Gen	SC	ST		SSP (Rs.)	SP (Rs.)
1	Multimedia Development	16	5	1	3	12000/-	30000/-

Selection Norms for Admission in:

4-Semester M.E./M.Tech.

(A)   **GATE/GPAT Candidates :**

GATE/GPAT Score   **70%**

Admission Test (and Interview if required)   **30%**

No admission test will be conducted for GATE candidates for only in the M. Tech in Courseware Engineering (IT)

(B)   **Sponsored Candidates :**

At least 1 year of relevant experience after obtaining the U.G. Engg. Degree / M.Sc. degree is essential.

Qualifying Examination Result   **40%**
(B.E./B.Tech./B.Arch./B.Pharm./M.Sc.)

Admission Test (and Interview if required)   **50%**

1 mark per year of relevant experience to the maximum of   **10%**

(C)   **Self-Sponsored Candidates :**

Qualifying Examination Result   **50%**
(B.E./B.Tech./B.Arch./B.Pharm./M.Sc.)
{or up to 4th yr. 1st Semester results / 5th year 1st semester in case of Architecture will be considered for the those candidates whose final results are awaiting.}

Admission Test (and Interview if required)   **50%**

(D)   **Appeared/due to be appeared candidate must submit Xerox copies of the qualifying examination mark-sheet up to 7th semester (9th semester in case of Architecture) at the time of application and admission test.**

GENERAL NOTE: (i) Total number of seats available in any course shall first be filled up with GATE/GPAT Category (A) and Sponsored Category (B) candidates as per availability of seats in the respective categories as detailed above in Approved Intake List. Thereafter, if vacancies exist, Self-Sponsored Category (C) candidates may be considered to fill up such vacancies. If vacancies exist in Sponsored Category (B), then vacancies will be filled by Self-Sponsored category only.

(ii) Selection procedure of **6-Semester (Evening) M.E./M.Tech**. courses will follow Category of (B) or (C) as stated above.

Schedule of Different Stages of Admission to M.E./M.Tech. Courses

The following schedule to be maintained regarding receipt, processing of applications and admission test (and interview if required) of the candidates for admission to M.E./M.Tech. Courses in 2015-16 sessions:

A)	PG Application Form will be submitted through On-Line On and from	**04/05/2015**
B)	Last date of online Registration	**22/05/2015**
C)	Last date of online submission of Application Form	**25/05/2015**
D)	Last date of receipt of online System Generated Application Forms in print	**30/05/2015**
E)	Applicants are requested to download their Admit-card (available under application status link) and to bring his/her admit card duly pasting his/her recent photograph with signature in the specified space at time of admission test (and interview if required).	

Schedule for Admission Test (and Interview if required) 2015-16 Session

Sl. No.	Name of the Course	Entrance Test on	Time	Venue	Result to be published on (Tentatively)
1	Nano Science & Technology	17.06.2015	11.00 am	Main Campus	22.06.2015
2	Distributed & Mobile Computing	22.06.2015	- do -	**Salt Lake Campus**	25.06.2015
3	Nuclear Engineering	17.06.2015	- do -	**Salt Lake Campus**	24.06.2015
4	Water Resources & Hydraulic Engineering (**4-Sem. - Day**)	18.06.2015	- do -	Main Campus	23.06.2015
5	Water Resources & Hydraulic Engineering (**6-Sem.-Evening**)	- do -	- do -	Main Campus	- do -
6	Energy Science & Technology	13.06.2015	- do -	Main	16.06.2015

Sl. No.	Name of the Course	Entrance Test on	Time	Venue	Result to be published on (Tentatively)
				Campus	
7	Laser Technology	12.06.2015	- do -	Main Campus	22.06.2015
8	Courseware Engineering (I.T.)	23.06.2015	- do -	Main Campus	26.06.2015
9	Illumination Technology & Design (**6-Sem. – Evening**)	22.06.2015	- do -	Main Campus	26.06.2015
10	Multi Media Development	25.06.2015	- do -	Main Campus	26.06.2015
11	Biomedical Engineering	18.06.2015	- do -	Main Campus	22.06.2015
12	Environmental Biotechnology	16.06.2015	- do -	Main Campus	22.06.2015

F) **Once a candidate takes admission in any course, his/her applications in all other courses will be automatically cancelled after 1st selection list of final admission.**

G) The selected candidates of the **First (1st) Selection List** have to take admission in one Course positively **from 29.06.2015 to 01.07.2015** at the Office of the **Faculty Council of Interdisciplinary Studies, Law and Management (Opposite JU Press) from 11-00 am to 1-30 pm** (**except Saturday, Sunday & holidays**). If a candidate fails to take admission within the above dates his/her selection will be cancelled without further notice.

H) **Second (2nd) Phase of Selection List** of each course will be displayed on the University website by **03.07.2015 from the 1st Wait Listed Candidates**.

I) **Second (2nd) Phase of admission from 2nd Selection List** has to take admission **from 06.07.2015 to 07.07.2015** at the Office of the **Faculty Council of Interdisciplinary Studies, Law and Management from 11-00 am to 1-30 pm** (**except Saturday, Sunday & holidays**). If a candidate fails to take admission within the above dates, his/her selection will be cancelled without further notice.

J) **Third (3rd) Phase of Selection List** will be displayed on the University website by **10.07.2015 from 2nd Wait Listed Candidates**.

K) **Third (3rd) Phase of admission from 3rd Selection List** has to take admission **from 13.07.2015 to 14.07.2015** at the Office of the **Faculty Council of Interdisciplinary Studies, Law and Management from 11-00 am to 1-30 pm (except Saturday, Sunday & holidays)**. If a candidate fails to take admission within the above dates, his/her selection will be cancelled without further notice.

L) M.E./M.Tech. Admission process will be closed after admission from Third (3rd) Selection List.

M) **First Semester Classes will commence from 15th July, 2015 (tentatively).**

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