

**Application for recognition of HEI/Programmes under open and distance learning mode  
UGC(ODL) regulations, 2018**

**Index**

<u>Details</u>	<u>Page no</u>
1. Printout of the online application	1-15
2. Rules of the university	16-42
3. Approval of the UGC/MHRD	43-45
4. Notification regarding establishment of Centre	46
5. NAAC accreditation certificate	47
6. Academic planner for 2018-19	48-55
7. Approval of statutory body for PPR	56-63
8. Approval of SLM	64-69
9. Faculty (Teaching staff) details	70
10. Affidavit	71-72
11. Copy of PPR	73-75





**DISTANCE EDUCATION BUREAU**  
A Bureau of University Grants Commission (UGC)

| Logout

---

## APPLICATION FOR RECOGNITION OF HEI / PROGRAMMES UNDER OPEN AND DISTANCE LEARNING MODE UGC (ODL) REGULATIONS, 2018

Academic session beginning July, 2018

### Part A

---

## Higher Educational Institutions Details

Registration ID :	DEB/DEL/18/2017/151
Name of the Higher Educational institution :	TERI SCHOOL OF ADVANCED STUDIES
Address :	10, INSTITUTIONAL AREA VASANT KUNJ NEW DELHI
Tel :	911171800222
Email :	PRADEEP.PADHY@TERIUNIVERSITY.AC.IN
State :	DELHI
Fax :	911126122874
Official Website of HEI :	WWW.TERISAS.AC.IN
Name of the Vice Chancellor :	DR. LEENA SRIVASTAVA
Name of the Pro Vice Chancellor/Rector(if any):	DR. RAJIV SETH
Name of the Registrar	CAPT. PRADEEP K PADHY
Name of the Department/School/Centre of Distance Education :	CENTRE FOR DISTANCE EDUCATION
Address of the Department/School/Centre of Distance Education:	10 INSTITUTIONAL AREA VASANT KUNJ, NEW DELHI
Tel of the Department/School/Centre of Distance Education:	911171800222
Email of the Department/School/Centre of Distance Education:	REGISTRAR@TERISAS.AC.IN
Fax of the Department/School/Centre of Distance Education:	911126122874
Official website for distance education, if any :	WWW.TERISAS.AC.IN
Name of Director/Head of Department/Head of School/Centre of Distance Education :	DR JAMI HUSSAIN
Designation :	PROFESSOR
Mobile No. :	9717396375
Type of HEI :	DEEMED
Year of establishment of HEI :	Year : 1999 Month: 1
Recognition status of the HEI as per UGC Act, 1956:	SECTION 3
Is HEI also recognized under 12 (B):	NO
Whether accredited by NAAC? :	YES
Year of assessment of NAAC :	2013
NAAC CGPA Score :	3.260
NAAC Accreditation valid upto :	2018
Whether valid for the academic year 2018-19 :	YES
Whether HEI is ready or has already applied for NAAC assessment:	YES
State if NAAC is not applicable at present (For SOUs &	YES

TABLE 1.1

Academic Year Planner [Programmes under yearly system]:

Sr.No.	Name of the Activity	Tentative months schedule (specify months) during Year	
		From(Month)	To(Month)
1.	Admission	NIL	NIL
2.	Distribution of SLM	NIL	NIL
3.	Contact Programmes(counselling, Practicals,etc.)	NIL	NIL
4.	Assignment Submission (if any)	NIL	NIL
5.	Evaluation of Assignment	NIL	NIL
6.	Examination	NIL	NIL
7.	Declaration of Result	NIL	NIL

TABLE 1.2

Academic Year Planner [Programmes under Semester System]:

Sr.No.	Name of the Activity	July		January	
		From	To	From	To
1.	Admission	MAR	JUL	OCT	DEC
2.	Distribution of SLM	AUG	DEC	FEB	JUN
3.	Contact Programmes(counselling, Practicals,etc.)	AUG	DEC	FEB	JUN
4.	Assignment Submission (if any)	AUG	DEC	FEB	JUN
5.	Evaluation of Assignment	JAN	JAN	AUG	AUG
6.	Examination	DEC	DEC	JUN	JUN
7.	Declaration of Result	JAN	JAN	JUL	JUL

TABLE 1.3

TOTAL BUILT UP AREA EXCLUSIVELY FOR OPEN AND DISTANCE LEARNING (MINIMUM 15000 SQ):

Built-up Area Type	Minimum Built up area required as per Regulations	Built-Up Area available(Carpet Area Sq. ft)	Difference
Academic	7500	7652.91	-152.91
Administrative	1500	3489.97	-1989.97
Academic support such as Library, Reading Room, Computer Centre, Information and Communication technology labs, Video and Audio Labs etc.	4500	4596.07	-96.06999999999997
Amenities or other support facilities(Excluding toilets)	1500	2975.35	-1475.35
<b>Total built-up area for ODL activities</b>	<b>15000</b>	<b>18714.3</b>	<b>-3714.3</b>

TABLE 1.4

DETAILS OF STUDENTS ENROLLED AND PASSED UNDER ODL MODE :

Academic year	Particular	UG Degree	PG Degree
2017-18	No. of students enrolled	0	156
	No. of students passed	0	0
2016-17	No. of students enrolled	0	142
	No. of students passed	0	0
2015-16	No. of students enrolled	0	132
	No. of students passed	0	56

TABLE 1.5(Proposed Programme details for Distance Education)

SrNo.	Name of Programme proposed to be offered from July, 2018 onward	Whether as per UGC Degree specification 2014(Y/N)	Minimum Duration of programmes (years)	Type of Programme: Professional or General	Whether SLM prepared for complete programme	Whether offered under Regular mode
1	ADVANCED PG DIPLOMA IN RENEWABLE ENERGY	NO	2	PROFESSIONAL	YES	NO
2	PG DIPLOMA IN RENEWABLE ENERGY	NO	1	PROFESSIONAL	YES	NO

TABLE 1.6(Regional Centre details)

SrNo.	Name & Address of Regional Centre	HEI Association with RC (Owned, maintained etc.)	Name and Contact Details of Coordinator/Counsellor	Qualification of Coordinator/Counsellor at RC	No. of Counsellor at RC	No. of LSC covered under RC
1	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	0	0

TABLE 1.7(Learner Support Centre (LSC) details)

SrNo.	Name & Address of College/institute (where LSC is established):	Name of HEI to which College/institute is affiliated (where LSC is established)	Whether the College/institute is private or Govt.(where LSC is established)	Name and Contact Details of Coordinator/counsellor	Qualification of Coordinator/Counsellor	No. of Counsellor
1	TERI SCHOOL OF ADVANCED STUDIES, 10 INSTITUTIONAL AREA, VASANT KUNJ, NEW DELHI-110070	SELF OWNED AND MAINTAINED	NA	MR. SAPAN THAPAR	MASTER OF TECHNOLOGY	

TABLE 1.8(Staff Details)

## ACADEMIC STAFF FOR ODL PROGRAMMES:

Type of Staff	Number of officials on full time and dedicated basis	No. of official exclusively for ODL	No. of temporary staff
Director	1	1	0
Associate Professor	1	1	0
Assistant Professor	1	1	0
Any other (Please specify)NA	0	0	0

**TABLE 1.9(Administrative staff)****ADMINISTRATIVE STAFF FOR ODL PROGRAMMES:**

Type of Staff	Number of officials	No. of official exclusively for ODL	No. of temporary staff
Deputy Registrar	1	1	0
Assistant Registrar	1	1	0
Section Officer	0	0	0
Assistants	1	1	0
Computer Operators	1	1	0
Class-IV/Multi Tasking Staff	2	2	0
Technical / Professional	0	0	0
Any other (Please specify) NA	0	0	0

**TABLE 1.10(Examination Centre)****A). PROPOSED EXAMINATION CENTRE FOR TERM END EXAMINATION FOR ODL PROGRAMME FOR UPCOMING ACADEMIC YEARS :**

Sr No.	Preparedness Status	YES/NO
(i)	Whether examination centre is within the territorial jurisdiction of the HEI as per Annexure IV of ODL Regulations	YES
(ii)	Whether the examination centre is located as per clause 13 (7) of Part IV of Regulations	YES
(iii)	Provision of CCTV Cameras	YES
(iv)	Provision of Bio-metric attendance	NO
(v)	Provision of Video recording	YES

**Activities for Examination****B). ACTIVITIES FOR EXAMINATION :**

Sr No.	Activity	By the HEI/Outsider Agency/ Both
(i)	Paper setting	BY THE HEI
(ii)	Conduct of examination	BY THE HEI
(iii)	Evaluation of answer sheets	BY THE HEI
(iv)	Declaration of results	BY THE HEI
(v)	If any other , specify NA	NA



## Other Information

TABLE 1.11(COMPUTERIZATION/DIGITIZATION STATUS OF THE FOLLOWING ACTIVITIES):

Sr No.	Activities	Yes or No
(i)	Student registration/Admission	YES
(ii)	Administration	YES
(iii)	Finance	YES
(iv)	Academic activities	YES
(v)	Student Support System	YES
(vi)	Continuous Evaluation	YES
(vii)	Online support	YES

TABLE 1.12(Details of full time dedicated Help Desk for ODL mode Student)

(i)	Help Desk Address	10, INSTITUTIONAL AREA VASANT KUNJ NEW DELHI
(ii)	Name of Contact Person	MR. SUSHIL KUMAR
(iii)	Designation	PROGRAMME ASSISTANT
(i)	Phone no.	0117180022
(i)	Email Id	SUSHIL.KUMAR@TERISAS.AC.IN
(i)	Contact hours for Help Desk	9 AM TO 5 PM ON WEEKDAYS

TABLE 1.13(Status of a Court case(s) pertaining to (if any) filed by the HEI or any Institution or body related to the HEI offering Open and Distance Education wherein UGC has been made a party)

W.P.No	Court/Jurisdiction	Status as on date
NIL	NIL	NIL

## Part B

Sr No.	Name of Programme
1	ADVANCED PG DIPLOMA IN RENEWABLE ENERGY
2	PG DIPLOMA IN RENEWABLE ENERGY

**NAME OF THE PROGRAMME : ADVANCED PG DIPLOMA IN  
RENEWABLE ENERGY**

## Details of the Programme Proposed to Be Offered Through Open & Distance

### Learning Mode

Name of the Programme :	ADVANCED PG DIPLOMA IN RENEWABLE ENERGY
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	CENTRE FOR DISTANCE EDUCATION
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	3
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	3
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	1
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	1
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	NO
since when :	
Whether Choice Based Credit System (CBCS) is being	NO

**Details of students under the Proposed Programme**

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	100	48	0
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	100	72	0
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	100	79	26

**Mode of evaluation for the proposed programme under distance mode**

	Yes or No	Weightage in overall assessment
Assignments	YES	25
Practicals	NO	0
Project	YES	5
Term End Exam	YES	70

**Mode of delivery of SLM/SIM (State Yes or No)**

Printed material	E-content	Audio/Video	Online Mode
YES	YES	YES	YES

**NAME OF THE PROGRAMME : PG DIPLOMA IN RENEWABLE  
ENERGY**

## Details of the Programme Proposed to Be Offered Through Open & Distance

### Learning Mode

Name of the Programme :	PG DIPLOMA IN RENEWABLE ENERGY
Whether nomenclature of proposed Programme is as per UGC norms :	YES
Whether duration of the proposed Programme is as per UGC norms :	YES
Whether minimum eligibility criteria for admission in the proposed Programme is as per UGC norms. :	YES
Name of the Department :	CENTRE FOR DISTANCE EDUCATION
Whether complete SLM prepared for full Programme :	YES
Whether SLM approved by Statutory bodies of HEI :	YES
Whether Program Project Report (PPR) prepared for the Programme and approved as per clause 11(2)&(3) of Part III of Regulations :	YES
Upload Document :	<a href="#">View Document</a>
Whether approval obtained from concerned Regulatory Authority, such as AICTE, NCTE etc. for offering the proposed Programme through distance mode. If yes, specify authority and give details :	NO
Upload Document :	<a href="#">View Document</a>
No. of permanent faculty available at Headquarters for Regular classes of proposed Programme :	1
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Professor) :	3
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Associate Professor) :	1
No. of permanent faculty available exclusively for proposed Programme through ODL mode(No. of Assistant Professor) :	1
Whether the proposed Programme is offered under Regular mode also. If yes, since when :	NO
since when :	
Whether Choice Based Credit System (CBCS) is being	NO

**Details of students under the Proposed Programme**

Year	Level	Mode of education	Intake capacity	Students admitted	Students Passed
2017-18	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	100	54	0
2016-17	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	100	72	17
2015-16	Under Graduate	Regular mode	0	0	0
		ODL mode	0	0	0
	Post Graduate	Regular mode	0	0	0
		ODL mode	100	52	29

**Mode of evaluation for the proposed programme under distance mode**

	Yes or No	Weightage in overall assessment
Assignments	YES	25
Practicals	NO	0
Project	YES	5
Term End Exam	YES	70

**Mode of delivery of SLM/SIM (State Yes or No)**

Printed material	E-content	Audio/Video	Online Mode
YES	YES	YES	YES



## Part C

### Annexures

Copy of Resolution of the HEI for establishment of Distance Education Department :	View Document						
Copy of NAAC Accreditation Certificate :	View Document						
Copy of Academic Planner for 2018-19 :	View Document						
Copy of Affidavit on stamp paper of Rs. 100, notarized and duly signed by the Vice Chancellor/Registrar:	View Document						
Copy of approval of Statutory bodies for all PPR:	View Document						
Copy of Statutory bodies approval for SLM	View Document						
Copy of faculty (Teaching staff) details :	View Document						
Copy of administrative staff details :	View Document						
Copy of Programme Project Report (PPR) for each programme :	<table> <tr> <th>Name of Programme</th><th>View PPR</th></tr> <tr> <td>ADVANCED PG DIPLOMA IN RENEWABLE ENERGY</td><td>View</td></tr> <tr> <td>PG DIPLOMA IN RENEWABLE ENERGY</td><td>View</td></tr> </table>	Name of Programme	View PPR	ADVANCED PG DIPLOMA IN RENEWABLE ENERGY	View	PG DIPLOMA IN RENEWABLE ENERGY	View
Name of Programme	View PPR						
ADVANCED PG DIPLOMA IN RENEWABLE ENERGY	View						
PG DIPLOMA IN RENEWABLE ENERGY	View						
WHETHER APPROVAL OBTAINED FROM CONCERNED REGULATORY AUTHORITY, SUCH AS AICTE, NCTE ETC. FOR OFFERING THE PROPOSED PROGRAMME THROUGH DISTANCE MODE:							

[PRINT](#)
[PRINT ANNEXURES](#)



### **RULES of TERI University**

**1.0** TERI University is declared as an institution deemed to be university under Section 3 of the UGC Act and is registered as a Society / Trust / Company in the name and style of the institution deemed to be university.

**2.0** The following information related to TERI University is unambiguous:

- i. Name of the Society/ Trust : The name of the Trust/Society is 'TERI University'. It is registered under the Trust Act - Regd.No. J6299 dated 21 Sep 2006.

Name of the institution deemed to be university along with its constituent units : The name of the Institution is TERI University (Deemed to be University).

- ii. Office of the Society/Trust and deemed to be University

Office of the Institution : Plot No 10, Institutional Area, Vasant Kunj, New Delhi 110070.

Office of Trust: Darbari Seth Block, Habitat Place, Lodhi Road, New Delhi – 110003

- iii. Objective: To provide for institution and training in energy studies, biosciences, environmental sciences, public policy and other such branches of learning as it may deem fit.
- ☐ To provide for research and for the advancement of and dissemination of knowledge.
  - ☐ To do all such other acts and things as may be necessary or desirable to further the objects of the University. These may include, inter alia,
  - ☐ Establishment of and participation in collaborative activities with other educational institutions in and outside the country;
  - ☐ To sponsor and organize teaching and training programmes, conferences and seminars on subjects of theoretical or practical relevance to the courses of study;
  - ☐ To establish, acquire and mention facilities such as offices, residential accommodation for staff, hostel for students, etc.

- iv. The objectives as set forth above shall be regarded in law to be charitable in nature.

#### **Powers and functions of the deemed to be University**

- i. To establish faculties, institutions, departments, centre etc. as per the Bye-laws.
- ii. To conduct the examinations for the students who have completed the courses of study prescribed by the TERI University in Regular and Distance Education modes.
- iii. To recommend or to discontinue faculties, institutions, departments and centres for reasons deemed sufficient to the Board of Management/Board of Trustees.

### **3.0 Programmes of the University**

3.1 In keeping with objectives, the institution shall spell out the following :

- i. The proposed programmes of study and research and facilities to provide for instruction in such branches of study as the institution deems appropriate for the advancement of learning and dissemination of knowledge.
- ii. The nature of Degrees and Diplomas and/or Certificates to persons who have satisfactorily completed the approved programmes of study and/or research and the scheme prescribed for examination and evaluation.
- iii. Details of other academic schemes such as visitorship, fellowship, prizes, and medals.

### **4.0 Management of the Institution**

- 4.1 The names, addresses, and occupation of the members of the first Board of Management to whom the management of the institution is entrusted till the various authorities are constituted in accordance with the Rules, shall be furnished at the time of application along with their letter of consent.
- 4.2 The Board of Management shall be compact and homogeneous body enabling it to promptly take and implement well considered decisions and to effectively handle crisis situations.
- 4.3 The Board of Management shall be as per clause 5.7 of the regulations

The term of membership of the Board of Management shall be as follows :

- 4.3.1 All the members of the Board of Management other than the ex-officio members and the members of the teaching staff shall hold office for a term of three years and shall be eligible for reappointment.
- 4.3.2 Members of teaching staff in the Board of Management shall hold office for a period of two years or till such time as they continue to be members of the teaching staff, whichever is earlier.

#### **4.4 Powers of the Board of Management**

The Board of Management shall be the principal organ of Management and principal executive body of the institution deemed to be university and shall have the following powers, namely:

- i) To establish, on the advice of the Academic Council, Divisions and Departments for the academic work and functions of the institution deemed to be university and to allocate areas of study, teaching and research to them;
- ii) To create teaching and academic posts, to determine the number, cadres and qualifications thereof as approved by the Commission and statutory body concerned and the emoluments of such posts in consultation with the Finance Committee;
- iii) To appoint such Professors, Associate Professors, Assistant Professors and other academic staff as may be necessary on the recommendation of the Selection Committee;
- iv) To lay down the duties and conditions of service of the Professors, Associate Professors and Assistant Professors and other academic staff of the institution deemed to be university in consultation with the Academic Council;
- v) To provide for appointment of visiting fellows and visiting professors;
- vi) To create administrative, ministerial and other necessary posts in terms of the cadres laid down and to make appointment thereof in consultation with the Finance Committee;
- vii) To constitute, for the benefit of the teaching, academic, technical, administrative and other staff, such pension, insurance, provident fund and gratuity as it

may deem fit and aid in the establishment and support of Association, Institutions, Funds, Trusts and conveyances calculated to benefit the staff and the students of the institution deemed to be university;

- viii) To regulate and enforce discipline among the employees of the institution deemed to be university and to take appropriate disciplinary action, wherever necessary;
- ix) To entertain and adjudicate upon and, if thought fit, to redress any grievances of the employees and students of the institution deemed to be university;
- x) To grant leave of absence to the Vice-Chancellor and to make necessary arrangements for carrying on his/her functions during the period of absence;
- xi) To approve the award of Degrees and diplomas based on the results of examinations and tests and to confer, grant or award Degrees, Diplomas, Certificates and other academic titles and distinctions.
- xii) To fix the emoluments and travelling and other allowances of examiners, moderators, tabulators and such other personnel appointed for examinations in consultation with the Academic Council and the Finance Committee;
- xiii) To institute Fellowships, including Travel Fellowships, Scholarships, Studentships, Medals and Prizes in accordance with the Rules to be framed for the purpose;
- xiv) To advise the Society/Trust/Company (if any) on matters regarding acquisition, management and disposal of any immovable property on behalf of the institution deemed to be university;
- xv) To purchase, take on lease or accept as gift or otherwise any land or buildings or works which may be necessary or convenient for the purpose of the institution deemed to be university, on such terms and conditions as it may deem fit and proper, and to construct or alter and maintain any such building(s) or work(s);
- xvi) To transfer or accept transfers of any movable property on behalf of the institution deemed to be university; Provided that the Board of Management shall not transfer or alter ownership in any manner whatsoever of any movable or immovable property of the institution deemed to be university without the approval of the sponsoring Society/Trust/Company.
- xvii) To execute in consultation with the Society/Trust/Company (if any) conveyance, transfer Government Securities, re-conveyances, mortgages, leases,

bonds, licenses and agreements in respect of property, movable or immovable, belonging to the institution deemed to be university or to be acquired for the purposes of the institution deemed to be university;

- xviii) To issue appeals for funds for carrying out the objectives of the institution deemed to be university and, consistent with the provisions of the objectives, to receive grants, donations, contributions, gifts, prizes, scholarship, fees and other moneys, to give grants and donations, to award prizes, scholarships, etc
- xix) To raise and borrow in consultation with the Society/Trust/Company (if any) money on bonds, mortgages, promissory notes or other obligations or securities founded or based on any of the properties and assets of the institution deemed to be university, or without any securities, upon such terms and conditions as it may think fit and to pay out of the funds of the institution deemed to be university, all expenses incidental to the raising of money and to repay and redeem the money borrowed;
- xx) To draw and accept and make and endorse discount and negotiate Government of India's and other promissory notes, bills of exchange, cheques or other negotiable instruments;
- xxi) To maintain a fund to which shall be credited :
  - (a) All moneys provided by the Central or State / UT Government(s) / University Grants Commission;
  - (b) All fees and other charges received by the institution deemed to be university;
  - (c) All money received by the institution deemed to be university as grants, gifts, donations, benefactions, bequest or transfers and
  - (d) All money received by the institution deemed to be university in any other manner or from any other source;
- xxii) To open account or accounts of the institution deemed to be university with anyone or more scheduled banks and to lay down the procedure for operating the same;
- xxiii) To deposit all moneys credited to the funds in scheduled banks or to invest them in consultation with the Finance Committee;
- xxiv) To invest the funds of the institution deemed to be university or money entrusted to the institution deemed to be university in or upon such securities and in such manner as it may deem fit and from time to time transpose any investment;

- xxv) To maintain proper accounts and other relevant records and prepare Annual Statements of Accounts, including the balance sheet for every previous financial year, in such form as may be prescribed by the Regulations / Bye-Laws;
- xxvi) To manage, regulate and administer the revenue, the finance, accounts, investments, properties, business and all other administrative affairs of the institution deemed to be university and for that purpose to appoint such agent or agents as it may deem fit;
- xxvii) To provide building or buildings, premises, furniture, fittings, equipments, appliances and other facilities required for carrying on the work of the institution deemed to be university;.
- xxviii) To establish, maintain and manage residencies for faculty and staff and hostels for the students of the institution deemed to be university;
- xxix) To recognize and maintain control and supervision on hostels owned and managed by other agencies for the students of the institution deemed to be university; and to rescind such recognition;
- xxx) To appoint such committees for such purpose and with such powers as the Board of Management may think fit and to co-opt such persons on these Committees as it thinks fit;
- xxxi) To appoint in order to execute an instrument or transact any business of the institution deemed to be university, any person as attorney of the institution deemed to be university with such powers as it may deem fit;
- xxxii) To appoint Auditor(s) for the ensuing year;
- xxxiii) To select an emblem and to have a common seal for the institution deemed to be university and to provide for the custody and use of such seal;
- xxxiv) To delegate all or any of its powers to any Committee or sub-Committee constituted by it or the Vice-Chancellor of the institution deemed to be university or any other person;
- xxxv) To conduct all administrative affairs of the institution deemed to be university not otherwise specifically provided for;
- xxxvi) To take all necessary decisions for the smooth and efficient functioning of the institution deemed to be university.



#### **4.5 Meetings of the Board of Management**

- i. The Board of Management shall meet at least four times a year. Not less than 15 days' notice shall be given of a meeting of the Board of Management. Eight (8) members shall make the quorum for a Board of Management meeting.
- ii. Every meeting of the Board of Management shall be presided over by its Chairman and in his/her absence, by a member chosen by the members present, from amongst themselves.
- iii. Each member of the Board of Management, including its Chairman, shall have one vote and decisions at the meetings of the Board shall be taken by simple majority. In case of a tie, the Chairman shall have a casting vote.
- iv. Any business which it may be necessary for the Board of Management to perform may be carried out by circulating appropriate resolution thereon among its members and any resolution so circulated and approved by a simple majority shall be as effective and binding as if such resolution had been passed at the meeting of the Board.
- v. A copy of the proceedings of each meeting shall be furnished to the Chancellor of the institution deemed to be university as soon as possible after the meeting.

#### **4.6 Termination of membership**

If a member other than the Vice-Chancellor, and those representing the teachers, accepts a full time appointment in the institution deemed to be university or does not attend three consecutive meetings of the Board of Management, without proper leave of absence, he/she shall cease to be a member of the Board of Management.

#### **4.7. Constitution of Standing Committee and Ad-hoc Committee by the Board of Management**

- 4.7.1 Subject to the provision of the Rules of the Institution Deemed to be University, the Board of Management may, by a resolution, constitute such Standing Committee or Ad-hoc Committee or Committees for such purposes and with such powers as the Board may think fit for discharging any function of the Institution Deemed to be University or for inquiring

into, reporting and advising upon any matter of the Institution Deemed to be University.

4.7.2 The Board of Management may co-opt such persons on the Standing Committees or ad-hoc committees as it may consider suitable.

#### **4.8. Delegation of Powers of the Board of Management**

The Board of Management may, by a resolution, delegate to the Vice-Chancellor or any other officer of the institution deemed to be university of the Standing Committee or the Ad-hoc Committee such of its powers as it may deem fit subject to the condition that the action taken by the Vice-Chancellor or the officer concerned or the Standing Committee or the Ad-hoc Committee concerned in the exercise of the powers so delegated shall be reported at the next meeting of the Board of Management.

#### **5.0. Constitution of Panel:**

For constituting panel of names for nominating a UGC representative in the Board of Management under clause 5.7 and in Finance Committee under clause 3.1 (Annexure-2) of the Regulations, a Search Committee shall be constituted by the UGC with the prior approval of the Central Government. Such Search Committee shall be formed every two years.

- (i) The Government while constituting the Search Committee shall lay down the eligibility criteria of qualification, experience, age, etc. separately for member to be in Board of Management and in Finance Committee on the recommendation of UGC.
- (ii) The Search Committee shall select a panel of names equal to two times the number of Institutions in which UGC has to give nominee, separately for Board of Management and Finance Committee. The validity of panel of names shall be for two years but the same can be extended with the approval of Central government, if Search Committee fails to meet in two years.
- (iii) A person cannot be nominated in more than two Committees either in Board of Management or in Finance Committee.
- (iv) UGC shall select its representative in Finance Committee or Board of Management from the existing approved panel of names provided that such representative should not be associated with the Deemed to be University concerned in any other Committee(s) or in other capacity such as faculty, administrative post, etc. in the last five years.
- (v) Panel of names for Board of Management and Finance Committee shall be displayed on the website of Commission along with the details of nomination in the committee.

## **Other Authorities of the University**

The following shall be the other authorities of the University

1. Academic Council
2. Planning and Monitoring Board
3. Finance Committee
4. Board of Studies
5. Such other authorities as may be declared by the rules to be authorities of the TERI University

### **1.0. Academic Council (AC)**

- 1.1 The Academic Council shall be the principal academic body of the Institution Deemed to be University and shall, subject to the provision of the Rules, have the control over and be responsible for the maintenance of standards of teaching, research and training, approval of syllabus, co-ordination of research activities, examinations and tests within the Institution Deemed to be University and shall exercise such powers and perform such other duties and functions as may be prescribed or conferred upon it by the Rules of the Institution.

### **1.2 Composition of the Academic Council**

The Academic Council shall consist of the following persons, namely :

1. Vice-Chancellor ..... Chairperson
2. Pro Vice Chancellor
3. Deans of Faculties
4. Heads of Departments
5. All Professors other than the Heads of the Departments
6. Two Associate Professors from the Departments other than the Heads of the Departments by rotation of seniority
7. Two Assistant Professors from the Departments by rotation of seniority
8. Three persons from amongst educationists of repute or persons from any other field related to the activities of the Institution Deemed to be University who are not in the service of the Institution Deemed to be University, nominated by the Vice-Chancellor.
9. Three persons who are not members of the teaching staff, co-opted by the Academic Council for their specialized knowledge.
10. Registrar who shall be the Secretary of the Academic Council

NOTE :- The representation of different categories shall be only through rotation and not through election. It may also be ensured that no particular faculty dominates the membership of the Council.

### **1.3 Terms of Membership**

The term of members other than the Ex-officio members shall be two years.

### **1.4 Powers and Functions of the Academic Council :**

The Academic Council shall have the following powers and duties namely,

- i) To consider matters of academic interest either on its own initiative or at the instance of the Board of Management or those proposed by the departments/faculties and to take proper action thereon;
- ii) To exercise general supervision over the academic work of the institution deemed to be university and to give direction regarding methods of instruction, evaluation, and improvements in academic standards;
- iii) To promote research within the institution deemed to be university, acquire reports on such researches from time to time;
- iv) To prescribe courses of study leading to degrees and diplomas of the institution deemed to be university;
- v) To make arrangements for the conduct of examinations in conformity with the Bye-laws;
- vi) To appoint examiners, moderators, tabulators and such other personnel for different examinations;
- vii) To maintain proper standards of the examinations;
- viii) To recognize diplomas and degrees of universities and other institutions and to determine equivalence with the diplomas and degrees of the institutions deemed to be university;
- ix) To suggest measures for departmental co-ordination;
- x) To make recommendations to the Board of Management on :

- a) measures for improvement of standards of teaching, research and training;
  - b) institution of fellowships, travel fellowships, scholarships, medals, prizes etc;
  - c) to recommend to the Board of Management, the establishment or abolition of departments/centres; and
  - d) to frame rules covering the academic functioning of the institution deemed to be university, admissions, examinations, award of fellowships and studentships, free-ships, concessions, attendance, discipline, residence etc.
- xi) To appoint sub-committees to advise on such specific matters as may be referred to it by the Board of Management;
  - xii) To consider the recommendations of the sub-committees and to take such action as the circumstances of each case may require;
  - xiii) To take periodical review of the activities of the Departments/Centres and to take appropriate action with a view to maintaining and improving standards of instruction;
  - xiv) To recommend institution of teaching posts (Professors, Associate Professors and Assistant Professors) to the Board of Management; and
  - xv) To exercise such other powers and perform such other duties as may be conferred or imposed upon it by the Rules.

#### **1.5 Meeting of the Academic Council**

- i) The Academic Council shall meet as often as may be necessary but not less than three times during an academic year. Not less than 15 days' notice shall be given of a meeting of the Academic Council.
- ii) One third of the total number of members of the Academic Council shall constitute the quorum for the meeting of the Academic Council.
- iii) Each member, including its Chairman, shall have one vote and decisions at the meetings of the Academic Council shall be taken by simple majority. In case of a tie, the Chairman shall have a casting vote.
- iv) Any business which it may be necessary for the Academic Council to perform, except such as may be placed before its meeting, may be carried out by circulation of the resolution among all its members and the resolution so

circulated and approved by a simple majority shall be effective and binding as if such resolution had been passed in the meeting of the Academic Council, provided that at least one half of the total number of the members of the Academic Council have recorded their views on the resolution.

## **2.0 Planning and Monitoring Board**

- i) The Planning & Monitoring Board shall be the principal Planning Body of the institution deemed to be university and shall be responsible for the monitoring of the development programmes of the institution deemed to be university.
- ii) The Vice-Chancellor shall be the Chairman of the Planning and Monitoring Board. The Registrar shall be the Secretary. It may include seven internal members and three outside eminent experts, including one nominee of the UGC.
- iii) The constitution, powers and functions of the Planning and Monitoring Board shall be prescribed by the Rules.
- iv) The Planning & Monitoring Board would have the right to advise the Board of Management and the Academic Council on any matter which it considers necessary for the fulfillment of the objectives of the institution deemed to be university.
- v) The recommendations of the Planning & Monitoring Board shall be placed before the Board of Management for consideration and approval. Proposals relating to the academic matters may be processed through the Academic Council.

## **3.0. Finance Committee (FC)**

### **3.1 Composition of the Finance Committee :**

The Finance Committee shall consist of the following members :

- i) Vice-Chancellor ..... Chairperson
- ii) Pro-Vice Chancellor
- iii) A person nominated by the Society or Trust
- iv) Two nominees of the Board of Management, one of whom shall be a member of the Board
- v) A representative of the Central Government (respective ministry), not below the rank of Under Secretary to the Government of India

- vi) A representative of the State Government, in case the institution deemed to be university is receiving grants from the State Government
- vii) Finance Officer - Secretary

### **3.2 Terms of the Finance Committee :**

All members of the Finance Committee other than Ex-officio members shall hold office for a term of three years.

### **3.3 Powers and Functions of the Finance Committee**

- i) To consider the annual accounts and financial estimates of the institution deemed to be university and submit them to the Board of Management for approval;
- ii) To consider and recommend the annual budget and revised estimates to the Board of Management;
- iii) To fix limits of the total recurring expenditure and the total non-recurring expenditure of the year based on the income and resources of the institution deemed to be university.

Note :- No expenditure other than that provided in the budget shall be incurred by the institution deemed to be university without the approval of the Finance Committee.

### **3.4 Meetings of the Finance Committee**

The Finance Committee shall meet at least twice a year to examine the accounts and to scrutinize proposals for expenditure. Five members shall constitute the quorum for the meeting.

## **4.0. Board of Studies**

4.1 There shall be one Board of Studies for each Department of the University

4.2 The Board of Studies of each faculty /Department shall consist of:

- i) Dean of faculty/Head of the Department – Chairperson
- ii) All professors of the faculty /Department
- iii) Two Associate Professors of the faculty/Department by rotation of seniority
- iv) Two Assistant Professors of the faculty/Department by rotation of seniority
- v) Not more than two persons to be co-opted for their expert knowledge including those belonging to the profession or industry concerned.

- 4.3 The powers and functions of the Board of Studies shall be prescribed by the rules of the Institution deemed to be University.

## **5.0 Selection Committee**

1. There shall be a Selection Committee for making recommendations to the Board of Management for appointment to the post of Professors, Associate Professors, Assistant Professors and such other posts as may be prescribed in accordance with the UGC Regulations on Minimum Qualifications for Appointment of Teachers and Other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education, 2010 as amended from time to time.

2. Every Selection Committee shall be constituted in accordance with the UGC Regulations on Minimum Qualifications for Appointment of Teachers and Other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education, 2010 as amended from time to time.

### **3. Meetings of the Selection Committee**

- i) The meetings of the Selection Committee shall be convened by the Chairman of the Selection Committee as and when necessary.
- ii) Four members of the Selection Committee shall consisting of at least two experts shall form the quorum.
- iii) If the Board of Management is unable to accept the recommendations of the Selection Committee, it shall record its reasons thereof and require an appropriate review by a high power committee.

## **6.0 Officers of the TERI University**

The following shall be the officers of the institution of deemed to be university:

- 1. Chancellor
- 2. Vice-Chancellor
- 3. Pro Vice Chancellor
- 4. Registrar
- 5. Finance Officer
- 6. Controller of Examinations



7. Dean of Faculties
8. Head of Departments
9. Such other officers as may be prescribed in the Rules of the institution deemed to be university

## **6.1 Chancellor**

The institution deemed to be university shall have a Chancellor who shall, when present, preside over the convocations of the institution deemed to be university but shall not be the Chief Executive Officer. The Chancellor, who will be appointed by the sponsoring Society/Trust/Company, shall hold office for a period of 5 years and shall be eligible for one more term.

Where power is conferred upon the Chancellor to nominate persons to authorities, he/she shall, to the extent necessary, nominate persons to represent the various interests for the furtherance of the objectives of the institutions deemed to be university.

## **6.2 Vice-Chancellor**

- i) The Vice-Chancellor shall be whole time salaried officer of Institution Deemed to be University and shall be appointed by the Visitor/Chancellor from a panel of three names suggested by a Search-cum-Selection Committee.

Persons of the highest level of competence, integrity, morals and institutional commitment shall be appointed as Vice-Chancellors. The Vice-Chancellor to be appointed shall be distinguished academician, with a minimum of ten years of experience as Professor in the University system or ten years of experience in an equivalent position in a reputed research and/or academic administrative organization.

The procedure/composition of Search-Cum-Selection-Committee (SCSC) for selection of Vice-Chancellor shall be as under:

- I. In case, where Management Control of an Institution Deemed to be University is with the Central Government or the State Government, the Vice-Chancellor shall be appointed in accordance with the procedure laid down by the Central Government or the State Government, as the case may be.
- II. In case, where the funding to the Institution Deemed to be University by the Government or by its Agencies is more than or equal to

50% of its expenditure (based on average of previous three year account) the composition of Search-cum-Selection-Committee shall be as under:

- (a) A nominee of Chancellor
- (b) A nominee of the Central Government; who shall be an eminent academic nominated by the Government in consultation with UGC
- (c) A nominee of Board of Management

III. In case, where funding is less than 50% of its expenditure, the composition of Search-cum-Selection Committee shall be as under:

- (a) A nominee of the Visitor/Chancellor, who shall be the Chairperson of the Committee
- (b) A nominee of the Chairman, University Grants Commission
- (c) A nominee of the Syndicate/Executive Council/Board of Management of the Institution Deemed to be University

- ii) The Vice-Chancellor shall hold office for a term of 5 years. He shall be eligible for a second term, provided that in no case shall he hold office beyond the age of 70 years. Provided that notwithstanding the expiry of the period of 5 years, he/she may continue in office for not more than six months or till his/her successor is appointed and the latter assumes office, whichever is earlier.
- iii) In case of the office of the Vice-Chancellor becoming vacant due to death, resignation or otherwise and in case of his/her absence due to illness or any other cause, the Pro Vice Chancellor, and in his/her absence the senior most Professor shall perform the duties of the Vice-Chancellor until a new Vice-Chancellor is appointed or the existing Vice-Chancellor resumes duties, as the case may be.
- iv) The Vice-Chancellor shall not be a member of the sponsoring or managing Society/Trust/Company and/or a close relative of the President or members of the sponsoring or managing society/trust/company.

### **6.3 Powers of the Vice-Chancellor**

- i) The Vice-Chancellor shall be the Principal Executive Officer of the institution deemed to be university and shall exercise general supervision and control over the affairs of the institution deemed to be university and shall be mainly responsible for implementation of the decisions of all the authorities of the institution deemed to be university.
- ii) The Vice-Chancellor shall be the Ex-officio Chairman of the Board of Management, the Academic Council, the Finance Committee, the Planning and Monitoring Board and Selection Committees.
- iii) The Vice-Chancellor shall have the power to convene or cause to be convened meeting of the various authorities of the institution deemed to be university.
- iv) The Vice-Chancellor may, if he/she is of the opinion that immediate action is called for on any matter, he/she shall exercise any power conferred upon any authority of the institution deemed to be university under its Regulations and Rules, and take such action or proceed to take such action and shall report to the authority concerned on the action taken by him/her on such matters.

Provided that if the authority concerned as mentioned in clause (ii) above is of the opinion that such action ought not to have been taken, it may refer the matter to the Chancellor whose decision thereon shall be final.

Provided further that if any person in the service of the institution deemed to be university is aggrieved by the action taken by the Vice-Chancellor under the said clause, he/she shall have the right to appeal against such decision to the Board of Management within 30 days from the date on which such action is communicated to him/her and thereupon the Board of Management shall call the meeting in a subsequent meeting and may confirm, modify or reverse the action taken by the Vice-Chancellor.

- v) It shall be the duty of the Vice-Chancellor to ensure that Regulations and Rules of the institution deemed to be university are duly observed and implemented; and, he/she shall have all the necessary powers in this regard.
- vi) All powers relating to the proper maintenance and discipline of the institution deemed to be university shall be vested in the Vice-Chancellor.
- vii) The Vice-Chancellor shall have the power to re-delegate some of his powers to any of his/her subordinate officers with the concurrence and approval of the Board of Management.

- viii) The Vice-Chancellor shall exercise all other powers as may be delegated to him/her by the Board of Management.
- ix) The Vice-Chancellor shall exercise such other powers and perform such other functions as may be prescribed by the Regulations, Rules and Bye-laws.

#### **6.4 Removal of Vice-Chancellor**

If the Vice-Chancellor of the Institution Deemed to be University does not have the qualification as required under these Regulations and also UGC Regulations on Minimum Qualifications for Appointment of Teachers and Other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education, 2010 as amended from time to time or not appointed as per the procedure stipulated in these Regulations or has committed any financial/administrative impropriety, the Vice-Chancellor can be removed on the recommendations of an Enquiry Committee constituted by the Chairman UGC, after due process. The Commission based on the report of enquiry committee will give direction to the Visitor/Chancellor to remove the Vice-Chancellor. However, in case of Government controlled Institutions, the Commission will send its advice regarding removal of Vice-Chancellor to respective Ministries in Government of India/State Government/UT Government.

#### **6.5 Pro Vice Chancellor**

- i) The post of the Pro Vice Chancellor may be created with the approval of the Board of Management and the Central Government.
- ii) The Pro Vice Chancellor shall be appointed by the Board of Management on the recommendation of the Vice Chancellor.
- iii) The Pro Vice Chancellor shall hold office co-terminus with the office of the Vice Chancellor and at the pleasure of Vice Chancellor.
- iv) The Pro Vice Chancellor shall have the powers and duties as prescribed by the Rules of the University.

#### **6.6 Registrar**

- i) The Registrar shall be a whole time salaried officer of the institution deemed to be university and shall be appointed by the Board of Management on the recommendations of the Selection Committee consisting of the following :-
  - a) Vice-Chancellor–Chairperson

- b) One nominee of the Chancellor
  - c) One nominee of the Board of Management
  - d) One expert appointed by the Board of Management who is not an employee of the institution deemed to be university.
- ii) The emoluments and other terms and conditions of service of the Registrar shall be as prescribed by Rules of the institution deemed to be university.
  - iii) When the office of the Registrar is vacant or when the Registrar is absent by reason of illness or any other reason, the duties and functions of the Registrar shall be performed by such other person as the Vice-Chancellor may appoint for the purpose.
  - iv) The Registrar shall be ex-officio Secretary of the Board of Management, the Academic Council and the Planning & Monitoring Board, but shall not be deemed to be a member of any of these authorities.
  - v) The Registrar shall be directly responsible to the Vice-Chancellor and shall work under his direction.
  - vi) The following shall be duties of the Registrar –
    - 1) To be the custodian of the records and the funds and such other property of the institution deemed to be university as the Board of Management may commit to his/her charge;
    - 2) To conduct the official correspondence on behalf of the authorities of the institution deemed to be university;
    - 3) To issue notices convening meetings of the authorities of the institution deemed to be university and all Committees and sub-Committees appointed by any of these authorities;
    - 4) To maintain the minutes of the meetings of all the authorities of the institution deemed to be university and of all the committees and sub-committees appointed by any of these authorities;
    - 5) To make arrangements for and supervise the examinations conducted by the institution deemed to be university;
    - 6) To represent the institution deemed to be university in suits or proceedings by or against the institution deemed to be university, sign powers of attorney and perform pleadings or depute his/her representatives for the purpose;
    - 7) To enter into agreement, sign documents and authenticate records on behalf of the institution deemed to be university;
    - 8) To make arrangements to safeguard and maintain the buildings, gardens, office, canteen, cars and other vehicles, laboratories, libraries,

- reading rooms, equipments and other properties of the institution deemed to be university;
- 9) To perform such other duties as may be specified in the Rules or as may be assigned by the Board of Management or the Vice-Chancellor from time to time.

#### **6.7 Finance Officer**

- i) The Finance Officer shall be a whole time salaried officer of the institution deemed to be university and shall be appointed by the Board of Management.
- ii) The emoluments and other terms and conditions of service of the Finance Officer shall be as may be prescribed by Rules of the institution deemed to be university.
- iii) The Finance Officer shall work under the direction of the Vice-Chancellor and shall be responsible to the Board of Management through the Vice-Chancellor.
- iv) He/she shall be responsible for the preparation of annual budget, estimates and statements of accounts for submission to the Finance Committee and the Board of Management.
- v) He/she shall be responsible for the management of funds and investments of institution deemed to be university, subject to the control of Board of Management.

#### **6.8. Controller of Examinations**

- i) The Controller of Examinations shall be appointed by the Board of Management.
- ii) The emoluments and other terms and conditions of service of the Controller of Examination shall be as may be prescribed by Rules of the institution deemed to be university.
- iii) The Controller of Examinations shall ensure that all the specific directions of the Board of Management, Academic Council and Vice-Chancellor in respect of examination and evaluation are complied with.
- iv) The Controller of Examinations shall be a permanent invitee to the Board of Management.

#### **6.9. Dean**

The Departments dealing with allied subjects could be grouped into faculties. Each faculty may be headed by a Dean.

#### **6.10. Head of the Department**

- i) There shall be a Head of the Department for each of the Departments in the institution deemed to be university who shall be appointed by the Vice-Chancellor from amongst the Professors of the Department. Provided that, if there is no Professor in the Department, or there is only one Professor in the Department whose term as Head of the Department is ending, the Vice-Chancellor may appoint an Associate Professor as Head of the Department.
- ii) The term of Head of the Department shall normally be three years and he/she shall be eligible for re-appointment for one more term, but not for two consecutive terms.
- iii) The powers and functions of the Head of the Department shall be prescribed by the Rules of the Institution deemed to be University.

#### **7.0. Delegation of Powers**

Subject to the provisions of these Regulations and Rules, any authority or officer of the institution deemed to be university, with the approval of Board of Management, may delegate its power to any other authority or officer or person under their respective control and subject to the conditions that the overall responsibility for exercising the powers so delegated shall continue to rest in the authority or officer delegating such powers.

#### **8.0. Seniority List**

- i) Whenever in accordance with these Rules, any person working is to hold an office or to be a member of an authority of the TERI University by rotation of seniority, such seniority shall be determined according to the length of the continuous service of such person in the grade in the institution deemed to be University in accordance with such other principles as the Board of Management may from time to time prescribe.
- ii) It shall be the duty of the Registrar to prepare and maintain in respect of each class/cadre of persons to whom the provisions of these rules apply, a complete and up-to-date seniority list in accordance with the provisions of the foregoing clause.
- iii) If two or more persons have equal length of continuous service in a particular grade/cadre or the relative seniority of any person or persons is in doubt, the Registrar may on his/her own notion and shall at the request of any such person, submit the matter to the Board, whose decision shall be final and binding.

## **9.0 Dispute as to Membership**

If any question arises, whether any person has been duly nominated or appointed, as or is entitled to be a member of any authority or any committee of the institution deemed to be university, the matter shall be referred to the Chancellor, whose decision thereon shall be final and binding.

## **10.0. Grievance redress mechanism**

For individual grievances and complaints, every institution deemed to be university shall have a Grievance Redressal mechanism as may be prescribed by the UGC.

- i) **Special Provisions:**  
Every Institution Deemed to be University shall have the following special provisions as per UGC norms:-
  - (i) Anti Ragging Cell
  - (ii) Anti discrimination Cell
  - (iii) Gender Sensitization Cell
  - (iv) Internal Complaints Committee for prevention of Sexual Harassment
  - (v) Barrier Free access in all places
- ii) Institution Deemed Universities shall be allowed to take credits earned from other institutions under Choice Based Credit System as per the norms of UGC.
- iii) Institution Deemed to be Universities shall review the syllabus every three years keeping in view the developments in the domains of knowledge.
- iv) Institution Deemed to be University shall adhere to all the Rules, Regulations, norms, guidelines, directions, etc. issued/notified by the UGC/Government of India from time to time.
- v) The Commission can issue directions to an Institution Deemed to be University for implementation of any law or Government Policy or in case of any violation of any law or policy.

## **11.0. Resignation**

Any member other than an Ex-officio member of any authority may resign by a letter addressed to the Registrar and the resignation shall take effect as soon as it is accepted by the Chancellor or the Chairman of the Board of Management, as the case may be.



## **12.0. Acting Chairman of the Meetings**

Where no provision is made for a Chairman to preside over a meeting of an authority of the TERI University or any Committee of such authority, or if the Chairman so provided is absent, the members present may select one from amongst themselves to preside at such meeting.

## **13.0. Validation of certain actions, decisions**

No action or proceedings of any authority or anybody or any committee of the institution deemed to be university shall be invalid merely by reason of any vacancy therein.

## **14.0. Disqualification**

- i) A person shall be disqualified for being chosen as and for being a member of any of the authorities of the TERI University
  - i) if he/she is of unsound mind
  - ii) if he/she is an undischarged insolvent
  - iii) if he/she has been convicted by a court of law of an offence involving moral turpitude
  - iv) he/she has not been appointed as per the provisions of UGC Regulations.
- ii) If any question arises as to whether a person is or has been subjected to any disqualifications mentioned above, the question shall be referred for decision to the Chancellor and his decision shall be final.

## **15.0. Filling of casual vacancies**

Casual vacancies among the members (other than Ex-officio members) of any authority or any Committee of the TERI University shall be filled as soon as it may be convenient by the such authority or the person who appointed or co-opted the member whose place has become vacant and the person appointed or co-opted to a casual vacancy shall be the member of such authority or Committee for the residual term for which the person whose place he / she fills would have been a member.

## **16.0. Review of the Academic activities of the University**

The functioning of the institution deemed to be university may be reviewed after every 5 year or earlier, if necessary, by a Committee appointed by the Commission.

#### **17.0. Inspection of the Institution Deemed to be University by the Commission**

- i) The Commission may cause an inspection, to be made by such person or persons as it may direct, of the institution deemed to be university, its buildings, fixtures and fittings, laboratories and equipment as also examinations, teaching and other work carried on or done and, if necessary, to cause an inquiry to be made in respect of any matter connected with the administration or finance of the institution deemed to be university.
- ii) The Commission shall, in every case, give notice to the institution deemed to be university of its intention to cause an inspection or inquiry to be made and on receipt of such a notice, the institution deemed to be university shall have the right to make such representations to the Commission as it may consider necessary.
- iii) Where an inspection or inquiry has been caused to be made by the Commission, the institution deemed to be university shall be entitled to appoint a representative who shall have the right to be present and to be heard at such inspection or inquiry.
- iv) The Commission may communicate the result of such inspection or inquiry together with such advice as it may be pleased to offer as to the action to be taken by the institution deemed to be university to the Vice-Chancellor who shall communicate the same to the Board of Management.
- v) The Board of Management shall give proper consideration to the said communication regarding the result of inspection or inquiry and the proposals for action by the institution deemed to be university and communicate to the Commission the action, if any, which it proposes to take or has taken upon the result of such inspection or inquiry.
- vi) Where the Board of Management does not, within a reasonable time, take any action to the satisfaction of the Commission, the Commission may, after giving due consideration to the explanation furnished or representation made by the Board of Management to it, issue such directions as it may think fit and the Board of Management shall comply with such directions.

#### **18.0. Income and property of the Institution deemed to be University to be utilized for its objectives only**

The income and property of the institution deemed to be university shall be utilized solely for promoting the objectives of that institution deemed to be university.

**19.0. Ban on payment or transferring of income and property of the Institution deemed to be University by way of profit**

No portion of the income and property of the institution deemed to be university shall be paid or transferred directly or indirectly, by way of dividend, bonus or otherwise howsoever by way of profit to the persons who were at any time or are members of the institution deemed to be university or any persons claiming through them, provided that nothing herein contained shall prevent the payment in good faith of remuneration to any member thereof or other person as consideration for any service rendered to the institution deemed to be university or for traveling or other allowances and such other charges.

**20.0. Funds, Accounts, audits and annual report**

- i) The accounts of the institution deemed to be university shall be maintained in the name of the institution deemed to be university and not in the name of the sponsoring Society or Trust. The accounts of the institution deemed to be university shall be kept in such forms as may be laid down by the Board of Management and shall conform to the rules, if any, prescribed by the Commission. The accounts of the institution deemed to be university shall be open for examination by the Controller and Auditor General of India. The accounts shall also be open for inspection by the Commission.
- ii) The annual financial statements and accounts shall be audited by the Chartered Accountant of the institution deemed to be university. Provided that in case of reasonably credible reports being received of financial impropriety or of embezzlement or of illegal diversion of funds from the accounts of the University/Managing Society or of fees being collected against the provision of the regulations, then the Commission may order an additional audit to be done by a Chartered Accountant selected by the Commission and take further action deemed fit under the Regulations based on the audit report.
- iii) Annual Reports and the Audit Reports shall be submitted by the institution deemed to be university to the Commission within nine months of the closure of the accounting year.

**21.0. Rules of the Institution deemed to be University**

Subject to the provisions of the Regulations and the Rules of the Commission, the Board of Management shall, in addition to all other powers vested in it, have the

power to frame the Rules of institution deemed to be university that may provide for all or any of the following matters :-

- i) establishment of Departments of teaching;
- ii) courses of study to be laid down for all degrees, diplomas and certificates of the institution deemed to be university;
- iii) grant of academic awards (such as degrees and diplomas) and distinctions;
- iv) admission of students to the institution deemed to be university and their enrolment as such;
- v) the fees to be charged for courses of study and for admission to the examinations, degrees, diplomas and certificates of the institution deemed to be university;
- vi) conduct of examinations, appointment of examiners and approval and publication of results thereof;
- vii) institution of award of fellowships, scholarships, studentships, medals and prizes and prescription of the conditions thereof;
- viii) maintenance of discipline among the students;
- ix) maintenance of discipline among the employees;
- x) establishment of halls of residence and conditions of residence and health of the students;
- xi) classification, emoluments, method of appointment and determination of the terms and conditions of service of the staff;
- xii) such other powers, functions and duties of the Academic Council as are not mentioned elsewhere;
- xiii) constitution, powers and functions of the Planning & Monitoring Board;
- xiv) Powers and functions of the Board of Studies;
- xv) composition, powers and functions of the Grievance Redress Mechanism;
- xvi) prescribing persons as such other officers of the institution deemed to be university;
- xvii) such other powers and functions of the Vice-Chancellor as are not specified elsewhere;
- xviii) emoluments, terms and conditions of service of the Registrar;
- xix) emoluments, terms and conditions of service of the Finance Officer;
- xx) constitution of pension, provident fund, insurance etc. for the benefit of the officers, teachers, and the other staff;
- xxi) establishment of special centers;
- xxii) creation, composition and functions of any committees or body, which is considered necessary for the work of the institution deemed to be university;
- xxiii) procedure for preparation and submission of budget estimates;
- xxiv) procedure for convening of meeting of any authority or committee;

- xxv) laying down of procedures to be observed at any meeting of any authority or any committee;
- xxvi) constitution of any other body as an authority of the institution deemed to be university;
- xxvii) delegation of powers to any authority or officer;
- xxviii) all other matters by this Regulation or the Rules may be provided but no rule shall be made affecting the condition of residence, health, discipline, admission, enrolment of students, conditions, mode of appointments, duties of examiners, conduct of and standard of examinations or any course of study without consulting the Academic Council.

## **22.0 Interpretation Clause**

In the event of conflict of opinion with regard to interpretation of Regulations or the Rules of the Commission, the opinion of the Commission shall be final.

## **23.0. Legal Proceedings**

- i) For the purpose of Section 6 of the Societies Registration Act, 1860, the person in whose name the TERI University may sue or be sued shall be the Registrar.
- ii) No suit or legal proceedings shall lie against the Central Government or the commission or the TERI University or an Officer of the TERI University or a member of the authority of the TERI University in respect of anything done or purported or intended to be done in pursuance of any of these Regulations.

## **24.0 Alteration, Amendments and additions to the rules governing the functioning of the Institution deemed to be University**

No Rule and Bye-law governing the functioning of the institution deemed to be university may be altered, amended and added to by the Board of Management or such other competent body to the effect that it is in conflict with or to the detriment of the provisions of these Regulations, and, no alteration, amendment or addition to the Rules and Bye-laws shall be given effect to without the prior approval of the Commission in accordance with the provision of the Societies Registration Act, 1860 or the relevant Public Trust Act as in force for the time being.



Capt. Pradeep Kumar Padhy (Retd.)  
Registrar and Head (Outreach)  
TERI University  
10, Institutional Area, Vasant Kunj  
New Delhi - 110 070

(TO BE PUBLISHED IN THE GAZETTE OF INDIA PART-1 SECTION-1)

NO.F.9-19/95-U-3  
Government of India  
Ministry of Human Resource Development  
(Department of Education)

New Delhi, the 5th Oct., 1999

NOTIFICATION

In exercise of the powers conferred by Section 3 of the University Grants Commission Act, 1956 (3 of 1956), the Central Government, on the advice of the University Grants Commission, hereby declare the "TERI School of Advanced Studies", New Delhi, as Deemed-to-be University, only for its campuses located at New Delhi, for the purpose of the aforesaid Act with immediate effect.

*Photocopy attached*  
Dr. T. P. Bhatnagar, IAS  
Director  
TERI School of Advanced Studies  
Deemed University  
Darbari Seth Block, H-1  
Lodhi Road, New Delhi  
Tel : 4082100/4004111

*Champak Chatterji*  
(Champak Chatterji)  
Joint Secretary to the Govt. of India

The Manager,  
Gazette of India,  
Government of India Press,  
Faridabad (Haryana).

Copy forwarded for information to :-

1. The Secretary, University Grants Commission, New Delhi (with 15 copies)
2. The Registrar, TERI School of Advanced Studies, Darbari Seth Block, Habitat Place, Lodhi Road, New Delhi - 110 003.
3. The Director, TERI School of Advanced Studies, Darbari Seth Block, Habitat Place, Lodhi Road, New Delhi - 110 003.
4. The Secretary, Deptt. of Scientific & Industrial Research, Ministry of Science & Technology, Technology Bhavan, New Mehrauli Road, New Delhi - 110 016.

5. All Ministries/Departments of the Government of India
6. All State Governments and Union Territories.
7. Registrars of All Universities & Deemed Universities
8. Press Information Bureau, Shaastri Bhavan, New Delhi
9. The Secretary-General, Association of Indian Universities, AIU House, 16 Kotla Marg, New Delhi-110002.
10. Parliament Library, New Delhi.
11. Legislative Department, (Leg. III Section).
12. The Secretary General, Lok Sabha.
13. The Secretary General, Rajya Sabha.
14. The Prime Minister's Office.
15. All Officers/Sections in Deptt of Education.
16. Guard file/Coordination Assistant/Notification file.

*Let copy attached*

**Dr. T. P. SINGH, IFS**  
 Director  
 School of Advanced Studies  
 Deemed University  
 Barabati Seth Block, H  
 Lodhi Road, New D  
 Tel: +682100

*(Signature)*  
 (A.K. Chaturvedi)  
 Under Secretary to the Govt. of India

University Grants Commission  
Bahadur Shah Zafar Marg,  
New Delhi-110 002.

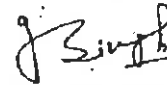
F.6-3/97 (CPP-I)

December, 1999.

Office Memorandum

6-7 DEC 1999

In exercise of the powers conferred by Section-3 of the University Grants Commission Act, 1956 (3 of 1956) the Central Government, on the recommendations of the Commission, has vide its notification No. F.9-19/95-U-3 dated 5<sup>th</sup> October, 1999 declared the "TERI School of Advanced Studies", New Delhi, as a Deemed to be University for the purpose of the aforesaid Act, with immediate effect.



( Gurcharan Singh )  
Deputy Secretary

## Copy to:-

- ✓ 1. The Registrar, TERI School of Advanced Studies, Darbari Seth Block, Habitat Place, Lodhi Road, New Delhi-110 003.
2. The Secretary, Govt. of India, Ministry of Human Resource Development, Department of Education, New Delhi.
3. Chairperson Sectt./Vice-Chairperson Sectt./Secretary Sectt.
4. Joint Secretary, (DU) UGC, New Delhi.
5. Joint Secretary, (NET) UGC, New Delhi.
6. S.O. (Meeting) with a request to include the name of the Institute in the list of Deemed to be Universities maintained by the Commission.
7. Secretary-General, Association of Indian Universities, AIU House, 16 Kotla Marg, New Delhi-110 002.
8. Senior Statistical Officer, UGC, 35 Feorzesah Road, New Delhi
9. S.O. (FD-III Section) UGC, New Delhi.
10. S.O. (DU) UGC, New Delhi.
11. All Sections in the UGC Office.
12. D.T.P. Cell, UGC, New Delhi.
13. Guard file.



( D.D. Mohita )  
Under Secretary





TERI University  
10, Institutional Area  
Vasant Kunj  
New Delhi - 110 070

Tel. 7180 0222  
E-mail registrar@teriuniversity.ac.in  
Fax 2612 2874  
India +91 • Delhi (0) 11  
Web www.teriuniversity.ac.in

**NOTIFICATION**  
**No.4 of 2017-18**

Ref.: NOT/R35

06 September, 2017

**Establishment of Centre of Distance Education**

For operationalization of the programme in open and distance learning mode the Centre of Distance Education is set up with immediate effect. The Centre will plan, implement, coordinate and monitor operationalization and quality assurance of the programmes in open and distance learning mode, including monitoring of the conduct and programme delivery by the learner support centres and shall adhere to the regulation and guidelines of UGC and other regulatory authorities. The Centre will have the following complements and facilities:-

**Director**

Dr. Jami Hossain will head the Centre of Distance Education as its Director

**Faculty**

1. Dr. Priyanka Kaushal
2. Mr. Sapan Thapar


**Administrative staff**

- |   |   |                     |
|---|---|---------------------|
| 1. Mr. Kamal Sharma                       | - | Deputy Registrar    |
| 2. Mr. V. Ganesh                          | - | Assistant Registrar |
| 3. Mr. Sushil Kumar (Programme Assistant) | - | Assistant           |
| 4. Mr. Amit Sharma                        | - | IT Assistant        |

**Infrastructure**

Office : Room No.302  
Class rooms  
Library  
Reading room  
Computer centre  
Media lab  
Other support facilities

Distribution: ML-Faculty  
Notification file

  
Capt. Pradeep Kumar Padhy (Retd.)  
Registrar and Head (Outreach)  
TERI University  
10, Institutional Area, Vasant Kunj  
New Delhi - 110 070

  
Rajiv Seth  
Pro Vice-Chancellor





राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

*An Autonomous Institution of the University Grants Commission*

## Quality Profile

**Name of the Institution** : TERI University (Deemed University)

**Place** : Vasant Kunj, Delhi

Criteria	Weightage ( $W_i$ )	Criterion-Wise Grade Point Averages ( $Cr_i$ GPA)	$W_i \times Cr_i$ GPA
I. Curricular Aspects	150	3.60	540
II. Teaching-Learning and Evaluation	250	3.52	880
III. Research, Consultancy and Extension	200	2.95	590
IV. Infrastructure and Learning Resources	100	2.90	290
V. Student Support and Progression	100	3.60	360
VI. Governance and Leadership	150	3.10	465
VII. Innovative Practices	050	2.60	130
<b>Total</b>	$\sum_{i=1}^7 W_i = 1000$		$\sum_{i=1}^7 (W_i \times Cr_i \text{ GPA}) = 3255$

$$\text{Institutional Score} = \frac{\sum_{i=1}^7 (W_i \times Cr_i \text{ GPA})}{\sum_{i=1}^7 W_i} = \frac{3255}{1000} = 3.26$$

**Grade** = **A**

**Descriptor** = **VERY GOOD**

Capt. Pradeep Kumar Padhy (Retd.)  
Registrar and Head (Outreach)

TERI University  
14, Institutional Area, Vasant Kunj,  
New Delhi - 110 070

Date: March 23, 2013



*Anwar Husein*  
Director

- This certification is valid for a period of Five years with effect from March 23, 2013
- An institutional GPA in four grade scale is the range of 3.01 - 4.00 denotes A grade (Very Good), 2.01 - 3.00 denotes B grade (Good), 1.51 - 2.00 denotes C grade (Satisfactory)
- Scores rounded off to the nearest integer

## Renewables Energy Resources and Policies

No.	Module Name	Start	End
1	Introduction to Renewable Energy Resources & Technologies	06 Aug 2018	07 Oct 2018
	Assignment A	17 Aug	
	Assignment B	31 Aug	
	Assignment C	07 Sep	
	Assignment D	21 Sep	
2	Energy Policies & Planning	08 Oct 2018	18 Nov 2018
	Assignment A	19 Oct	
	Assignment B	26 Oct	
	Assignment C	02 Nov	
	Assignment D	09 Oct	
3	Environmental & Health Impact of Energy Use	19 Nov 2018	09 Dec 2018
	Assignment A	30 Nov	
	Exam Registration	01 Nov 2018	15 Nov 2018
	Fact to Face Interaction/ Webinar	24 - 29 Sep 2018	
	Fact to Face Interaction/ Webinar	26 - 30 Nov 2018	
	End Semester Exam	2/3 week of December 2018	

**Notes:**

- Course/ assignment will start from the date mentioned for the respective course/ assignment.
- Students are advised to submit the assignment by the last date of the module. The terminal date of submission of assignment shall be the end of semester.
- Course material (pdf files, audio-video files etc.) will remain accessible to the students throughout the semester.
- The interaction with faculty/ experts (face-to-face) will take place within the window mentioned above and the exact schedule will be shared beforehand.
- Examination will take place within the window mentioned above. The exact examination schedule will be shared beforehand.

## Energy Infrastructure & Efficiencies

No.	Module Name	Start	End
1	Energy Infrastructure	06 Aug 2018	16 Sep 2018
	Assignment A	17 Aug	
	Assignment B	31 Aug	
2	Introduction to Basic Engineering Principles	17 Sep 2018	14 Oct 2018
	Assignment A	22 Sep	
	Assignment B	29 Sep	
3	Introduction to Engines	15 Oct 2018	28 Oct 2018
	Assignment A	12 Oct	
4	Energy Conservation and Management	29 Oct 2018	09 Dec 2018
	Assignment A	09 Nov	
	Assignment B	16 Nov	
	Assignment C	23 Nov	
	Exam Registration	01 Nov 2018	15 Nov 2018
	Fact to Face Interaction/ Webinar	24 - 29 Sep 2018	
	Fact to Face Interaction/ Webinar	26 - 30 Nov 2018	
	End Semester Exam	2/3 week of December 2018	

### Notes:

- Course/ assignment will start from the date mentioned for the respective course/ assignment.
- Students are advised to submit the assignment by the last date of the module. The terminal date of submission of assignment shall be the end of semester.
- Course material (pdf files, audio-video files etc.) will remain accessible to the students throughout the semester.
- The interaction with faculty/ experts (face-to-face) will take place within the window mentioned above and the exact schedule will be shared beforehand.
- Examination will take place within the window mentioned above. The exact examination schedule will be shared beforehand.

## Renewable Energy Technology

No.	Module Name	Start	End
1	Solar Thermal Technologies(4)	06 Aug 2018	02 Sep 2018
	Assignment A	17 Aug	
	Assignment B	24 Aug	
2	Solar PV Technologies (4)	03 Sep 2018	30 Sep 2018
	Assignment A	14 Sep	
	Assignment B	21 Sep	
3	Passive Solar Architecture (3)	01 Oct 2018	21 Oct 2018
	Assignment A	12 Oct	
4	Wind Energy Technologies (3)	22 Oct 2018	11 Nov 2018
	Assignment A	02 Nov	
5	Hydro Power Technologies (1)	12 Nov 2018	18 Nov 2018
	Assignment A	16 Nov	
6	Biomass to Energy (3)	12 Nov 2018	25 Nov 2018
	Assignment A	16 Nov	
7	Other Renewables Technologies (2)	26 Nov 2018	09 Dec 2018
	Assignment A	30 Nov	
	Exam Registration	01 Nov 2018	15 Nov 2018
	Fact to Face Interaction/ Webinar	24 - 29 Sep 2018	
	Fact to Face Interaction/ Webinar	26 - 30 Nov 2018	
	End Semester Exam	2/3 week of December 2017	

**Notes:**

- Course/ assignment will start from the date mentioned for the respective course/ assignment.
- Students are advised to submit the assignment by the last date of the module. The terminal date of submission of assignment shall be the end of semester.
- Course material (pdf files, audio-video files etc.) will remain accessible to the students throughout the semester.
- The interaction with faculty/ experts (face-to-face) will take place within the window mentioned above and the exact schedule will be shared beforehand.
- Examination will take place within the window mentioned above. The exact examination schedule will be shared beforehand.

## Software Tools for Energy Analysis

No.	Module Name	Starts	Ends
1	PVsyst	06 Aug 2018	02 Sep 2018
Week 1	Walk through		
Week 2	Face to Face Interaction/ Webinar	10 Aug	
Week 3	Assignment A	17 Aug	
Week 4	Face to Face Interaction/ Webinar	24 Aug	
2	HOMER	03 Sep 2018	30 Sep 2018
Week 1	Walk through		
Week 2	Face to Face Interaction/ Webinar	07 Sep	
Week 3	Assignment A	14 Sep	
Week 4	Face to Face Interaction/ Webinar	21 Sep	
3	RETScreen	01 Oct 2018	28 Oct 2018
Week 1	Walk through		
Week 2	Face to Face Interaction/ Webinar	05 Oct	
Week 3	Assignment A	12 Oct	
Week 4	Face to Face Interaction/ Webinar	19 Oct	
4	TRNSYS	29 Oct 2018	18 Nov 2018
Week 1	Walk through		
Week 2	Face to Face Interaction/ Webinar	02 Nov	
Week 3	Assignment A	09 Nov	
Week 4	Face to Face Interaction/ Webinar	16 Nov	
5	SAM	19 Nov 2018	09 Dec 2018
Week 1	Walk through		
Week 2	Face to Face Interaction/ Webinar	23 Nov	
Week 3	Assignment A	30 Nov	
Week 4	Face to Face Interaction/ Webinar	07 Dec	
	Exam Registration	01 Nov 2018	15 Nov 2018
	End Semester Exam	2/3 week of December 2018	

### Notes:

- Course/ assignment will start from the date mentioned for the respective course/ assignment.
- The interaction with faculty/ experts (face-to-face) will take place within the window mentioned above and the exact schedule will be shared beforehand.
- The terminal date of submission of assignment shall be the end of semester.
- Examination will take place within the window mentioned above. The exact examination schedule will be shared beforehand.
- Existing students may note that from the current batch onwards, we have included two new analysis tools – TRNSYS & SAM (in CSTE) as per the advice of our Academic Council. The learning material and the webinar sessions for these two new tools shall be available/ open to you. However, you would neither be required to attempt the assignments nor sit for the exams.

## Renewables Energy Resources and Policies

No.	Module Name	Start	End
1	Introduction to Renewable Energy Resources & Technologies	04 Feb 2019	07 April 2019
	Assignment A	15 Feb	
	Assignment B	01 March	
	Assignment C	15 March	
	Assignment D	29 March	
2	Energy Policies & Planning	08 April 2019	19 May 2019
	Assignment A	19 April	
	Assignment B	26 April	
	Assignment C	03 May	
	Assignment D	10 May	
3	Environmental & Health Impact of Energy Use	20 May 2019	09 June 2019
	Assignment A	31 May	
	Exam Registration	01 May 2019	15 May 2019
	Fact to Face Interaction/ Webinar	22 - 27 April 2019	
	Fact to Face Interaction/ Webinar	20 - 25 May 2019	
	End Semester Exam	2/3 week of June 2019	

**Notes:**

- Course/ assignment will start from the date mentioned for the respective course/ assignment.
- Students are advised to submit the assignment by the last date of the module. The terminal date of submission of assignment shall be the end of semester.
- Course material (pdf files, audio-video files etc.) will remain accessible to the students throughout the semester.
- The interaction with faculty/ experts (face-to-face) will take place within the window mentioned above and the exact schedule will be shared beforehand.
- Examination will take place within the window mentioned above. The exact examination schedule will be shared beforehand.



## Energy Infrastructure & Efficiencies

No.	Module Name	Start	End
1	Energy Infrastructure	04 Feb 2019	17 March 2019
	Assignment A	15 Feb	
	Assignment B	01 March	
2	Introduction to Basic Engineering Principles	18 March 2019	14 April 2019
	Assignment A	29 March	
	Assignment B	05 April	
3	Introduction to Engines	15 April 2019	28 April 2019
	Assignment A	12 April	
4	Energy Conservation and Management	29 April 2019	09 June 2019
	Assignment A	10 May	
	Assignment B	17 May	
	Assignment C	24 May	
	Exam Registration	01 May 2019	15 May 2019
	Fact to Face Interaction/ Webinar	22 - 27 April 2019	
	Fact to Face Interaction/ Webinar	20 - 25 May 2019	
	End Semester Exam	2/3 week of June 2019	

### Notes:

- Course/ assignment will start from the date mentioned for the respective course/ assignment.
- Students are advised to submit the assignment by the last date of the module. The terminal date of submission of assignment shall be the end of semester.
- Course material (pdf files, audio-video files etc.) will remain accessible to the students throughout the semester.
- The interaction with faculty/ experts (face-to-face) will take place within the window mentioned above and the exact schedule will be shared beforehand.
- Examination will take place within the window mentioned above. The exact examination schedule will be shared beforehand.

## Renewable Energy Technology

No.	Module Name	Start	End
1	Solar Thermal Technologies(4)	04 Feb 2019	03 March 2019
	Assignment A	15 Feb	
	Assignment B	22 Feb	
2	Solar PV Technologies (4)	04 March 2019	31 March 2019
	Assignment A	15 March	
	Assignment B	22 March	
3	Passive Solar Architecture (3)	01 April 2019	21 April 2019
	Assignment A	12 April	
4	Wind Energy Technologies (3)	22 April 2019	12 May 2019
	Assignment A	03 May	
5	Hydro Power Technologies (1)	13 May 2019	19 May 2019
	Assignment A	17 May	
6	Biomass to Energy (3)	13 May 2019	26 May 2019
	Assignment A	17 Nov	
7	Other Renewables Technologies (2)	27 May 2019	09 June 2019
	Assignment A	31 May	
	Exam Registration	01 May 2019	15 May 2019
	Fact to Face Interaction/ Webinar	22 - 27 April 2019	
	Fact to Face Interaction/ Webinar	20 - 25 May 2019	
	End Semester Exam	2/3 week of June 2019	

**Notes:**

- Course/ assignment will start from the date mentioned for the respective course/ assignment.
- Students are advised to submit the assignment by the last date of the module. The terminal date of submission of assignment shall be the end of semester.
- Course material (pdf files, audio-video files etc.) will remain accessible to the students throughout the semester.
- The interaction with faculty/ experts (face-to-face) will take place within the window mentioned above and the exact schedule will be shared beforehand.
- Examination will take place within the window mentioned above. The exact examination schedule will be shared beforehand.

## Software Tools for Energy Analysis

No.	Module Name	Starts	Ends
1	PVsyst	04 Feb 2019	03 March 2019
Week 1	Walk through		
Week 2	Face to Face Interaction/ Webinar	08 Feb	
Week 3	Assignment A	15 Feb	
Week 4	Face to Face Interaction/ Webinar	22 Feb	
2	HOMER	04 March 2019	31 March 2019
Week 1	Walk through		
Week 2	Face to Face Interaction/ Webinar	08 March	
Week 3	Assignment A	15 March	
Week 4	Face to Face Interaction/ Webinar	22 March	
3	RETScreen	01 April 2019	28 April 2019
Week 1	Walk through		
Week 2	Face to Face Interaction/ Webinar	05 April	
Week 3	Assignment A	12 April	
Week 4	Face to Face Interaction/ Webinar	19 April	
4	TRYNSYS	29 April 2019	19 May 2019
Week 1	Walk through		
Week 2	Face to Face Interaction/ Webinar	03 May	
Week 3	Assignment A	10 May	
Week 4	Face to Face Interaction/ Webinar	17 May	
5	SAM	20 May 2019	09 June 2019
Week 1	Walk through		
Week 2	Face to Face Interaction/ Webinar	24 May	
Week 3	Assignment A	31 May	
Week 4	Face to Face Interaction/ Webinar	07 June	
	Exam Registration	01 May 2019	15 May 2019
	End Semester Exam	2/3 week of June 2019	

### Notes:

- Course/ assignment will start from the date mentioned for the respective course/ assignment.
- The interaction with faculty/ experts (face-to-face) will take place within the window mentioned above and the exact schedule will be shared beforehand.
- The terminal date of submission of assignment shall be the end of semester.
- Examination will take place within the window mentioned above. The exact examination schedule will be shared beforehand.



Capt. Pradeep Kumar Padiy (Retd.)  
Registrar and Head (Outreach)  
TERI University  
10, Institutional Area, Vasant Kunj  
New Delhi - 110 070



**MINUTES OF THE FORTY-FIRST OF THE ACADEMIC COUNCIL HELD ON 13 NOV 2017 AT 10.30 A.M.**

**PRESENT**

The following members of the Academic Council attended the meeting:

**Members**

Dr Leena Srivastava  
Dr Rajiv Seth  
Dr Prateek Sharma  
Prof S Sundar  
Prof TC Kandpal  
Dr Vivek Suneja  
Dr Suresh Jain  
Dr Sapna A Narula  
Dr Nandan Nawn  
Dr Chaithanya Madhurantakam  
Dr MV Shiju  
Dr Naqui Anwer  
Dr Anandita Singh  
Dr Anu Rani Sharma  
Capt. Pradeep Kumar Padhy (Retd.) Secretary

**Chairperson**

**Invitees**

Dr. Soumendu Sarkar;  
Dr. Shantanu De Roy  
Mr Sapan Thapar  
Dr. Nirupam Datta  
Dr LN Venkataraman  
Dr Shaleen Singhal  
Dr Pradeep Kumar  
Dr Kamna Sachdev  
Dr Dr. C K Singh  
Dr Neeti  
Dr Chubamenla Jamir

Dr Rakesh Khosa, Dr Kanchan Chopra, Dr Malathi Lakshmikumaran, Dr Anubha Kaushik, Dr Arun Kansal, Dr Sudipta Chatterjee and Ms Fawzia Tarannum could not attend the meeting.

The Vice Chancellor welcomed all the members of the Academic Council and Invitees.

**ITEM NO. 1 To confirm the minutes of the fortieth meeting of the Academic Council held on 05 Jul 2017.** The minutes of the fortieth meeting of the Academic Council held on 05 July 2017, were circulated to the members and no comments have been received.

**TU/AC 41.1.1** The Council resolved that the minutes of the meeting of the Academic Council held on 05 July 2017 be confirmed.

**ITEM NO. 2** To consider and approve TERI University PhD Regulations 2017. The registrar stated that the revised PhD regulations of the University (based on UGC Minimum Standards and Procedure for awards of M Phil/PhD Degree Regulation -2016) was presented to the 40<sup>th</sup> Academic council on 05 July 2017. He stated that as resolved at the 40<sup>th</sup> Council an amended was recirculated, and no comments had been received so far.

**TU/AC 41.2.1** The Council resolved that the PhD regulations as amended be accepted and approved (Annexure 1).

**ITEM NO 3.** To consider and approve PPR of Distance Education Programme. Coordinator, Distance Learning Programme Mr Sapan Thapar presented the Programme Project Report (PPR) of the PGDRE and APGDRE programmes. The PPR was discussed by the Council

**TU/AC 41.3.1** The Council resolved that PPR as given at Annexure 2 be accepted and approved.

**ITEM NO 4.** To consider and approve renaming of MTech (Water Science & Governance) programme as MTech (Water Resources Engineering and Management). The Registrar informed that the programme covered applied courses in water resources engineering including design and planning aspects and learners skills were honed in software applications including modelling and optimization. He stated that the programme facilitated courses on water resource management, water audit & demand management, water planning & management and water governance etc. He stated that being an M Tech course the emphasis had been on water resources engineering and not on water science and therefore a change in name as recommended which would add value to the course name and structure.

**TU/AC 41.4.1** The Academic Council resolved to approve the change of name of MTech (Water Science & Governance) to MTech (Water Resources Engineering and Management).

**ITEM NO.5.** To consider and approve revised programme structure of MSc (Economics). The recommendations of the meeting of the Board of Studies of Department of Policy Studies held on 27 Oct 17 were placed before the Council (Details placed at annexure 3). The following suggestions were provided: -

- (a) Percentage of overlap with other courses to be brought out explicitly.
- (b) Rationalize with 02 courses in macro and 02 courses in micro.
- (c) Not more than four courses should be taught per semester.
- (d) Add credits for internship.
- (e) Capitalise on the niche environment issues.
- (f) Add more elective courses.
- (g) Economic History may be made a core course.
- (h) Public finance may be added.

**TU/AC 41.5.1** The Council resolved that the programme structure of MSc(Economics) as under be approved.

**Semester 1:** 4 Core Courses of 4 credits each, viz.

1. Microeconomics
2. Macroeconomics
3. Constrained optimization and linear Algebra
4. Probability and Statistics

**Semester 2:** 4 Core Courses of 4 credits each, viz.

1. Growth and Development
2. Indian Economy
3. Econometrics
4. Environment and Economic Development

**Semester 3:**

- (a) 1 Core Course of 4 credit: Research Methodology
- (b) 3 Elective Courses (with at least one from either Economics of Environment or Economics of Natural Resources) from those offered in the MSc Economics programme or open electives. \*

**Semester 4:**

- (a) **Thesis track (16 credits):** Master's Thesis [Pre-requisite: B+ or above in Research Methodology]
- OR
- (b) **Course track (16 credits):** Elective courses from those offered in the MSc Economics programme or open electives.\*

\* Elective courses offered in the MSc Economics Programme are as follows:

- Economics of Environment
- Economics of Natural Resources
- Indian Agriculture in a Global Setting (MPE 128)
- Advanced Econometrics (MPE 179)
- Time Series and Regression Analysis (MPE 177)
- Ecological Economics (MPE 125)
- Labour Economics (MPE 174)
- Trade and the Environment (MPE 192)
- Law and Economics (MPE 151)
- Economics of Health and Environment (MPE 145)
- Energy Economics (MPE 183)
- Advanced Macroeconomics (MPE 123)
- Theory of Finance (MPE 126)
- Industrial Organisation (MPE 133)
- Theory of Contracts (MPE 140)
- Public Economics (MPE 148)
- Advanced Microeconomics

- Collective action and environmental management (MPE 135)

Students are also allowed to fulfil their elective credit requirement wholly or partly with courses offered in other programmes subject to the approval of the Programme Coordinator. Among others, they include the following:

- Water Resources Economics
- Corporate Finance
- Economics of Climate Change

The list of courses offered in either category may vary.

**ITEM NO. 6. To consider and approve the outline of two courses for MSc (Economics).** The recommendations of the meeting of the Board of Studies of Department of Policy Studies held on 27 Oct 17 w.r.t. MSc (Economics) programmes were placed before the Council. Members recommended that the name of the title be changed to Macroeconomics and books like 'Between Debt And The Devil: Money, Credit, And Fixing Global Finance by Adair Turner' be prescribed. In labour economics Marxian theories be included issues like NREGA and implications of labour laws be discussed.

**TU/AC 41.6.1** The Council resolved that the outlines of the following courses placed at Annexure 4 be approved: -

Serial no	Course	Type	Credit
1	Macroeconomics*	Core	4
2	Labour Economics**	Elective	3

\* Revision

\*\* New course

**ITEM NO. 7. To consider and approve the outline of three courses for LLM.** The recommendations of the meeting of the Board of Studies of Department of Policy Studies held on 27 Oct 17 w.r.t. LLM were placed before the Council. A detailed discussion was held on the programme outline, and three new courses were suggested.

**TU/AC 41.7.1** The Council resolved that the outlines of the following Courses placed at Annexure 5 be accepted as amended and approved: -

Serial no	Course	Type	Credit
Ser	Course	Type	Cr
1	Competition Law and Policy**	Elective	2
2	Hazardous Waste Law**	Elective	2
3	Water Resources law**	Elective	2

\*\* New course

**ITEM NO. 8 To consider and approve the outline of courses for MA (PPSD).** The recommendations of the meeting of the Board of Studies of Department of Policy Studies held on 27 Oct 17 w.r.t. MA(PPSD) were placed before the Council. A detailed discussion was held on the course outlines. In the course 'Assessing Public Policy: Methods & Measurement', it was suggested that evaluation criteria shall be relooked, LTP allocations would be reconsidered. The council also suggested that CAG's methodologies of assessment and evidence based approaches in policy studies be considered. As regards to 'India: Major Policy issues' the Council recommended that the title should be changed to "Major Policy Issues: Education, Health and Infrastructure in India". While scrutinizing 'Water Science and Policy' the Council recommended that first Module should discuss Water as a component of Ecosystem instead of Environment system and since the course is policy based, the Title could either be "Water Resource Policy" or "Policy Perspectives on Water". The Council recommended to reconsider the term reaction papers in the evaluation criteria and term it as review papers. Council recommended that objectives of the course 'Public Policy Processes & Institutions' be clearly stated. With respect to 'Communities and Conservation' the Council recommended that evaluation criteria be reconciled and connected to the learning outcomes. As regards to 'Sustainable Consumption and Production in Cities' it was suggested that the title be revised to 'Sustainable Urbanization', production component be added in the course outline and L-T-P ratio be reconsidered. The Council recommended that in the course 'Agriculture and Rural Development' there was a need to cover non-agricultural livelihood aspects like organic farming etc, PURA as a case-study and PPP models in Rural Development. While examining the course 'Public Management: Issues and Challenges' with special reference to India the Council appreciated the coverage of diverse theories.

**TU/AC 41.8.1** The Council resolved that outlines of the following eight courses of MA(PPSD) programme be accepted as amended (vide Annexure 6) and approved: -

Ser	Course	Type	Credit
1	Assessing Public Policy : methods and Measurements **	Core	2
2	Public Policy Processes and Institutions**	Core	2
3	Communities and Conservation**	Core	2
4	Major Policy Issues - Education, Health and Infrastructure in India **	Core	2
5	Policy perspectives on water**	Core	2
6	Sustainable Urbanization **	Core	2
7	Agriculture and rural development **	Core	2
8	Public management : Issues and challenges with special reference to India **	Core	2

\*\* New course

**ITEM NO. 9. Extension of maximum period for submission of thesis.** The Registrar informed the council that a doctoral candidate is expected to submit his/her thesis within five years from the date of registration and the period might be extended by Academic Council as a special case. He stated that the following candidates who had



registered for PhD programme require extension since they have completed the 5 year period as indicated below.

- Ms Nidhi Gupta (0921REB) of Department of Energy & Environment in May 2017
- Ms Shikha Tyagi (1033RBB) of Department of Biotechnology in July 2017
- Ms Jyoti Kashyap (1116RNA) of Department of Natural Resources in September 2017.

The Registrar informed that on the recommendation of the supervisor, approval was sought for an extension of one year in respect of above candidates for the submission of their theses.

**TU/AC 41.9.1** The Council resolved that one-year extension be accorded to :-

- Ms Nidhi Gupta (0921REB)
- Ms Shikha Tyagi (1033RBB)
- Ms Jyoti Kashyap (1116RNA) .

**ITEM NO 10. To consider and accord in-principle approval to start MTech (Sustainable Building Design and Management).** The detailed justification is placed at Annexure 7.

**TU/AC 41.10.1** The Council resolved that in-principle approval be accorded for starting a programme - MTech (Sustainable Building Design and Management).

**ITEM NO. 11 To consider and approve the revised structure of 2<sup>nd</sup> semester of MSc (Climate Science and Policy).** The recommendations of the meeting of the Board of Studies of Dept of Energy and Environment held on 07 Nov 2017 were placed before the Council.

**TU/AC 41.11.1** The Council resolved that the following revised structure of 2<sup>nd</sup> Sem of MSc (CSP) programme be accepted as amended and approved:-

Ser	Course	Type	Credit
<i>Core courses</i>			
1	Research Methodology	Core	2
2	Principles of Geoinformatics		3
3	Climate Change Vulnerability and Adaptation	Core	3
4	Mitigation of Climate Change	Core	3
<i>Electives (can choose any two)</i>			
5	Spatio Temporal Data Analysis	Elective	3
6	Climate Change and Water	Elective	3
7	Introduction to Climate Modelling	Elective	3
8	Climate Change and Public Health	Elective	3
<i>Open Elective</i>			
9	Environment Health and Risk Assessment	Elective	3
10	Climate Change and Law	Elective	2

**ITEM NO. 12. To consider and approve the outlines of five courses of MSc (Climate Science and Policy).** The recommendations of the meeting of the Board of Studies of Department of Energy & Environment w.r.t. MSc (CSP) programme held on 07 Nov 2017 were placed before the Council. In the Course 'Vulnerability and adaptation' it was suggested that the course description be changed and the content should be more specific to the course. Further it was recommended that the word 'sensitization' be changed. With regard to the course 'Spatiotemporal data analysis' the Council recommended that objectives of the course be revised. With respect to 'Climate change and water' the Council recommended that aspects of Flood, Modeling etc. be added. It was also suggested that in the reading material section it could be specifically mentioned that the research papers would be given to students as study material or for assignments. While examining the outline for 'Introduction to Modeling' the Council recommended that details wrt Course objectives, Learning outcomes, Pedagogical approach and reading material be improved.

**TU/AC 41.12.1** The Council resolved that outline of following courses of MSc (MSP) placed at Annexure 8 be accepted as amended and approved.

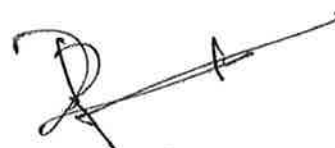
Ser	Course	Type	Credit
1.	Climate Change Vulnerability and Adaptation	Core	3
2	Spatio Temporal Data Analysis	Elective	3
3	Climate Change and Water	Elective	3
4	Introduction to Climate Modelling	Elective	3
5	Climate Change and Public Health	Elective	3

There being no other items for discussion, the meeting was adjourned with a vote of thanks to the Chair.

Sd/  
Capt Pradeep Kumar Padhy (retd.)  
Registrar

**Enclosures:-**

Annexure 1  
Annexure 2  
Annexure 3  
Annexure 4  
Annexure 5  
Annexure 6  
Annexure 7  
Annexure 8

  
Capt. Pradeep K Padhy (Retd.)  
Registrar  
TERI School of Advanced Studies  
10, Institutional Area, Vasant Kunj  
New Delhi-110 070

From Dublin 110070  
The International Area, Vassar College  
School of Advanced Studies  
P.O. Box 218, Poughkeepsie, N.Y. 12601  
(914) 861-1100

[My home](#)
[Courses](#)
[Energy Infrastructure](#)

## Activities

- [Assignments](#)
- [Chats](#)
- [Forums](#)
- [Lessons](#)
- [Quizzes](#)
- [Resources](#)

## My Program

- Advanced PG Diploma (Renewable Energy)
- Certificate in Energy Infrastructure and Efficiency
- Certificate in Renewables Energy Resources and Policies
- Certificate in Renewable Energy
- Certificate in Software Tools for Energy Analysis
- PG Diploma (Renewable Energy)

## People

- [Participants](#)

## Course Contacts

## Guest Faculty

- [IT Administrator](#)
- [OP](#)

The module on 'Energy Infrastructure' is spanned over six weeks. Study guide and study materials will be available weekly.

It is designed in a week-by-week manner. Links for downloading the study material are provided in appropriate places.

The study material is a mixture of audio/video lectures, and books in PDF format. Study materials will be available for download, please follow the academic calendar to avoid confusions.

The study materials are prepared from the following sources:

Energy systems and sustainability, Edited by Godfrey Boyle et al., Oxford press

Renewable energy Engineering and technology: A knowledge compendium. Edited by Dr. V.N. Kishore, TERI Press

TEDDY, Teri Energy Data Directory & Yearbook 2013; TERI Press

In case you face issues in downloading the study material, contact us.

For any queries or concern related to the module, please contact the

Course contact

Project coordinator,

(Grouping 2010)  
(Grouping APGDRE)  
(Grouping CERT)  
(Grouping CERT)

Assignments for Grade Improvement

(Grouping 2011)  
(Grouping 2011)  
(Testing group)  
(Grouping CERT)  
(Grouping CERT)  
(Grouping CERT)

## Calendar

April 2018						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

## Events key

- [Global](#)
- [Group](#)
- [Course](#)
- [User](#)

## Section links

1 2 3 4 5 6 7

## Latest news

Add a new topic...

19 Sep, 11:49  
Priyanka Kaushal  
Assignment more...

4 Sep, 12:14  
Priyanka Kaushal  
Assignment A more...

19 Aug, 13:03  
Priyanka Kaushal  
1st module visible, more...

28 Sep, 01:23  
Priyanka Kaushal  
Assignment C more...

14 Aug, 10:58  
Priyanka Kaushal  
Study materials: access more...

Older topics ...

## My private files

No files available

[Management of private files](#)

## Settings

Course administration

[Turn editing on](#)

[Edit settings](#)

[Users](#)

[Filters](#)

[Grades](#)

[Backup](#)

[Restore](#)

[Import](#)

## 1 Week 1 : Introductory Overview

In this week, you will be studying the basic concepts related to energy infrastructure, resources and sustainability.

During the nineteenth and twentieth centuries, humanity learned how to harness the highly concentrated forms of energy contained within fossil fuels. These provided the power that drove the industrial revolution, bringing unparalleled increases in affluence and productivity to millions of people throughout the world. As we enter the third millennium, however, there is a growing realization that the world's energy systems will need to be changed radically if they are to supply our energy needs sustainably on a long-term basis.

This introductory overview aims to survey, in very general terms, the world's present energy systems and their sustainability problems, together with some of the possible solutions to those problems and how these might emerge in practice during the twenty-first century.

[Study Guide \(Grouping CERT\)](#)  
[\(Grouping APGDRE\)](#)  
[\(Grouping APGDRE\)](#)  
[\(Grouping 2011\)](#)

Reset

Question bank

Legacy course files

Switch role to...

My profile settings

**2 Week 2 : Coal**

In this week, you will be studying the coal as a primary source of energy.

Coal is a major source of energy for various sectors. It is a fossil fuel and non-renewable resource. Use of coal was known since early times. It played a major role in the Industrial revolution. However, due to its polluting nature, coal lost its popularity as a fuel. In this week, you will learn about coal, its development and uses as a fuel.

You will also learn about the coal combustion products, various furnace options for burning coal, and flue gases. The section on flue gases needs attention because these pollutants are what we are producing all the time.

Study Guide (Grouping CERT)

Study Guide for Week 2 (Grouping APGDRE)

Assignment A

Assignment A (Grouping CERT)

Assignment A (Grouping 2010)

Assignment A (Grouping 2011)

Assignment A (Grouping CERT)

Assignment A (Grouping CERT)

Assignment A (Grouping CERT)

Study Guide - Coal (Grouping CERT)

**3 Week 3 : Oil and Gas**

In this week, you will be studying oil and gas as primary sources of energy. You will read about oil and gas as sources of energy.

Oil plays an important role as a source of energy. It is the most convenient form of resource with regards to transportation, handling and easy of use. No wonder that oil is the most widely used energy resource. The increasingly important role of natural gas cannot be overlooked either. In the last century natural gas has gone from being seen as little more than an inconvenience that must be disposed of to being a very important commodity. It is set for an expanding world role long after the peak in oil production has passed.

Study Guide (Grouping CERT)

Study Guide for Week 3 (Grouping APGDRE)

Assignment A (Grouping 12-14)

Assignment A (Individual APGDRE 13-15)

Assignment A (Grouping CERT)

Assignment A (Grouping CERT)

Assignment A (Grouping CERT)

Assignment A - El Feb 18 (Grouping CERT)

**4 Week 4 : Nuclear Power**

In this week, we will discuss about nuclear power. Nuclear power is produced from controlled nuclear fission reaction. It involves conversion of mass into energy. The reactions are carried out in large nuclear power plants. In 2007, 14% of world's electricity was generated from nuclear power.

Nuclear power does not cause carbon dioxide emission unlike fossil fuels. However, safety and waste disposal are two major concerns for deployment of nuclear power plants. With increasing use of nuclear power, safe disposal of nuclear waste can be a huge challenge.

Study Guide (Grouping CERT)

Study Guide for Week 4 (Grouping APGDRE)

Assignment A

Assignment A (Individual APGDRE 12-14)

Assignment A (Individual APGDRE 13-15)

**5 Primary Energy**

In this week, you will be studying the concepts related to primary energy consumption in different regions of the world, measurement of energy and

different ways in which primary energy is used.

The contributions to world primary energy and patterns of energy consumption and energy production across the different regions of the world over the past century or so have been changing. To compare production and consumption of energy, it is necessary to quantify energy in terms of standard units of measurement.

The primary energy resources are derived to get useful energy. However, a large proportion of the energy is lost in the process of derivation, transportation, and final utilization. Here comes the concept of conversion efficiency.

It is very important to have a clear understanding of the concepts of primary energy conversion, consumption, and its measurement. This is necessary to formulate the future line of action in order to achieve sustainability in the energy sector.

- Study Guide (Grouping APGDRE)
- Study Guide for Week 2 (Grouping APGDRE)
- Assignment Week 2
- Study Guide for the unit assessment (Individual APGDRE 12-14)
- Unit Assessment (Individual APGDRE 12-14)
- Unit Assessment: Energy (Individual APGDRE 12-14)
- Unit Assessment: Energy (Individual APGDRE 12-14)

6

#### Week 5 : Large hydro

This week we are going to study about hydro electricity. Hydroelectricity is the term referring to electricity generated by hydropower. Hydropower has been used since ancient times to grind flour and perform other tasks. Many countries are now utilizing hydropower to meet their energy demands. This week we will study about large hydro and how it is different from small hydro.

- Study Guide (Grouping CERT)

7

#### Week 6: Power sector

*"The day must come when electricity will be for everyone, as the waters of the rivers and the wind of heaven. It should not merely be supplied, but lavished, that men may use it at their will, as the air they breathe. In towns it will flow as the very blood of society. Every home will tap abundant power, heat and light like drawing water from a spring."*

Émile Zola, 'Travail', 1901

The day has come when electricity needs no introduction to us. In this sixth week of the programme, let us study about electricity.

- Study guide (Grouping CERT)
- Assignment 4 (Grouping CERT)
- Assignment 5 (Grouping CERT)
- Assignment B - El Feb 18 (Grouping CERT)
- Assignment 11 (Grouping CERT)
- Assignment 12 (Grouping Exam)

8

#### Electricity

*"The day must come when electricity will be for everyone, as the waters of the rivers and the wind of heaven. It should not merely be supplied, but lavished, that men may use it at their will, as the air they breathe. In towns it will flow as the very blood of society. Every home will tap abundant power, heat and light like drawing water from a spring."*

Émile Zola: 'Travail', 1901

The day has come when electricity needs no introduction to us. In this sixth week of the PG diploma programme on renewable energy, let us study about electricity.

- Study Group 1 (Grouping APGDRE)
- Study Group 2 (Grouping APGDRE)
- Assignment 12-14 (Individual APGDRE 12-14)
- Assignment 15-17 (Grouping CERT)

## 9 Oil and Gas

In this week, you will be studying oil and gas as primary sources of energy.

In this week, you will continue your studies on oil and gas. In the previous week, you read about oil and gas as primary sources of energy. Now, you will read about oil and gas as secondary sources of energy.

A secondary source of energy is a 'more desirable' form of energy. By 'more desirable' we mean more suited to, or more needed for, a given set of circumstances. There are many forms of secondary oil and gases. For example, oil from gas, gas from oil, gas from coal, oil from coal, and so on. Secondary sources need more attention from us because they can be used for special purposes with more convenience and efficiency.

- Study Group 1 (Grouping APGDRE)
- Study Group 2 (Grouping APGDRE)
- Assignment 18-20
- Assignment 21-23 (Grouping 2010)
- Assignment 24-26 (Grouping 2011)

## 10 Electricity

In this week, we will continue our discussion on electricity. Electricity is a secondary resource; it is generated from other primary resources. In the small scale, electricity is generated in batteries from chemicals, generators from burning oil using magnetic field, and so on. However, these are not enough to meet the huge demand for electricity. Electricity needs to be produced in large scale.

Large scale production of electricity is done in power plants. Electricity produced in power plants are distributed through power grids. This requires proper management in the power sector. In this week we shall discuss the generation and distribution of electricity.

- Study Group 1 (Grouping APGDRE)
- Study Group 2 (Grouping APGDRE)
- Assignment 27-29
- Assignment 30-32 (Grouping 2010)
- Assignment 33-35 (Grouping 2011)

## 11 Nuclear Power

In this week, we will continue our discussion about nuclear power more specifically about future of nuclear power. We will explore some of the reasons why the growth of the nuclear industry worldwide has halted in recent years, and to assess the conditions that would have to be met for it to revive. The course is therefore moving on, from the relatively non-contentious scientific and technical aspects of energy sources and their uses into areas where controversy is the norm.

It is hard to adopt a completely neutral stance in the nuclear debate. For good or ill, it often invokes strong feelings, both pro- and anti-nuclear. In this chapter you will find a coherent and balanced argument, steering a course between the extremes. Nevertheless, you should compare the account presented in this chapter with the cases presented by those who are strongly for and against nuclear power.

- Study Group 1 (Grouping APGDRE)
- Study Group 2 (Grouping APGDRE)


- 1. [Energy Infrastructure](#) (Grouping 2010)
- 2. [Energy Infrastructure](#) (Grouping 2011)

## 12 National Energy Map for India

In last couple of weeks, you have studied basics of energy, history of energy, different forms of energy; worldwide consumption pattern; shares of fossil fuels and renewable energy in overall energy use in developed and developing countries. Hardly, we got a chance to discuss about Indian energy scenario in detail and future energy demand of the country. However, the fact is that the India has recorded impressive rates of economic growth in recent years, which provide the basis for more ambitious achievements in the future. In the recent years, India's energy consumption has been increased at one of the fastest rates in the world, due to population growth and economic development. Therefore, in next two weeks we will discuss alternative trajectories of energy requirements and the possible fuel mix for the country under various resource and technological constraints.

The study material for current weeks is based on a project work, which has been carried out by TERI few years back. The project has been commissioned and supported by the office of the Principal Scientific Advisor to the Government of India.

- 1. [Study Material](#) (Grouping APGDRE)
- 2. [Study Material](#) (Grouping APGDRE)
- 3. [Study Material](#) (Individual APGDRE 12-14)
- 4. [Study Material](#) (Individual APGDRE 13-15)

  
 Capt. Pradeep K Padhy (Retd.)  
 Registrar  
 TERI School of Advanced Studies  
 10, Institutional Area, Vasant Kunj  
 New Delhi-110 070



**Format -A**

**Format for providing details of teaching staff (faculty) engaged for ODL  
programmes on full time and dedicated basis**

Academic staff

Sr no	Name of the permanent academic staff	Designation	Name of the OLD programme	Appointment letter reference number and date	Works at (Headquarters/Regional centre/study center)
1	Dr. Jami Hussain	Professor	APGDRE/PGDRE	S115 dated 16/1/2017	Head quarters
2	Dr. Priyanka Kaushal	Assistant Professor	APGDRE/PGDRE	S068 dated 21/3/2011	Head quarters
3	Mr. Sapan Thapar	Lecturer	APGDRE/PGDRE	S102 dated 28/10/2014	Head quarters



Capt. Pradeep K. Padhy (Retd.)  
Registrar  
TERI School of Advanced Studies  
10, Institutional Area, Vasant Kunj  
New Delhi-110 070

Joseph K. Padgug (Reid)  
1982  
101 School of Advanced Studies  
101 Institutional Area, Room 840  
New Delhi-110 076



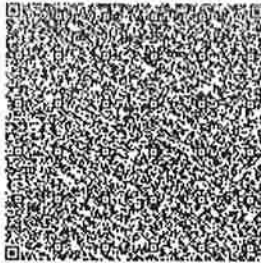
सत्यमेव जयते

## INDIA NON JUDICIAL

### Government of National Capital Territory of Delhi

#### e-Stamp

Certificate No.	: IN-DL13699525293430Q
Certificate Issued Date	: 13-Apr-2018 10:19 AM
Account Reference	: IMPACC (IV)/ dl725503/ DELHI/ DL-DLH
Unique Doc. Reference	: SUBIN-DL72550331088532759431Q
Purchased by	: REGISTRAR TERI SCHOOL OF ADVANCED STUDIE
Description of Document	: Article 4 Affidavit
Property Description	: Not Applicable
Consideration Price (Rs.)	: 0 (Zero)
First Party	: REGISTRAR TERI SCHOOL OF ADVANCED STUDIE
Second Party	: Not Applicable
Stamp Duty Paid By	: REGISTRAR TERI SCHOOL OF ADVANCED STUDIE
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



.....Please write or type below this line.....

#### Affidavit

I, Capt Pradeep Padhy (Retd) Registrar of TERI School of Advanced Studies, 10, Institutional Area, Vasant Kunj, New Delhi – 110070 do hereby solemnly affirm and declare as under:

1. That our university namely TERI School of Advanced Studies wish to apply for the recognition of programmes to be offered under Open and Distance Learning mode with effect from the academic session 2018-19 beginning in July, 2018.

I have fully understood the clauses, terms and conditions as stipulated in the University Grants Commission (Open and Distance Learning) Regulations, 2017 along with two amendments thereon notified on 11.10.2017 and 06.02.2018.



#### Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details on this certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

Capt. Pradeep K. Padhy (Retd.)  
Registrar  
TERI School of Advanced Studies  
10, Institutional Area, Vasant Kunj  
New Delhi-110070



::2::

3. That University has submitted the proposal as per the University Grants Commission (Open and Distance Learning) Regulations, 2017 and its amendments as mentioned in para 2 above.
4. That University has submitted the proposal ONLINE through the designated portal and is also submitting duly certified three hard copies of the same proposal along with all the annexures, within the specified period, to UGC.
5. That university is eligible in all respect to apply for offering education through open and distance learning mode as per UGC (ODL) Regulations, 2017 and its amendments as mentioned in para 2 above.
6. It is also declared that academic and instructional facilities meet all the conditions of UGC (ODL) Regulations, 2017, its amendments as mentioned in para 2 above and guidelines issued from time to time, and are commensurate with the number of academic programmes and learner's strength thereto. It is also declared that these are as per the other applicable Regulations of UGC.
7. That the University has been offering education through open and distance learning mode with the approval of UGC/Erstwhile DEC and has not violated any of the terms and conditions as stipulated in the approval/ recognition letter No. F.No. 6-10/2016 (DEB-I)/511 dated 5/11/2016 and norms issued by the relevant / concerned statutory bodies time to time.
8. That the university shall scrupulously abide by UGC (ODL) Regulations, 2017 and its amendments as mentioned in para 2 above while imparting education through open and distance learning mode after getting the approval of UGC.
9. That all the information given by the university in the proposal submitted to UGC is complete, true and correct.
10. That I am fully aware of the consequences, if the University fails to abide by UGC (ODL) Regulations, 2017 and its amendments as mentioned in para 2 above.
11. That I am fully aware that in case any information, documentary evidence submitted/ produced by the University is found to be false or fake at a later stage, or in case of any violation, the recognition of University shall be withdrawn and UGC may also take other punitive measures mentioned in UGC (OLD) Regulations, 2017 and its amendments as mentioned in para 2 above. I am also fully aware that it is the sole responsibility of the University for the career consequences of students, if any, arising out of the same.

**Verification:**


I, the above named deponent do hereby verify on 18/04/2018 at New Delhi that the contents mentioned above are correct and true statements.




**ATTESTED**

Notary Public Delhi

11 9 APR 2018

  
DEPONENT  
Capt. Pradeep K Padhy (Retd.)  
Registrar  
TERI School of Advanced Studies  
10, Institutional Area, Vasant Kunj  
New Delhi-110 070

  
DEPONENT  
Capt. Pradeep K Padhy (Retd.)  
Registrar  
TERI School of Advanced Studies  
10, Institutional Area, Vasant Kunj  
New Delhi-110 070

New Delhi-110 070  
10, Institutional Area, Vasant Kunj  
TERI School of Advanced Studies  
Registration  
Capt. Pradyumn K. Pandey (Retd.)

New Delhi-110 070  
10, Institutional Area, Vasant Kunj  
TERI School of Advanced Studies  
Registration  
Capt. Pradyumn K. Pandey (Retd.)



### **Programme Project Report (PPR)**

- **Mission & Objectives**
  - **Mission:** TERI School of Advanced Studies aspires to contribute globally by serving society as a seat of advanced learning and to promote learning through teaching and through creating and sharing knowledge
  - **Objectives:** To enhance the understanding and skill sets of professionals meeting the requirements of industry in the field of renewable energy by providing value based education
- **Relevance of the program with TU's Mission and Goals**
  - TERI School of Advanced Studies was conceived to cater to the need of disseminating the vast reservoir of knowledge created by TERI, a not for profit, independent research institute recognized globally for its contribution to scientific and policy research in the realms of energy, environment, and sustainable development. Recognizing the growing need of professionals trained in various aspects of renewable energy such as technologies, policies and finance, an Open and Distance Learning programme was started in the year 2009, offering 2-year and 1-year Post Graduate Diploma in Renewable Energy. The curriculum was designed with inputs from sector experts and the OPEN University, UK.
- **Nature of prospective target group of learners**
  - The programme is designed to enhance the knowledge of stakeholders across the energy value chain. These include policy makers/ regulators, investors, project designers, entrepreneurs, project managers, financiers and students. Most of the participants are mid-career professionals, who intend to increase their knowledge and skill-set in these areas.

- Appropriateness of programme to be conducted in Open and Distance Learning mode to acquire specific skills and competence:
  - The programme has been designed keeping into account the evolving technological and policy landscape in the RE sector. The learning outcomes include design and analysis of RE technologies; critical assessment of energy policy; undertaking feasibility analysis of emerging business opportunities.
- Instructional Design
  - The curriculum has been designed to meet the skilling requirements of both the students as well as the industry. Sector experts are involved in content design and development, besides dissemination of lectures. All the four semesters have weightage of 20 credits each (split into modules/ chapters) and are run for 20 weeks each. Most of the faculty members (both internal and external) are sector experts. Students use a dedicated portal to access the learning material, which is also shared in hard format (book). Face to face interactions / webinar sessions are conducted at a regular frequency and recorded lectures are also made available to the students. Assignments, including case studies, need to be attempted after completion of a module (through the portal itself). Both the assignments and the end- semester exams carry a certain weightage in the final grades.
- Procedure for admissions, curriculum transaction and evaluation
  - Admissions are opened twice a year for the summer and the winter batches respectively. The details with regard to the minimum educational eligibility, fee structure and the course structure are provided on an upfront basis. A Student Handbook (available on the University website) provides all information about the rules and regulations governing the Programme, which includes the marking scheme. The semester schedule is shared with the students before the start of the



academic activity, detailing the activities planned during the semester.

- Requirement of the laboratory support and Library Resources:
  - Students have an opportunity option to undertake experiments in the Power and Energy laboratories at the University Campus. Access to library is provided to the students. Being an emerging sector, latest news, policies and research reports are shared with the students on a regular basis. The students are invited to the workshops/ seminars organized at the University Campus.
- Cost estimate of the programme and the provisions:
  - The cost estimate includes the following items –
    - Programme development - 40% [It includes development and designing of learning material, its review & updation, designing of assignments and examination papers]
    - Programme delivery - 30% [It includes programme management, dissemination of Learning Material like books & learning material, conducting webinars & lectures, conducting exams & assignments, result processing]
    - Programme maintenance - 30% [It includes maintaining hardware, software an, networking, its maintenance]
- Quality assurance mechanism and expected programme outcomes
  - There is a mechanism for review and update the course content using both inhouse faculty members and sector experts. Feedback solicited from the participants and the industry experts are incorporated to enhance the overall efficacy of the Programme.



Capt. Pradeep Kumar Padhy (Retd.)  
Registrar and Head (Outreach)  
TERI University  
10, Institutional Area, Vasant Kunj  
New Delhi -110 070

