



10, INSTITUTIONAL AREA, VASANT KUNJ, NEW DELHI

42nd MEETING OF THE ACADEMIC COUNCIL

MINUTES OF THE FORTY SECOND MEETING OF THE ACADEMIC COUNCIL HELD ON 02 APRIL, 2018 AT 10.30 A.M.

PRESENT

The following members of the Academic Council attended the meeting:

Members

Prof Leena Srivastava
Prof Rajiv Seth
Prof Shri Prakash
Prof Prateek Sharma
Prof Arun Kansal
Prof TC Kandpal
Prof Vivek Suneja
Prof Suresh Jain
Prof Sitaraman Ramakrishnan
Prof Anandita Singh
Prof Manipadma Datta
Dr Nandan Nawn
Dr Sudipta Chatterjee
Dr Chaithanya Madhurantakam
Dr Naqui Anwer
Dr Anu Rani Sharma
Dr Kamna Sachdeva

Chairperson

Invitees

Dr Seema Sangita
Mr Sapan Thapar
Dr Vinay Shankar P Sinha

Capt. Pradeep Kumar Padhy (Retd.) Secretary

Dr Rakesh Khosa, Prof Kanchan Chopra, Dr Malathi Lakshmikumaran, Dr Anubha Kaushik, Prof Shaleen Singhal, Dr Sapna A Narula, Dr MV Shiju and Ms Fawzia Tarannum could not attend the meeting.

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

Item No. 1. **To confirm the minutes of the forty first meeting of the Academic Council held on 13 November 2017.** The Registrar informed that the minutes of the 41st meeting of the Academic Council, held on 13 Nov 2017, were circulated to the members and no comments have been received so far.

TS/AC/42.1.1. The Council resolved that the minutes of the meeting of the 41st Academic Council held on 13 November 2017 be confirmed.

Matters for information.

Item No. 2(a). **Change of Name of the Deemed University.** The Registrar informed that the Hon'ble Supreme Court vide an order in Nov 2017 had directed the UGC to ensure that Deemed to be Universities be restrained from using the word "University". He informed that the UGC in a letter dated November 10th had written to the University asking to take necessary action within 15 days and accordingly, the name of TERI University had been changed to '*TERI School of Advanced Studies*' with the approval of the Board of Management w.e.f.23 Nov 2017.

The Council noted the matter.

Item No. 2(b). **Setting up of Centre for Distance Education.** The Registrar informed that as per the UGC Open & Distance Learning Regulations-2017, institutions offering ODL programmes are required to have a Center for Distance Education for operationalizing these programmes. He informed that accordingly, a Centre for distance Education has been set up under a Centre Head with the approval of the Board of Management.

The Council noted the matter.

Item No. 2(c). **Setting up of Solar Energy Lab:** The Registrar informed that an outdoor solar energy lab has been established in the campus. He stated that the lab had experimentation facility for solar radiation measurement, sunshine duration recording, testing and standardization of box type solar cooker, testing and standardization of concentrator solar cooker, performance analysis of basin type solar still, solar greenhouse and solar dryer. Prof Atul stated that the lab aimed to provide more experimental exposure to the students. He mentioned that the indoor and outdoor facility are created and both had been connected through data cables for analysing and tracking the data. Prof Kandpal suggested that in addition to the facilities being offered, it should also include flat plate solar collector, and anything related to solar thermal power, which had good potential in market where the students would get opportunities to work in experiments on Evacuated Tube Collector(ETC) testing, receiver testing of Linear Fresnel Reflector (LFR) etc

The Council noted the matter.

Item No. 2(d). **Setting up of Analytical and Geochemistry Lab:** The Registrar informed that a analytical and geochemistry lab had been setup in the campus to cater to the needs for research in understanding the earth sciences problems and providing solutions

to these problems. He informed that the laboratory was engaged in understanding the natural occurrence of Arsenic, Fluoride and Uranium in groundwater.

The Council noted the matter.

Item No. 2(e). Accreditation by NAAC: The Registrar informed the Council that TERI SAS would be due for its second round NAAC accreditation in 2018. He stated that as required by NAAC a comprehensive 'Self Study Report' had been submitted on 16 Jan 18 to NAAC for the 2nd cycle accreditation.

The Council noted the matter.

Item No. 2(f). Submission of application for AICTE approval of technical Programmes. The Registrar informed that on 03 Nov 2017 the Hon'ble Supreme Court while perusing a case, directed that all technical programmes offered by Deemed Universities would require AICTE approval. He stated that accordingly, AICTE had urged Deemed Universities to apply as new Institutes for taking approval for the technical programmes conducted by them. He informed the Council that an application for approval of the five technical programmes conducted at TERI SAS had been submitted to AICTE on 02 Feb 18.

The Council noted the matter.

Item No. 2(g). The Vice Chancellor informed the Council about the recognition of TERI SAS as a Category II Institution under UGC's graded autonomy system. She intimated that this recognition enabled the University to offer programmes only with the approval of the Academic Council.

The Council noted the matter.

Item No. 3. Presentation on Off-Campus Centre at Hyderabad. The Registrar informed the Board that M/s Mindspace, a Bangalore based firm had been contracted to provide architect consultancy for the Hyderabad project. He gave a detailed presentation on the proposed G+1 structure (main building) and other green features of the campus. The Registrar informed that phase-I would be located on the northern part of the site so as to take advantage of the sloped terrain thus facilitating views right up to the horizon from every corner. The Registrar intimated that the entire upper half of the site consisted of filled up soil & boulders and therefore the foundation had been specially prepared for a G+2 structure. A walk through on the full design was shown to the Council members at the end of the presentation. The Registrar informed that M/s KNK construction Ltd, a Bangalore based company had been contracted for the carrying out civil works of the first phase by October 2018.

While discussing about the proposed academic programmes to be introduced in the campus, the VC informed that the model of introducing PhD programmes and then gradually migrating to Masters programmes as was tried out in the formative years of TERISAS could be an option for Hyderabad Campus. She mentioned that all the TERISAS off campuses that were being planned whether in Guwahati or Hyderabad, would be extension of the classrooms located in New Delhi campus

and vice versa, through the use of ICT so that the same standards were maintained in all the locations.

Prof. Vivek Suneja enquired about the nature of administrative characteristics of the Off campus. The Pro VC informed that as per the guidelines of UGC, the off campus would be under complete administrative control of the main campus. The Registrar informed that the Hyderabad campus would be under a single administrative set up, integrated by use of ICT in general, and more specifically by an ERP. He informed that efforts are on to integrate the campuses so that the academic, admin and financial activities could be monitored from the New Delhi campus.

Dr Prateek Sharma informed that initially the thought process was to replicate the programmes like ESRM & REEM which were running successfully at New Delhi and Geoinformatics which would be appropriate for an IT based place like Hyderabad. He stated that the New Delhi Campus had IT enabled class rooms which could deliver the lecture in real time at the off campus. Dr Nandan stated that in the first-year existing programmes could be offered instead of new programmes since each of the programmes at Delhi had a clear USP which focused on sustainable development. He further stated that through launching of MDPs and other Certificate Programmes wef July 2018 the presence of University could be made felt in Hyderabad and adjoining areas. Prof Shri Prakash suggested that MA(PP&SD) programme could be considered in the first year, as two state Government's i.e. Telangana and Andhra Pradesh were involved, and they were looking for capacity development of their officers. Prof Datta suggested that the local requirements had to be integrated gradually while finalizing the programmes for Hyderabad Campus. Dr Seth stated that Open & Distance Learning would grow in the present scenario, he however cautioned that the value attached to the degree earned from ODL is very low compared to the regular mode in India. He stated that the Diplomas did not hold the same value as Degrees therefore the University would be focussing on a physical campus with regular courses rather than on ODL mode only. Prof Suneja opined that the demand for ODL was likely to grow and the University could consider exploiting the same, he however cautioned that the pedagogy vision for the new campus should be clearly thought of to have complete clarity. The VC clarified that the approve programmes would be run by faculty members from Hyderabad campus, but the extended class concept would be used to maximise the use of experts available at both locations. Prof Kandpal stated that that one should be careful while integrating both ODL and physical programmes as the reputation should be built on competence.

TS/AC/42.3.1. The Council resolved that members would forward their comments and suggestions to the Chairman for further course of action on the types of academic programmes to be launched at the new campus.

Item No. 4. Presentation on Exam System. Controller of Examination, TERI SAS gave a presentation on Examination system highlighting various processes followed in conduct of examination and declaration of result. Dr. Seema Sangita presented the broader theme of Evaluation Process at TERI SAS, which included the Exam system. The academic council was appraised of the rules and regulations pertaining to

evaluations and examinations at TERI SAS. An update on the actions of the disciplinary committee and other strategies to minimize malpractices during exams were presented. Thereafter, the discussion veered towards an evaluation process that goes beyond traditional examinations. It was emphasized that it was important to evaluate students' ability to understand, apply, analyze, evaluate and create, and not just remember the material. The CoE intimated that with respect to these aspects, TSAS had always laid emphasis on major projects, minor projects and dissertations and substantial components of the credits of all the programs consisted of these activities. She informed that other forms of evaluations such as literature surveys, term papers, laboratory assignments, policy designing assignments, etc. were also used in different courses at TSAS. This led to a detailed deliberation about effective ways of evaluation of student progress among all the academic council members. Some of the key perspectives that emerged were:

1. There was a unanimous agreement on the need for more modern forms of evaluation rather than just focus on exams.
2. Dr. Vivek Suneja pointed out that there might be many learning processes that were essential but could not be evaluated.
3. Prof T. C. Kandpal elaborated on the need to ensure that every component of the course objective was mapped to evaluation process.
4. Faculty members of TSAS present in the meeting validated the efforts made towards finding innovative evaluation process across different programs.
5. It was broadly concluded that these were important matters for discussion by University and faculty members on a continuous basis.

TS/AC/42.4.1. The Council recommended the need to ensure that components of course objectives should be mapped to the evaluation process.

Action: CoE & Dean (Academic)

Item No. 5. To consider and approve programme outline for Certificate Programmes through ODL. The Registrar informed that the UGC (Open and Distance Learning) regulations 2017 stipulated that Higher Educational Institutions might continue to offer Certificate or Diploma or Post Graduate Diploma programmes subject to the condition that all the Certificate or Diploma or Post Graduate Diploma programmes are duly approved by the statutory authorities or bodies of the respective Higher Educational Institutions. Mr Sapan Thapar presented the draft of the Programme outlines of the Certificate Courses offered through Open and Distance Learning to the Academic Council. Prof Kandpal suggested that no course should have credits more than 4 and title of each course must reflect the specific content. He recommended that the programme contents should be changed accordingly. Mr Sapan Thapar of the Centre for Distance Education, noted the comments/suggestions of the Academic Council with regard to rationalizing of credits for few of the courses being offered. Mr Thapar informed that since the work involved restructuring/ reconfiguring the learning material, generating new course codes and de-clubbing of assignments and examinations of APGDRE & PGDRE courses as well, hence the revised course structure of the APGDRE, PGDRE and Certificate Programmes would be put up in the next academic council for consideration.

TS/AC/42.5.1. The Council resolved that reviewed programme outlines wrt APGDRE, PGDRE & Certificate programme be presented in the next Academic Council

Action: Centre for Distance Education

Item No. 6. To consider and approve CGPA/SGPA required for award of Degree. The Registrar presented the revised criteria for requirement of CGPA/SGPA for award of Degrees. The council held detailed discussion on the issue.

- TS/AC/42.6.1.** The council resolved to approve the followings:
- a) The SGPA at the end of the first Semester should be no less than 5.0 for the continuation of registration for the next semester.
 - b) The CGPA at the end of the second semester should be no less than 5.5 for the continuation of registration for the subsequent semester.
 - c) The CGPA at the end of the third semester should be no less than 6.0 for the continuation of registration for the subsequent semester.
 - d) Students are required to acquire a CGPA no less than 6.0 in a Programme to qualify for the award of the degree. In case CGPA is less than 6.0 at the end of meeting the ordinary credit requirements of given Programme, the student shall take additional courses /undertake an additional project, until the CGPA requirement is met.
 - e) These regulations shall be effective from Academic Year 2018-19.

Action: Registrar & Dean (Academic)

Item No. 7. To consider and approve entry qualification for approved programmes. The Registrar presented the minimum entry qualification for various programmes to the Council. He stated that the criteria conformed to the UGC notification NO F.5-1/2013(CPP-II), Mar 2014 on nomenclature of Degrees, minimum entry level qualification and duration. The Council had a detailed discussion on the criteria for all the programmes.

TS/AC/42.7.1. The council resolved to approve the entry qualifications (Annexure 1).

Item No. 8. To consider and approve TERI SAS Guidelines for engaging Guest Faculty. The Registrar presented the draft guidelines recommended for engaging Guest faculty at TERI SAS. Members recommended certain modifications to the proposed guidelines.

TS/AC/42.8.1. The council resolved that the TERISAS guidelines for engaging Guest Faculty be approved as amended (Annexure 2).

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 Mr. Nehru Machineni (1032RPB) and Ms Sneha Singh (1036RBB) who had registered for PhD programme in Department of Natural Sciences/Department of Biotechnology respectively, completed their five-

year period in March-2018/September-2017 and on the recommendation of the supervisor, approval was sought for an extension of one year for the submission of the thesis.

TS/AC 42.9.1. The Council resolved that one-year extension be accorded to Mr.Nehru Machineni (1032RPB) and Ms Sneha Singh (1036RBB).

Item No. 10. Audit of TERI SAS. The Vice Chancellor intimated that there is a need to carry out quality assessment of all the processes of the University to ensure that they were relevant and if necessary bring in course correction for further improvement. She requested external council members to support the endeavour and participate in the auditing process.

TS/AC 42.10.1. The council resolved that an Internal Audit would be conducted by a Committee consisting of experts external to the University. For this purpose, the terms of reference of the Committee undertaking such an audit would be prepared. Further, before such an audit, an internal audit by a faculty team of TERISAS might be conducted.

Action: Dean (Academic)

Enclosures: -

1. Annexure 1
2. Annexure 2

ENTRY QUALIFICATION FOR VARIOUS PROGRAMMES

Programme (Specialisation)	Duration	Entry Qualification
M Sc (Environmental Studies and Resource Management)	2 years	A Bachelor's degree in Science/Engineering/Economics/Mathematics/Statistics/Geology/Geography with a minimum cumulative grade point average of 6.75 on a 10 point scale or equivalent, as determined by TERI SAS, wherever letter grades are awarded, or 60% marks in aggregate, wherever marks are awarded. For candidates with bachelor's degree in Humanities (e.g. Economics/Geography), a relaxation of 5%/0.75 Cumulative Grade Point Average could be allowed.
M Sc (Climate Science and Policy)	2 years	A Bachelor's degree in Science/Engineering/Economics/Mathematics/Statistics/Geology/Geography with a minimum cumulative grade point average of 6.75 on a 10 point scale or equivalent, as determined by TERI SAS, wherever letter grades are awarded, or 60% marks in aggregate, wherever marks are awarded. For candidates with bachelor's degree in Humanities (e.g. Economics/Geography), a relaxation of 5%/0.75 Cumulative Grade Point Average could be allowed.
M Sc (Geoinformatics)	2 years	A Bachelor's degree in Science/Engineering/B. Arch/Economics/Mathematics/Statistics/Geology/Geography
M.Sc (Plant Biotechnology)	2 years	A Bachelor's degree in Sciences/Engineering/Technology.
M Sc (Economics)	2 years	B.A. (Hons.) / B.Sc. (Hons.) in Economics with 50 % or more marks in aggregate (CGPA of 5.65) OR Bachelor degree in any other discipline with at least 60% marks in aggregate (CGPA of 6.75). The applicant must have studied mathematics either at 10+2 level or at Bachelor's level, either as subsidiary or as honours.
M Sc (Water Science and Governance)	2 years	Graduate (B.Sc/B.A) or equivalent from any branch of Engineering, Environmental Science, Physics, Mathematics, Statistics, Chemistry, Geology, Atmospheric Science, Economics, Geography, Zoology, Botany, Anthropology, Agricultural Science.
MA (Sustainable Development Practice)	2 years	Graduation degree in any discipline, from a recognized institution / university. Candidates with prior experience in development sector would be preferred, although it is not mandatory.
MA (Public Policy and	2 years	Graduation with a minimum experience of five years in

Programme (Specialisation)	Duration	Entry Qualification
Sustainable Development)		any of the following sectors: government, regulatory bodies, industry, research/academic institutions, NGOs and donor/consultant organizations.
MBA (Infrastructure)	2 years	<p>1. Bachelor's degree in any discipline with English at 10+2 level.</p> <p>2. The candidate will be shortlisted based on CAT/MAT/GMAT/CMAT/XAT scores. Candidates who have not appeared for the above exams can take the TERI School of Advanced Studies common entrance test.</p> <p>3. Candidates with more than 2 years of relevant work experience may be exempted from requirement (2) above depending on the discretion of the selection committee.</p>
MBA (Business Sustainability)	2 years	<p>1. Bachelor's degree in any discipline with English at 10+2 level.</p> <p>2. The candidate will be shortlisted based on CAT/MAT/GMAT/CMAT/XAT scores. Candidates who have not appeared for the above exams can take the TERI School of Advanced Studies common entrance test.</p> <p>3. Candidates with more than 2 years of relevant work experience may be exempted from requirement (2) above depending on the discretion of the selection committee.</p>
M.Tech (Renewable Energy Engineering and Management)	2 years	A Bachelor's degree in any branch of engineering or MSc with a minimum cumulative grade point average of 6.75 on a 10 point scale or equivalent or 60% marks in aggregate
M.Tech (Urban Development and Management)	2 years	A Bachelor's degree B.E./B. Tech in any branch/discipline, B. Arch., B. Planning, OR Masters or equivalent degree in Science.
M.Tech (Water Resources Engineering and Management)	2 years	Graduation or equivalent degree from any branch of Engineering or Postgraduate or equivalent in Environmental Science, Physics, Mathematics, Statistics, Chemistry, Geology, Atmospheric Science, Economics, Geography, Agricultural Science with mathematics at 10+2 level.
Diploma (Water Science and Governance)	1 year	Graduate (B.Sc/B.A) or equivalent from any branch of Engineering, Environmental Science, Physics, Mathematics, Statistics, Chemistry, Geology, Atmospheric Science, Economics, Geography, Zoology, Botany, Anthropology, Agricultural Science.
Advanced PG Diploma in Renewable Energy (ODL)	2 years	A graduate in any stream.
Post Graduate Diploma in	1 year	A graduate in any stream.

Programme (Specialisation)	Duration	Entry Qualification
Renewable Energy(ODL)		
Certificate courses (ODL)	6 months	A graduate in any stream.
LLM	1 year	LLB/BL degree from a recognized university/Institution

GUIDELINES FOR ENGAGEMENT OF GUEST FACULTY IN THE UNIVERSITY

1. **Introduction.** Guest faculty may be engaged in specific courses/subjects to supplement the teaching process in the University. Guest faculty engagements should be kept to the barest minimum with the prior approval of the Dean(Academic).
 2. **Eligibility.** The qualification of the guest faculty should be the same as those prescribed for faculty for TERI SAS from time to time.
 3. **Exception.** In exceptional cases, guest faculty not possessing desired eligibility conditions may be engaged on the specific recommendation of a Selection Committee and on approval of the Dean (Academic).
 4. Procedure for selection: -
 - (a) Retired faculty or Individuals who have already held a teaching positions in a recognized University or possessing relevant experience in reputed institutions/industry, may be invited for teaching without any formal interview on the recommendations of the Head of the Department with prior approval of the Dean (Academic).
 - (b) In other cases, Heads of Departments/Centres are required to send their proposals for Guest Faculty four weeks ahead of the commencement of the semester to the Registrar. These requirements shall be put on the website for a period of two weeks for wider information. The selection procedure in such cases shall be through a duly constituted Selection Committee comprising of the following:
 - (i) Dean (Academic)
 - (ii) Two Professors
 - (iii) Head of the Department/Centre
 - (iv) Programme Coordinator
 - (v) Assistant Registrar (Non member Secretary)
- A guest faculty can be engaged up to a maximum period of six semesters.
5. The Guest faculty may be paid as per the rates decided by the University from time to time.
 6. On selection, a contract on nature of assignment and the remuneration conditions to be signed with the selected faculty involving full semester engagements.

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