

# Tenth Meeting of the Senate

4<sup>th</sup> April 2014, 11:00hrs

## AGENDA



### **ACADEMY OF SCIENTIFIC AND INNOVATIVE RESEARCH**

**Headquarters:** Training and Development Complex,  
CSIR Campus, CSIR Road, Taramani, Chennai- 600 113

**Coordination Office:** CSIR-Central Road Research Institute,  
CRRRI P.O., Delhi-Mathura Road, New Delhi- 110 025

# Academy of Scientific and Innovative Research

## Agenda for the 10<sup>th</sup> Meeting of the Senate

4<sup>th</sup> April 2014; 11:00hrs

Venue: Room No. 101, Anusandhan Bhawan, CSIR HQ, New Delhi-110 001

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## Initiation of the Meeting

### **Item No. 1: Welcome address by the Chairman of the Senate and Acting Director, AcSIR**

Remarks by the Chairman, Senate of Academy of Scientific and Innovative Research (AcSIR) welcoming all the members attending the meeting.

### **Item No. 2: Confirmation of the minutes of the 9<sup>th</sup> meeting of the Senate**

The 9<sup>th</sup> meeting of the Senate of AcSIR was held on December 19, 2013 at Room No. 101, Anusandhan Bhawan, Rafi Marg, New Delhi.

The proceedings of the 9<sup>th</sup> meeting were accepted by the Chairman and circulated among the members of the Senate by e-mail on January 22, 2014 for their comments/ observations.

No comments have been received from any of the members.

The minutes are being put to the Senate for confirmation as **Annexure A-1**.

### **Item No. 3: Action Taken Report (ATR) on the 9<sup>th</sup> Meeting of the Senate**

The Action Taken Report on the Proceedings of the 9<sup>th</sup> meeting of the Senate of AcSIR held on December 19, 2013 is furnished as **Annexure A-2**.

## Items for Approval

### **Item No. 4: In principle permission to take up Monbukagakusho Scholarship for two years**

**Background:** Ms. Deepika Yadav, QHS-Trainee at CSIR-NPL is pursuing Ph.D. AcSIR. She has been selected for the prestigious Monbukagakusho Scholarship (Japanese Government Scholarship) and has put forward a request for a six months leave which may be extended up to two years to pursue research under the aforementioned scholarship in Japan. The request has been duly approved by the Director, CSIR-NPL for consideration of the Senate, AcSIR.

**Proposal:** The details are being placed at **Annexure A-3** for necessary approval of the Senate.

### **Item No. 5: Request for extending the last date for enrollment at AcSIR due to delay in receipt of fellowship award letters**

**Background:** Five students who were selected for admission to the Ph.D. program at CSIR-NIIST in Chemical Science for January 2014 session could not join on stipulated last date for enrollment as they did not receive their fellowship award letters from CSIR in time.

Now they have obtained their award letters and have joined CSIR-NIIST as JRFs.

**Proposal:** On recommendation of the Dean, Chemical Sciences, it is put up to the Senate for its consideration and approval for admission to Ph.D. for January 2014 session, if appropriate.

Relevant documents are being placed as **Annexure A-4**.

## Items for Approval

### Item No. 6: **Proposed Guidelines for Students with Science degree for Integrated (Direct) PhD and Industry Sponsored PhD**

**Background:** The Senate in its 9<sup>th</sup> meeting approved in-principle the following provisions:

1. Introduction of Integrated (Direct) PhD program in Science for students after completion of their undergraduate degree
2. Introduction of PhD program in Science for Sponsored Candidates

A Senate subcommittee was formed under Chairmanship of Prof. Kunal Ray, Associate Director, AcSIR having representatives from all faculties of Science and Engineering to formulate guidelines for the above mentioned.

**Proposal:** The report of the subcommittee is being placed at **Annexure A-5** for review and approval by the Senate.

### Item No. 7: **Update on Publication Guidelines**

**Background:** Guidelines for giving credit to AcSIR in publications were circulated by Prof. Kunal Ray, Associate Director, AcSIR through email dated 19<sup>th</sup> March 2013 wherein an AcSIR faculty publishing paper with his/ her student enrolled in AcSIR were suggested to include affiliation to AcSIR in any publication.

It is being observed that different laboratories are providing affiliation of AcSIR either with the address of the Head Quarters or that of the laboratory. In some cases AcSIR is written without the acronym, which should normally be used for ease of search. Therefore, it is felt necessary to propose a uniform format for describing affiliation of AcSIR.

**Proposal:** It is proposed that the affiliation of AcSIR in publication may be given using the following format:

**“Academy of Scientific and Innovative Research (AcSIR) at CSIR-Lab Name, City”**

Approval of the Senate is requested on the above.



## Items for Approval

### Item No. 8: **Proposal for changes in procedural details related to grade calculation, thesis submission etc.**

**Background:** The procedures for some academic activities like grade calculation, thesis submission etc. are followed as per **Ordinance No. 7 (Examinations)**. It appears that certain a few procedural details may be implemented for uniformity and improvement of the academic activities with respect to student evaluation and examination as follows:

- a) Grade point Calculation: Most of the laboratories award grade point up to two decimal places and make calculation without rounding off to the first decimal place. However, some of the labs are rounding off the grade points which in some cases affecting the final grade (e.g. 7.96 to 8.0).

It is proposed that all the labs uniformly retain grade points up to two decimal places for final grade calculation.

- b) Distinction: Unlike common practice in most of the Universities, in AcSIR we do not yet have a written provision for awarding the students with a 'Distinction' for getting excellent grade points. However, in our official communications regarding the M.Tech students we refer the students earning CGPA 8.0 or above as having passed with Distinction.

Therefore, it is proposed that the M.Tech students acquiring CGPA 8.0 or above be marked as having passed the exam with Distinction and it is mentioned in their Certificates.

- c) Submission of PhD Thesis for examination: At present, the students are required to submit hard copies of the PhD thesis for examination. However, it would be logistically useful step to include an option of sending a soft copy (secured pdf format) instead of a hard copy of the PhD thesis to the examiner if he/ she so desires.

Therefore, the Senate may consider approval of the above mentioned option for examination of PhD thesis.

## Items for Approval

### **Item No. 9: Proposed MoU between AcSIR-NML and Jomo Kenyatta University of Agriculture and Technology (JKUAT), Nairobi, Kenya**

**Background:** Representatives of Jomo Kenyatta University of Agriculture and Technology (JKUAT), Nairobi, Kenya had recently visited AcSIR-NML, Jamshedpur with a proposal for initiation of a collaborative academic program between JKUAT and AcSIR at AcSIR-NML.

JKUAT, Kenya is keen to enter into an MoU with AcSIR-NML for joint academic program for the following reasons:

- (i) To facilitate admission of overseas students to Ph.D as well as for M.Tech programs of AcSIR under a joint program of JKUAT and AcSIR.
- (ii) To explore the possibility of a joint academic program between JKUAT and AcSIR, in absence of any known inter-Governmental fellowship scheme between India and Kenya.

**Proposal:** Approval is sought from the Senate for CSIR-NML to explore the possibilities for entering into an Agreement/MoU between AcSIR and JKUAT.

Necessary background material for the proposed collaboration, as received from CSIR-NML is placed at **Annexure A-6**.

### **Item No. 10: Proposed MoU between AcSIR and University of California Advanced Solar Technologies Institute (UC Solar)**

**Background:** Dr. Bala Pesala, Coordinator of Renewable Energy program at CSIR-SERC recently visited Prof. Roland Winston, Head, University of California Advanced Solar Technologies Institute (UC Solar). During the discussion, it has been proposed to sign an MoU between AcSIR and “UC Solar” covering cooperation in the field of **renewable energy research and education** which would be mutually beneficial to both the organizations, specifically the AcSIR Renewable Energy program at CSIR-SERC, Chennai.

**Proposal:** The draft MoU is being placed as **Annexure A-7** for review and approval as appropriate.

## ITEMS FOR DISCUSSION

### Item No. 11: Inclusion of Director and Associate Director of AcSIR as its faculty

**Background:** It is not mentioned explicitly in AcSIR rules and regulations whether the Directors and Associate Directors of AcSIR are recognized as its Faculty. This clause is important particularly for such persons with academic credentials holding these positions who are either retired scientists from CSIR system or academicians from other organizations. The following proposal is made to the Senate for its consideration and approval.

**Proposal for discussion and consideration of Senate:** The Director and the Associate Director hired by the Academy of Scientific and Innovative Research (AcSIR) with having clear documented evidence of scientific background for taking leadership role in research and/or teaching will be considered as the Faculty of AcSIR. In that context, the person holding such position will have the freedom to participate in academic activities (e.g. collaborative research, guide students, publish papers, teach etc.) without affecting the primary responsibility at the Academy in any manner. The faculty position will be corresponding to the position of equivalence of the scientists, Directors, etc. of CSIR.

### Item No. 12: Proposal for admission of CSIR Group III staff for PhD program of AcSIR

**Background:** A request has been received from Coordinator of CSIR-IHBT seeking permission of the Senate for the opportunity for a Group III staff of CSIR-IHBT to enroll in AcSIR PhD program. The candidate, Mr. Mohit Kumar Swarnkar has been working as Technical Officer Gr. III (3) w.e.f. 4.05.2011 at the CSIR Lab. He is a M. Tech. (Biotechnology) with aptitude for research, as evidenced by his high impact publications as a co-author in international journals, including Cell Press-Structure, Zebrafish, PlosOne, BMC Genomics and ASM-Genome Announcement.

**Proposal for discussion and consideration of Senate:** The Ordinances of AcSIR providing guidelines on 'Student Selection, Admission and Reservation Policy' (Ordinance 3) do not have any provision for admission of serving Group III staff of CSIR for the PhD program of AcSIR. The Senate is requested to initiate a discussion and give a decision on Group III staff joining PhD program of AcSIR.

**(Annexure A-8)**

### **Item No. 13: Request to allow Thesis submission before completion of minimum residency period**

**Background:** A request has been received from the Coordinator of CSIR-NCL to allow two Ph.D. students of the laboratory, who have completed their all academic requirements, to submit their theses before completion of the mandatory requirement of minimum residency of four semesters.

The Coordinator of CSIR-NCL has sought approval for submission of theses of the following students:

Mrs. Deepti Mishra (Enrollment No. 10CC13J26026) “a student of Dr. Sourav Pal, Director, CSIR-NCL has registered in AcSIR in January 2013. Although her residence period is less than the stipulated minimum period for submitting thesis, she has already completed all the requirements for submitting her synopsis and subsequently her thesis. She had completed more than five years as research student. She has completed all the coursework requirements and successfully completed the comprehensive viva also.”

And

Ms. Shruti Agarkar (Enrollment No. 10CC12A26019), “a student of Dr. S. B. Ogale, Chief Scientist, CSIR-NCL has registered in AcSIR in August 2012. Although her residence period is slightly less than the stipulated minimum period for submitting thesis she has already completed all the requirements for submitting her synopsis and subsequently for the thesis. She had completed more than five years as research student. She has completed all the coursework requirements and successfully completed the comprehensive viva also.”

**Status:** As per Clause 4.2.1 of the AcSIR Ordinances the minimum residency period each of the students has to complete before submission of thesis are **4 semesters**.

**Proposal:** The details are available at **Annexure A-9** for consideration of the Senate.

## Items for Ratification

### Item No. 14: Admission Related Items

#### (i) Ratification of Admissions in PhD program (January 2014 session)

The admission for Ph.D. program in Science and Engineering of the January 2014 session has been completed at different participating CSIR laboratories.

In all **386** students have been selected, the Lab-wise list of selected candidates in the Ph.D. programs with proper approval from cluster Deans and the Chairman, Senate are being submitted to the Senate for ratification as **Annexure A-10**.

#### (ii) Special consideration for admission of Mr. Praveen Rawat, CSIR-NISTADS

**Background:** One of students selected for January 2013 session for Ph.D. in Science at CSIR-NISTADS, Mr. Praveen Rawat, did not apply through the regular AcSIR online portal, but through the NISTADS admission portal.

The January 2013 session of Ph.D. at CSIR-NISTADS got deferred by six months to August 2013 session. Subsequently, when the session commenced in August 2013, he was not called for joining due to some miscommunication. On enquiry, he was suggested at CSIR-NISTADS to apply for the January 2014 session to formalize his enrollment. However, he was not considered by the Selection Committee during that time.

**Status:** As he had already cleared the Selection Committee interview for January 2013 session, his case was approved for admission by the Chairman, Senate as a special case in January 2014.

The details are being placed at **Annexure A-11** for Senate's ratification.

## Items for Ratification

### Item No. 15: Course Related Items

#### (i) Introduction of New Courses for PhD and IMP program:

- a. CSIR-NML in Engineering Sciences for PhD and IMP
- b. CSIR-NIIST in Engineering Sciences for PhD
- c. CSIR-IICT in Engineering Sciences for PhD
- d. CSIR-NISTADS in Mathematical & Information Sciences for PhD
- e. CSIR-4PI in Physical Sciences for PhD
- f. CSIR-AMPRI in Engineering Sciences for PhD

A few new courses have been planned to be introduced by a few Labs, which have received recommendations from respective Deans and approval from Chairman, Senate.

All the proposed New Courses which have received the approval of the Chairman, Senate on recommendation of the respective Deans, are placed at **Annexure A-12** for the ratification by the Senate.

#### (a) Engineering Sciences at CSIR-NML (for PhD and IMP)

New courses likely to be launched as Electives from the semester starting from Jan 2014 for M. Tech and PhD course work. Necessary approvals have been obtained from the Dean, Engineering Sciences and the Chairman, Senate.

Sl. No.	Course code	Course Title	L-T-P-C
1.	ENG(NML):1-871	Advanced Manufacturing	2-1-0-3
2.	ENG(NML):1-872	Science Management	2-0-0-2
3.	ENG(NML):1-873	Advanced Materials	2-0-0-2
4.	ENG(NML): 3-868	Advance Surface Characterization Techniques	2-0-2-4

#### (b) Engineering Sciences at CSIR-NIIST for PhD

CSIR- NIIST, Thiruvananthapuram have been admitting students for Ph.D in Engineering Sciences since Jan 2013 and currently have three students who are working in the area of Material Science Engineering. The program has already started at CSIR-NIIST but the approval of the Dean was delayed. On the recommendation of the Dean of Engineering Sciences, the Chairman, Senate has now accorded his approval.

Sl. No.	Course code	Course Title	L-T-P-C
1.	ENG(NIIST):1-101	Research Methodology	2-0-0-2
2.	ENG(NIIST):1-766	Mathematics for Engineers and Scientists	2-0-0-2
3.	ENG(NIIST):2-767	Advanced Materials Science and Engineering	2-0-0-2
4.	ENG(NIIST):2-768	Advanced Materials Characterization	2-0-2-3
5.	ENG(NIIST):2-769	Physical Metallurgy	2-0-0-2
6.	ENG(NIIST):3-770	Nanomaterials Science and Technology	3-0-0-3
7.	ENG(NIIST):3-771	Advanced Composite Materials	3-0-0-3
8.	ENG(NIIST):3-772	Advanced Ceramics Processing	3-0-0-3
9.	ENG(NIIST):3-773	Materials Chemistry	3-0-0-3
10.	ENG(NIIST):3-774	Light and Rare Earth Metals, Alloys and Composites	3-0-0-3
11.	ENG(NIIST):3-775	Polymers and Composites	3-0-0-3
12.	ENG (NIIST):3-776	Advanced Materials Processing	3-0-0-3
13.	ENG (NIIST):3-777	Advanced Functional Materials	3-0-0-3
14.	ENG (NIIST):3-778	Surface Science and Technology	3-0-0-3
15.	ENG (NIIST):3-779	Advanced Foundry Technology	3-0-0-3

### (c) Engineering Sciences at CSIR-IICT for PhD

Recently the Teacher's Research Fellowship Scheme has been initiated in collaboration between INAE and AcSIR to promote research amongst its faculty leading to an award of PhD (in Engineering in chosen field of study). The scheme is applicable to AICTE approved engineering colleges/institutions. The program will be run on full time basis for doing Ph.D. (Engineering Sciences) in AcSIR.

CSIR-IICT presently, has two such INAE students. The following courses have received the approval of the Chairman, Senate on recommendation of the Dean, Engineering Sciences.

Sl. No.	Course No. *	Course Name	L-T-P-C
1	AcSIR-IICT-CSE-101	Research Methodology	2-0-0-2
2	AcSIR-IICT-CSE-201	Wireless Sensor Networks	2-0-0-2
3	AcSIR -IICT-CSE-202	Simulation of Computer Systems and Networks	2-0-0-2
4	AcSIR -IICT-CSE-203	Mobile and Pervasive Computing	2-0-0-2
5	AcSIR -IICT-CSE-301	Real Time Systems	2-0-0-2
6	AcSIR -IICT-CSE-302	Network Protocols	2-0-0-2

\* Course nomenclature to be updated as per AcSIR guidelines and informed at next Senate meeting.

**(d) Mathematical and Information Sciences at CSIR-NISTADS for PhD**

CSIR-NISTADS has proposed a few new courses. Earlier the course titles were approved by the Senate but not the course content. The details of these courses along with their Course Nomenclature and L-T-P-C breakup have received the approval of the Dean and the Chairman, Senate and are being placed for the ratification by the Senate.

Sl. No.	Course No.	Core / Elective	Course Name	L-T-P-C
1	MIS-NISTADS-2-352	Program Core	Principle of Economics	1-0-0-1
2	MIS-NISTADS-2-353	Program Core	Social Studies of Science: An Introduction	1-0-0-1
3	MIS-NISTADS-3-351	Elective	Introduction to Public Health Policy	x-x-x-x
4	MIS-NISTADS-3-352	Elective	Science, Technology and Innovation Strategy	1-0-0-1
5	MIS-NISTADS-3-353	Elective	An introduction to Probability and Statistics	1-0-0-1
6	MIS-NISTADS-3-354	Elective	Foundations of Mathematics	1-0-0-1
7	MIS-NISTADS-4-101	Common, Core	Research Proposal	0-0-4-2
8	MIS-NISTADS-4-102	Common, Core	Review Article	0-0-4-2
9	MIS-NISTADS-4-103	Common, Core	CSIR 800	0-0-8-4

\* L-T-P-C for MIS-NISTADS-3-351 to be updated as per AcSIR guidelines and informed at next Senate meeting.

**(e) Physical Sciences at CSIR-4PI for PhD**

A new course in Physical Sciences approved by the Chairman, Senate on recommendation of the concerned Dean will be introduced soon at CSIR-4PI as below. This is placed for ratification by the Senate.

Sl. No.	Course code	Course Title	L-T-P-C
1.	PHY(CMMACS)-2-248	Climate Dynamics and Modeling	3-0-0-3

**(f) Chemical Sciences at CSIR-AMPRI for PhD**

The courses in Chemical Sciences for CSIR-AMPRI that had received in-principle approval of the Senate at its 9<sup>th</sup> meeting, is being placed having approval from the Chairman, Senate on recommendation of the concerned Dean is as below. This is placed for ratification by the Senate.



Sl. No.	Course code	Course Title	L-T-P-C
1.	CHE (AMPRI) 1-001	Research Methodology	1-0-0-1
2.	CHE (AMPRI) 1-002	Analytical Tools and Instrumentation	1-0-0-1
3.	CHE (AMPRI) 1-004	Basic Chemistry for Interdisciplinary sciences	1-0-0-1
4.	CHE (AMPRI) 1-005	Introduction to Nanoscience and Nanotechnology	1-0-0-1
5.	CHE (AMPRI) 2-002	Advanced Inorganic Chemistry	2-0-0-2
6.	CHE (AMPRI) 2-004	Advanced Analytical Chemistry	2-0-0-2
7.	CHE (AMPRI) 2-018	Advanced Materials Characterization Techniques	2-0-0-2
8.	CHE (AMPRI) 2-024	Sol-gel chemistry	2-0-0-2
9.	CHE (AMPRI) 2-026	Green Chemistry	2-0-0-2
10.	CHE (AMPRI) 2-101	Environmental Science	4-0-0-4
11.	CHE (AMPRI) 2-102	Environmental Chemistry	2-0-0-2
12.	CHE (AMPRI) 3-056	Natural Products and Drug Discovery	2-0-0-2
13.	CHE (AMPRI) 3-101	Corrosion and Corrosion Protection	2-0-0-2
14.	CHE (AMPRI) 3-102	Nano Science and Engineering	2-0-0-2
15.	CHE (AMPRI) 3-103	Functional and Smart Materials	2-0-0-2
16.	CHE (AMPRI) 3-104	Microfluidics and Microseparation	2-0-0-2
17.	CHE (AMPRI) 3-105	Unit Operations in Environmental Chemistry	2-0-0-2
18.	CHE (AMPRI) 3-106	Waste Utilization and Value Addition	2-0-0-2
19.	CHE (AMPRI) 3-107	Industrial Effluent Treatment & Disposal	2-0-0-2
20.	CHE (AMPRI) 3-108	Advanced Soil Science	2-0-0-2
21.	CHE (AMPRI) 3-109	Environment Assessment, Monitoring, Protection and Management	2-0-0-2
22.	CHE (AMPRI) 3-110	Methods and Techniques for Water resources Development and Management	2-0-0-2
23.	CHE (AMPRI) 4-001	Project Proposal Writing	1-0-2-2
24.	CHE (AMPRI) 4-002	Review Article	1-0-2-2
25.	CHE (AMPRI) 4-003	CSIR-800 Project Activity	1-0-6-4

## Items for Ratification

### (ii) Modification of Courses

- a. CSIR-NML in Engineering Sciences
- b. CSIR-4PI in Mathematical & Information Sciences
- c. CSIR-NISTADS in Mathematical & Information Sciences

In an ongoing effort to keep the course updated and relevant to the programs offered at different Labs, above mentioned courses with appropriate modifications are being placed for ratification along with recommendation of respective Dean and approval from the Chairman, Senate.

The Senate is requested to ratify the proposed Modified Courses as furnished in **Annexure A-13**. The following modifications have been made:

#### (a) Engineering Sciences at CSIR-NML

##### i. Change of Title of Existing Course: **ENG(NML):3-864**

The course coordinator of CSIR-NML had forwarded a request through the Coordinator of CSIR-NML to modify the title of the existing approved course **ENG(NML):8-864** from **Thin Film Technology** to "**Coating Technology**".

The Dean of Engineering Sciences has approved the title change and subsequently the Chairman, Senate has accorded his approval.

##### ii. Splitting up of the existing course **Thermodynamics & Kinetics of materials & Processes: ENG(NML):1-837**

ENG(NML):1-837 (compulsory for Integrated M.Tech-Ph.D.): Thermodynamics & Kinetics of materials & Processes (3-1-0-4) has been split up as:

ENG(NML):1-837 : Advanced Metallurgical Thermodynamics (2-0-0-2), and

ENG(NML):1-870: Advanced Metallurgical Kinetics (2-0-0-2)

#### (b) Physical Sciences at CSIR-4PI

Course nomenclature for **GNSS (Global Navigation Satellite Systems) Remote Sensing and Geodesy** is modified as under:

**PHY(CMMACS)-3-247: GNSS (Global Navigation Satellite Systems) Remote Sensing and Geodesy (2-1-0-3)**

**(c) Mathematical and Information Sciences at CSIR-NISTADS**

There have been some modifications in Course Nomenclature, Title and L-T-P-C distribution of certain courses of CSIR-NISTADS already ratified by the Senate earlier. The modifications are listed below in tabular form. Course content remains the same for these courses:

Sl. No.	Course No.		Course Title	L-T-P-C	Modification	Previously (Senate approved)
1	MIS-NISTADS-1-101	Common , Core	Quantitative Research Methodology	1-1-0-2	LTPC	
2	MIS-NISTADS-2-346	Program Core	Introduction to Qualitative Research	1-0-2-2	LTPC	
3	MIS-NISTADS-2-347	Program Core	Indian Economy & Policy	1-0-0-1	LTPC	
4	MIS-NISTADS-2-348	Program Core	Innovation Systems and Development	1-0-0-1	LTPC	
5	MIS-NISTADS-2-349	Program Core	Introduction to History of Science	1-0-0-1	LTPC	
6	MIS-NISTADS-2-351	Program Core	Science and Technology Systems- India and the World	1-0-0-1	LTPC	
7	MIS-NISTADS-2-350	Program Core	Science, Technology and Innovation Policy	1-0-0-1	LTPC/ Title	Science & Technology Policy
8	MIS-NISTADS-3-346	Elective	Trade & Technology	1-0-0-1	LTPC/ Title	
9	MIS-NISTADS-3-347	Elective	Enterprise Development through Value Chains Analysis	1-0-0-1	LTPC/ Title	
10	MIS-NISTADS-3-348	Elective	Intellectual Property Rights in the Context of Research, Innovation and Development	1-0-0-1	LTPC/ Title	
11	MIS-NISTADS-3-350	Elective	Resource Planning & Policy (RPP)	1-0-0-1	LTPC/ Title	
12	MIS-NISTADS-3-349	Elective	Global Warming: History, Trends and Politic	1-0-0-1	LTPC/ Title	Environment al History

## Items for Ratification

### (iii) PHFI courses for 2<sup>nd</sup> and 3<sup>rd</sup> semesters - Clinical Research

The courses for the Integrated MSc-PhD program in Clinical Research for the second and third semester are being enclosed as **Annexure A-14** with due approval of the Chairman, Senate on recommendation of the Dean of Biological Sciences.

Sl. No.	Course No.	Course Title	L-T-P-C
1	MD201	Medical writing - Proposal, Protocol development, and Report writing	1-1-2-3
2	MD106	Basics in data management	2-1-2-4
3	MD202	Pharmacovigilance and drug regulation	2-1-0-3
4	MD108	Medicinal and natural product Chemistry	3-0-0-3
5	MD203	Advanced data management	1-1-2-3
6	MD204	Advanced statistics	1-1-2-3
7	MD205	Drug discovery	2-2-0-4
8	MD206	Systematic reviews and meta-analysis	1-1-2-3
9	MD110	Project Management and Communication	2-1-0-3
10	MD207	Advanced epidemiology	1-1-2-3
11	MD208	Genetic Epidemiology	2-1-0-3
12	MD209	Economic evaluation	1-1-2-3
13	MD210	Pharmaceutical biotechnology	2-0-2-3
14	MD211	Medical innovation	2-0-2-3
15	MD212	Open Electives	
16	MD107	Laboratory sciences *	2-0-2-3

\* Not being placed for ratification at 10th Senate meeting

## Items for Ratification

### (iv) Post facto approval of CSIR-NIO Mathematics course

**Background:** In the last meeting of the Senate (Agenda Item No. 13), it was reported that the Mathematics course was being offered to the students without the approval of the Dean, Physical Sciences and the Senate, AcSIR at CSIR-NIO, Goa.

The Senate recorded that a course without proper recommendation of respective Dean and approval of the Senate will not be recognized. The Senate authorized the Chairman, Senate to communicate the same to the Coordinator of CSIR-NIO.

**Status:** Post-facto recommendation of the Dean, Physical Sciences has been obtained by the Coordinator of CSIR-NIO for the modified course of Mathematics. The modified course of Mathematics is being placed at **Annexure A-15**.

**Proposal:** On the basis of *post facto* approval of the Chairman, Senate on recommendation of the Dean Physical Sciences the Senate is requested to ratify the modified Mathematics course of CSIR-NIO.

## Item No. 16: Results of Viva Voce Examination for PhD Students

Since the 9<sup>th</sup> meeting of the Senate, 17 students (from S. No. 5 to 21) of AcSIR have submitted Theses and have completed all the academic requirements including CSIR-800 project. They have successfully defended their Theses in an open forum.

As suggested by the Senate at its 9<sup>th</sup> meeting, the comments of the two examiners along with the Viva Reports for all students who have completed their Ph.D program, so far, and received their Degree Certificates/ Provisional Degree Certificates are being enclosed for perusal by the members of the Senate as **Annexure A-16**.

S. No.	Enrollment No.	Student Name	Lab Name	Session	Faculty
1	10BB11J02002	Mr. Tanveer Ahmad	CSIR-IGIB	January 2011	Biological Sciences
2	10CC11J16009	Mr. Sukdeb Saha	CSIR-CSMCRI	January 2011	Chemical Sciences

3	10CC11J26104	<b>Ms. K.S. Thushara</b>	CSIR-NCL	January 2011	Chemical Sciences
4	10BB11J22024	<b>Ms. Gulshan Singh</b>	CSIR-IITR	January 2011	Biological Sciences
5	10BB11J04001	<b>Mr. Abdul Malik</b>	CSIR-CDRI	January 2011	Biological Sciences
6	10CC11J16021	<b>Mr. Tushar J. Trivedi</b>	CSIR-CSMCRI	January 2011	Chemical Sciences
7	10PP11J32023	<b>Ms. Deepa Joshi</b>	CSIR-NPL	January 2011	Physical Science
8	10BB11A02003	<b>Mr. Atul Kumar</b>	CSIR-IGIB	August 2011	Biological Sciences
9	10CC11J26133	<b>Mr. Tanmay Banerjee</b>	CSIR-NCL	January 2011	Chemical Sciences
10	10CC11J16018	<b>Mr. Ganga Prasad Dangi</b>	CSIR-CSMCRI	January 2011	Chemical Sciences
11	10CC11J18019	<b>Mr. Rahul D. Kavathe</b>	CSIR-IICT	January 2011	Chemical Sciences
12	10CC11J18024	<b>Mr. Vivek S. Raut</b>	CSIR-IICT	January 2011	Chemical Sciences
13	10BB11J16002	<b>Mr. Shaik Gore Mastan</b>	CSIR-CSMCRI	January 2011	Biological Sciences
14	10BB11J04002	<b>Mr. Amit Kumar Gupta</b>	CSIR-CDRI	January 2011	Biological Sciences
15	10CC11J16028	<b>Mr. Apurba Sinhamaptra</b>	CSIR-CSMCRI	January 2011	Chemical Sciences
16	10CC11J16024	<b>Mr. Dinesh Vinayak Patil</b>	CSIR-CSMCRI	January 2011	Chemical Sciences
17	10CC11J18039	<b>Mr. Uppula Purushotham</b>	CSIR-IICT	January 2011	Chemical Sciences
18	10BB11A16018	<b>Mr. Mudassar Anisoddin Kazi</b>	CSIR-CSCMRI	August 2011	Biological Sciences
19	10BB11J16008	<b>Mr. Harshvardhan Kumar</b>	CSIR-CSMCRI	January 2011	Biological Sciences
20	10CC11J16032	<b>Mr. Dharmesh R. Chejara</b>	CSIR-CSCMRI	January 2011	Chemical Sciences
21	10BB11J04008	<b>Ms. Shalini Asthana</b>	CSIR-CDRI	January 2011	Biological Sciences

## Items for Information

### Item No. 17: Student Related Items

#### (i) Inter-lab transfer of Student from CSIR-IICT to CSIR-NCL

The following student has applied for transfer of laboratory from CSIR-IICT to CSIR-NCL since his Advisor has moved from CSIR-IICT to CSIR-NCL:

Student Name: **Mr. Valmik Shinde**  
Session: January 2011  
Old Enrollment No.: 10CC11J18041  
New Enrollment No.: 10CC11J26135  
Advisor: Dr. Nitin Patil

Members may kindly take a note of the transfer of student. Necessary approvals are enclosed as **Annexure A-17 (a)**.

#### (ii) Transfer from IISER, Thiruvananthapuram to CSIR-CFTRI

A request has been received from **Ms. Greeshma M. at CSIR-CFTRI, Mysore** from transfer of enrollment from IISER, Thiruvanthapuram to AcSIR at CSIR-CFTRI.

The request has been approved by Dean, Biological Science to transfer 4 credits as per the Credit Transfer Policy of AcSIR. While she will have to complete 8 more credits from the coursework and then the mandatory credits [for Project Proposal (2), Review Article (2) and CSIR-800 Project (4)].

The request along with necessary approvals is being placed as **Annexure A-17(b)** for information.

#### (iii) Change of faculty of Studies at CSIR-CFTRI

The following student has requested change of faculty from **Biological Sciences to Engineering Sciences**. The request has received recommendation of the concerned Deans and approval from the Chairman, Senate for change of faculty:

Student Name: **Mr. Rochak Mittal**  
Old Enrollment No.: 10BB14J08014  
New Enrollment No.: 10BE14J08014  
Session: January 2014  
Lab: CSIR-CFTRI  
Advisor/Co-Advisor: Dr. A. Jayadeep

Members may kindly take a note of the change of faculty of students at CSIR-CFTRI. Necessary approvals are enclosed as **Annexure A-17 (c)**.

## Items for Information

### Item No. 18: Updates and Clarifications with respect to the Faculty list of AcSIR

#### (a) New/Modified lists received since 9<sup>th</sup> Senate

**Background:** Senate in its eighth meeting of August 2, 2013 approved the 'Faculty Guidelines of AcSIR'. The collated list of faculty drawn from the CSIR system as per the 'Faculty Guidelines of AcSIR' were placed and approved in the 9<sup>th</sup> meeting of the Senate.

New/Modified faculty lists have been received from following labs duly approved by the Chairman, Senate as authorized at the last meeting of the Senate:

New Faculty Lists	
S. No.	Lab Name
1.	CSIR-CECRI
2.	CSIR-CSIO
3.	CSIR-OSDD/HQ
4.	CSIR-IMMT

Modified Faculty Lists		
S. No.	Lab Name	Modification type
1.	CSIR-4PI	Promotions
2.	CSIR-CFTRI	Discipline
3.	CSIR-IGIB	Discipline
4.	CSIR-IICB	Promotions, Discipline
5.	CSIR-IITR	Additional Names
6.	CSIR-NPL	Discipline
7.	CSIR-NIO	Additional Names
8.	CSIR-NISTADS	Promotions

It is being observed that some Labs are giving different AcSIR designation to respective Lab Directors. In some cases names of Ad-hoc scientists and other Scientists who were not meeting the eligibility criteria were also proposed.

In such cases, AcSIR designation to Lab Directors is given as 'Outstanding Professors' as per Faculty Guidelines. And, Faculty letters have not been issued to proposed names who were not meeting the criteria.

The lists received and approved by the Chairman, Senate is being placed at **Annexure A-18** for information.



## Items for Information

### (b) Inclusion of Dr. Koyeli Mapa, QHF as Co-Guide at CSIR-IGIB

**Background:** A request was received from Dr. Souvik Maiti, Associate Professor, AcSIR and Principal Scientist, CSIR-IGIB through Dr. Shantanu Sengupta, Associate Dean, Biological Sciences to include Dr. Koyeli Mapa, Quick Hire Fellow, CSIR as a Co-guide to three of Dr. Maiti's student's thesis since she has been significantly contributing in their Thesis work. Dr. Mapa has also given her consent to be Co-guide to the three students.

The request letters received and approval by the Chairman, Senate is being placed at **Annexure A-19** for information.

### Item No. 19: 'In-principle' approval for MNRE fellowships

**Background:** A proposal has been received from Centre for Wind Energy Technology (C-WET) under the Ministry of New and Renewable Energy (MNRE), Govt. of India to institute a few fellowships to support research activities and human resource development in Wind, Solar and Wind-Solar Hybrid areas tenable at AcSIR as a continuation of the on-going collaboration of MNRE and CSIR in Renewable Energy Sector.

**Current Status:** C-WET has proposed to institute the following fellowships to support research activities in the Renewable Energy Sector:

Post-Doctoral fellowship - 2  
Senior Research Fellowship - 3  
Junior Research Fellowship - 3

The details of the fellowships will be worked out mutually between AcSIR and C-WET, MNRE later in terms of amount, duration and qualifications after receipt of formal approval of the Board.

In principle approval of the Board has been accorded in its 5<sup>th</sup> meeting and formal approval by its Chairman is awaited through endorsement of the proceedings of the BoG meeting.

The proposal received is enclosed as **Annexure A-20** for information for the Senate.

## Items for Information

### Item No. 20: Appointment of Vigilance Officer at AcSIR

The Board of Governors of AcSIR in its 5th meeting held on March 24, 2014 at Chennai approved the institution of the position of a Vigilance Officer. This will help in efficient functioning and streamlining the activities of AcSIR in its initial phase of setting up.

In the approved Statutes and Ordinances of AcSIR, no provision has been made for the position of Vigilance Officer. As approved by the Board, this lacunae in the Ordinances has been rectified. Necessary amendments has been made in the Clause 9.4 of the Ordinances of AcSIR (reported as Item No. 20 in the Agenda).

The Board also approved the terms and conditions of the appointment

As approved by the Board, the following amendment has been included in the Ordinances of AcSIR:

9.4.2 A Vigilance Officer (VO) would oversee the compliance of 'Integrity and Ethics' by the employees of AcSIR (both permanent and temporary, who draw their salary from the funds of the Academy) as also by the students as per the guideline provided in Statutes and Ordinances of AcSIR.

A Senior faculty of AcSIR, not anyway related to the sensitive matters (e.g. appointment, procurement etc.) for the Academy or a senior person from outside the CSIR/AcSIR system having considerable experience, may be appointed as the Vigilance Officer. The appointment of the Vigilance Officer should be made by the Director of the Academy with the approval of the Chairman of the Board of Governors."

## Items for Information

### Item No. 21: **Amendment in certain clauses of Statutes (Clause 17.1.2) and Ordinances (Clauses 9.3 and 9.4) of AcSIR**

#### (a) Amendment in Statutes (Clause 17.1.2)

The Academic, Administrative and Operational functions of AcSIR have been covered in the Statutes and Ordinances. However, the authorities of the Academy now feel that Clause 17.1.2 in the Statutes needs further amendment for administrative reasons and for ease of operation.

In the existing responsibility of positions at AcSIR, the Chairman of the Board of Governors, the Director and Associate Directors are the only positions who should be having direct administrative responsibility in the functioning of the Academy.

Thus, it is felt by the authorities of AcSIR that the Appellate Authority with respect to Conduct Rules of AcSIR should be from among the persons having direct administrative responsibility in the Academy.

The Board of Governors in its fifth meeting held on March 24, 2014 approved the amendment of the existing Clause 17.1.2. of the AcSIR Statutes as follows (the modified text in the proposed amendments is underlined):

Existing Clause	Amended Clause
<p><b>17.1.2 Disciplinary Authority and Appellate Authority</b></p> <p>The Director of the Academy shall be the Disciplinary Authority for all discipline and conduct related matters of the Academy; the Vice Chairperson of the Board shall be the Appellate Authority.</p>	<p><b>17.1.2 Disciplinary Authority and Appellate Authority</b></p> <p>The Director of the Academy shall be the Disciplinary Authority for all discipline and conduct related matters of the Academy; the <u>Chairperson</u> of the Board shall be the Appellate Authority.</p>

#### (b) Amendment in Ordinances (Clauses 9.3 and 9.4)

The Academic, Administrative and Operational functions of AcSIR have been covered in the Statutes and Ordinances. However, the authorities of the

Academy now feel that there are certain clauses in the Ordinances that need further amendment for ease of operations. These are:

Clause 9.3: AcSIR Conduct Rules, and

Clause 9.4: Disciplinary Authority and Appellate Authority

Currently AcSIR conduct rules are being governed by Government of India CCS Conduct Rules in force at Central Universities. However, AcSIR being a non-government organization intends to apply the above rules where specific provisions are not available in AcSIR Act, Statutes and Ordinance.

Further, currently there is no provision for vigilance function in the Ordinance which is vital to functioning of the organization.

In the fifth meeting of the Board of Governors of AcSIR the following amendments were approved in the AcSIR Ordinances (Clause 9.3. and 9.4.). The modified text in the proposed amendments is underlined.

Existing Clause	Proposed Amendment in Clause
<p><b>9.3 AcSIR Conduct Rules</b></p> <p>All permanent, contractual and temporary employees of the Academy shall be governed by the AcSIR Conduct Rules. Unless otherwise stated, the Government of India CCS Conduct Rules, in force at Central Universities, shall be construed as the AcSIR Conduct Rules.</p>	<p><b>9.3 AcSIR Conduct Rules</b></p> <p>All permanent, contractual and temporary employees of the Academy shall be governed by the AcSIR Conduct Rules. Unless otherwise stated, the Government of India CCS Conduct Rules, in force at Central Universities, shall be construed as the AcSIR Conduct Rules <u>save and except in those cases where specific provision has been made in the AcSIR Act, Statutes or Ordinances.</u></p>
<p><b>9.4 Disciplinary Authority and Appellate Authority</b></p> <p>The Director of the Academy shall be the Disciplinary Authority for all discipline and conduct related matters of the Academy, whereas the Chairperson of the Board of Governors shall be the Appellate Authority.</p>	<p><b>9.4 Disciplinary Authority and Appellate Authority</b></p> <p><u>9.4.1</u> The Director of the Academy shall be the Disciplinary Authority for all discipline and conduct related matters of the Academy, whereas the Chairperson of the Board of Governors shall be the Appellate Authority.</p> <p><u>9.4.2</u> A Vigilance Officer (VO) would oversee the compliance of 'Integrity and Ethics' by the employees of</p>

	<p><u>AcSIR (both permanent and temporary, who draw their salary from the funds of the Academy) as also by the students as per the guideline provided in Statutes and Ordinances of AcSIR.</u></p> <p><u>A Senior faculty of AcSIR, not anyway related to the sensitive matters (e.g. appointment, procurement etc.) for the Academy or a senior person from outside the CSIR/AcSIR system having considerable experience, may be appointed as the Vigilance Officer. The appointment of the Vigilance Officer should be made by the Director of the Academy with the approval of the Chairman of the Board of Governors.”</u></p>
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## Items for Information

### Item No. 22: Appointment of Chief Mentor of AcSIR

The Board of Governors of AcSIR in its 5th meeting held on March 24, 2014 at Chennai wholeheartedly welcomed the proposal for engaging the Academy Professor Samir K. Brahmachari as Chief Mentor of AcSIR, after his superannuation from the post of DG-CSIR. The members unanimously agreed that his involvement would only lead to enrichment, growth and development of the Academy at a much higher scale.

AcSIR will primarily seek his advice of the Chief Mentor on continuous improvement of the academic activities. These include ideas for introducing new programs, liaison with national and international luminaries linking them to AcSIR, facilitate efforts for raising funds and such other activities that enhance the stature and global visibility of the Academy.

The Board also approved the terms and conditions of the appointment of Prof. Samir K. Brahmachari as the Chief Mentor of AcSIR.