

Third Meeting of Senate

11th January, 2012; 15:00 hrs

AGENDA



ACADEMY OF SCIENTIFIC & INNOVATIVE RESEARCH
Anusandhan Bhawan, 2 Rafi Marg, New Delhi-110 001

Academy of Scientific and Innovative Research

Agenda for the 3rd Meeting of the Senate

11th January, 2012; 15:00 hrs

Venue: Room No. 101, Anusandhan Bhawan, 2 Rafi Marg, New Delhi-110 001

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INITIATION OF THE MEETING

- 1. Welcome Address by Prof. Gautam Biswas, Acting Director/OSD, AcSIR and Acting Chairperson of the Senate**
- 2. Action taken Report on the 2nd Meeting of the Senate and Confirmation of the Minutes**

Action taken report and Confirmation of minutes of the 2nd Meeting of the Senate

Minutes of the 2nd Senate Meeting of AcSIR held on 17th August, 2011 is enclosed as Annexure – I

Item No. 8: “Internationally accepted nomenclature for courses of study”

It was decided at the last Senate meeting that a generally accepted nomenclature has to be adopted for the different courses in various streams. Accordingly, members of all the different clusters have started working on the details. Detailed progress of the same will be tabled in this meeting through a subsequent agenda.

Annexure – II

Item No. 9: “Ph.D admission for INAE and AICTE students at AcSIR”

Action has already been initiated on this item. Pursuant to the proposal received from INAE for introduction of Ph.D programme in Engineering Sciences for students of AICTE approved Engineering Colleges/Institutes which are running Post Graduate Engineering Programmes, in principle interest have been shown by three organizations DRDO, DOS and CSIR (through AcSIR). On behalf of the Academy, Dr. Nagesh Iyer, Associate Director (Academics) has discussed the matter with competent authority at INAE and the process is now being finalized.

Annexure –III

Item No. 10: “Direct Ph.D in Engineering after earning the Baccalaureate degree”

Dr. Chetan Gadgil and Dr. B.D. Kulkarni have initiated work on creating a document outlining the details and the outcome shall be placed to the Senate at its next meeting.

Item no. 11: Award of thesis (Project) grade to the PGRPE (M.Tech) trainees

Earlier the Senate accorded its approval to the reports of Admission and Course committees. However, the Senate deliberated on the issue of awarding grade points to the thesis work that is being carried out by the PGRPE (M.Tech) students at the respective programmes. The Examination Committee is currently in the process of reviewing and evolving the grading system for the thesis work pertaining to the Post Graduate programmes of AcSIR.

Annexure –IIIa

Item no. 12 Discussion on Statutes and Ordinances

The draft Statutes and Ordinances had been forwarded to all senate members for their comments/recommendations. They are being reviewed by the competent authority in consultation with several experts. Updated drafts of Statutes and Ordinances are being circulated.

Item no. 13. Regarding constitution of 20 Fellowships (in line of SPM fellowship) for direct Ph.D admissions in engineering

Dr. Rajesh Luthra, Head HRDG was requested to look into the possibility of constitution of a few fellowships similar to SPM fellowship for those who would take up direct Ph.D. in Engineering. HRD Group in its 12th Five Year Plan document has proposed to increase the number of SPM Fellowships, of which 20 fellowships have been proposed to be awarded to attract meritorious engineering students from IITs for doing Ph.D. at AcSIR.

HRDG has also proposed to increase the number of Junior Research Fellowships – GATE (JRF-GATE) which can be availed only at CSIR laboratories to GATE/GPAT qualified BE/BTech/BPharm students from 15 to 25 so that students at each CSIR engineering laboratories pursuing Ph.D. have a better chance of obtaining a fellowship.

Also, HRDG has proposed the introduction of NET for qualified candidates in Engineering. The modalities of conducting the examination and budgetary resources for award of such fellowships need to be worked out further.

Annexure-IV

ITEMS FOR RATIFICATION

- 3. Ratification of Ph.D. Admissions for the January 2011 for NCL and January 2012 session for all CSIR labs**
- 4. Introduction of new M.Tech (PGRPE) programme by CSIR-CMERI named “Applied and Computational Mechanics”**
- 5. Introduction of M.Tech (PGRPE) programme by CSIR- CBRI titled ‘Building Engineering and Disaster Mitigation’**

Item no. 3: Ratification of Ph.D. Admissions for the January 2011 for NCL and January 2012 session for all CSIR labs

The admission procedure for the January 2011 Session to the Chemical Sciences and Biological Sciences at NCL Pune were delayed and subsequently approval has been obtained from the respective faculty Deans of Chemical and Biological Sciences and from the Acting Director of AcSIR for admission for Ph.D. in NCL, Pune for the January 2011 session.

Proposal: The lists of selected candidate from NCL, Pune for Ph.D in Chemical and Biological sciences with proper approval from the respective Cluster Deans and the Acting Director of the Academy are being submitted to the Senate for ratification for the January 2011 session.

Annexure - V

For the January 2012 session, students have been selected by different CSIR labs for Ph.D in different courses following the selection criteria for the January 2012 session.

Proposal: The admission committee selected candidate for Ph.D in different fields. The lists of selected candidate for Ph.D in different labs are being submitted to the Senate for ratification for the January 2012 session.

The list of selected Candidates is attached as Annexure.

Annexure – VI

Item no. 4: Introduction of new M.Tech (PGRPE) programme by CSIR-CMERI named “Applied and Computational Mechanics”

CSIR-CMERI proposes to introduce a new M.Tech (PGRPE) programme named “Applied and Computational Mechanics” which is a unique programme highlighting analytical and computational methods for solving engineering problems governed by the principles of mechanics. This multi-disciplinary course will enable students to learn basics of mechanics with associated mathematical and computational tools and train them to solve physical problems of industrial relevance. The students trained in this course will emerge properly equipped to confront the challenges across the industrial environment and academic research spectrum.

Proposal: The course details for the proposed programme of CSIR-CMERI named “Applied and Computational Mechanics” for its post graduate students are being placed as **Annexure VII** to Senate for ratification.

Item No. 5: Introduction of M.Tech (PGRPE) programme by CSIR-CBRI titled 'Building Engineering and Disaster Mitigation'

CSIR-CBRI, Roorkee and CSIR-CRRI, New Delhi have been offering a joint M.Tech Course titled "Engineering of Infrastructure (Roads/Buildings) and Disaster Mitigation" to its students so far. However, recently, it has been decided by CSIR-CBRI and CSIR-CRRI to offer courses individually. In this scenario, CSIR-CBRI, Roorkee has decided to launch a new programme titled "Building Engineering and Disaster Mitigation" to be introduced from the July 2012 session. Accordingly a new course and course structure has been formulated by CSIR-CBRI, Roorkee.

Proposal: Approval has been received from the cluster Dean and forwarded by Acting Director, AcSIR for introduction of the programme titled "Building Engineering and Disaster Mitigation" by CSIR-CBRI, Roorkee. A relook into the credit distribution and total credit requirement has been advised by the Acting Director, AcSIR.

ANNEXURE- VIII

ITEMS FOR APPROVAL

- 6. Course proposed by faculty of MIS as part of courses of study**
- 7. Admission Brochure/Flyer**
- 8. Enrollment of CSIR scientists recruited with M.E./ M.Tech degree for Ph.D at AcSIR**
- 9. Finalization of Annual calendar for Senate Meeting & Convocation dates**
- 10. In principle permission to take up Monbukagakusho Scholarship for two years**

Item No. 6: Course proposed by faculty of MIS as part of courses of study

CSIR-CMMACS has multidisciplinary research programmes centered around mathematical modeling and computer simulation. The institute has put forward the course details for conducting Ph.D (Science) and Ph.D (Engineering) having common core credit requirement, programme core credit requirement and elective credit requirement. CSIR-CMMACS has received approval for conducting the programme by the cluster dean and the Acting Director of the Academy. The course nomenclature and credit details has to be properly formatted as per the format followed by all the clusters.

Proposal: The course details for CSIR-CMMACS Ph.D. in Science and Engineering are being placed at the Senate for ratification.

ANNEXURE- IX

Item no. 7: Admission Brochure/Flyer

The Academy of Scientific & Innovative Research (AcSIR) has the mandate to train some of the best of tomorrow's S&T leaders through a combination of innovative and novel curricula, pedagogy and evaluation. AcSIR's focus will be on imparting instruction in such areas as are not ordinarily taught in regular academic universities in India. The Academy offers exciting opportunities to Bachelor's & Master's degree holders with a keen sense of scientific enquiry for pursuing advanced research in interdisciplinary and intradisciplinary areas of Engineering, Biological, Chemical, Physical and Mathematical Sciences leading to a Ph.D degree.

The bill for the establishment of the Academy for Scientific and Industrial Research as an "Institution of National Importance" has recently been passed by the Parliament of India. In order to attract the more motivated and talented students to enroll in the different courses that AcSIR has to offer, it has now become an urgent requirement that AcSIR finalizes and circulates its Flyer and Admission Brochure outlining details of the different programmes it has to offer.

Proposal: The drafts of the Admission Brochure and Flyer outlining the various activities and the programmes offered by the Academy are being placed for comments/recommendations/approval of the Senate members.

ANNEXURE X & XI

Item no. 8: Enrollment of CSIR scientists recruited with ME/M. Tech degree for Ph.D at AcSIR

The candidates of Integrated M.Tech-Ph.D. (PGRPE-2009 batch) who have successfully completed their programme and fulfilled the entry level eligibility criteria, have been inducted as Scientists. These scientists are required to enroll for Ph. D. in AcSIR for the January 2012 session.

At the same time, "Scientists" who have been recruited by CSIR from 2009 with M.E/M.Tech degree qualification from premier institutions and also possess the entry level eligibility criteria and satisfy all other criteria, may be allowed to enroll for Ph.D. at AcSIR.

Proposal: A proposal was put forward by the Associate Director (Academics) and forwarded by the Acting Director of AcSIR outlining the same and an approval has been received for the same from the Acting Chairperson of AcSIR. The approval received for the same is enclosed as **Annexure – XII.**

Item no.9: Finalization of Annual calendar for Senate Meeting & Convocation dates

In order that AcSIR holds the meetings of the Senate as stipulated in the Ordinances and the Convocation of the Academy so that members of the Senate are aware of a tentative time for the meetings, a calendar for holding the Senate meetings and Convocation of the Academy is required.

Proposal: A proposed schedule of the meetings and the convocation are being placed to the Senate for approval so that all the members are aware of tentative dates for the meeting.

ANNEXURE XIII

Item No.10: In principle permission to take up Monbukagakusho Scholarship for two years

Mr. Aman Arora, Scientist at CSIR-CMERI is pursuing Ph.D. from AcSIR, who has been selected for the prestigious Monbukagakusho Scholarship (Japanese Government Scholarship), has put forward a request for a two year leave to pursue research under the aforementioned scholarship in Japan. Approval has been requested to complete his coursework at Japan and he shall complete his CSIR-800 project on his return after the tenure of the scholarship.

Proposal: The request is placed to Senate for approval.

ANNEXURE XIV

ITEMS FOR DISCUSSION

- 11. Confirmation of guidelines concerning examination and evaluation procedure discussed at 1st Senate meeting and approved at 2nd Senate meeting**
- 12. Proposed guidelines for a AcSIR postgraduate Chemical Engineering program**
- 13. Common definition of number of credits/course across disciplines (chemistry, physics, biology) especially at CSIR-NCL**
- 14. Proposal to introduce small modification to the scheme allowing Project Assistants to register in AcSIR**

ITEMS FOR INFORMATION

- 15. Proposal for introduction of M.Tech course by CSIR-CECRI**
ANNEXURE XV
- 16. Content page of Annual Report (2011-12)**
ANNEXURE XVI
- 17. Joining of the 3 Executive Consultants at AcSIR Headquarters, New Delhi**
ANNEXURE XVII
- 18. Any other item with the permission of the Chair**

