



Central University of Punjab

Established vide Act No. 25(2009) of Parliament

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Department of Computational Sciences Minutes of meeting of Academic and Administrative Committee of Department of Computational Sciences.

The meeting of Academic and Administrative Committee of Department of Computational Sciences was held on 19-03-2019 at 11:30 AM in the Computational Sciences lab cum classroom of Academic block. The following members were present:

1. Dr. Kousik Giri (Chairperson)
2. Dr. Mahesh Kulharia (Convener)
3. Dr. Sudip Chakraborty

The following points were discussed and resolution made:

Item No. 1: The AAC resolves the issue of the M.Sc. Physics (Computational Physics) must be pursued as it is pending for a long time (since 14 Dec 2018) for a final decision for the following reasons which are being put up again:

1. Since the department of Physical sciences endure the almost complete academic responsibility for the M.Sc. Physics (Computational Physics), hence the course should be shifted to the department of Physical Sciences.
2. Moreover the Department of Computational Sciences cannot take up the academics of the aforementioned course with the sanctioned faculty strength. The AAC once again re-iterates notes that the workload of the departmental faculty is already as per maximal UGC norms.
3. The AAC also notes again with grave concern that this strange division of academic and administrative aspects between two separate (in physical and academic space) departments, of the M.Sc. Physics (Computational Physics) also creates a lot of logistical problems for the students and affects their direct mentoring and leads to unnecessary time wastage which intum compromises their academic performance. AAC strongly recommends that either this course be shutdown or shifted to Department of Physical Sciences.

Item No. 2: The department of Computational Sciences requires a software system to perform quantum mechanical calculations efficiently by employing the plane wave basis, hybrid functionals in a highly parallelized manner. The AAC has identified VASP as a very capable software package which fulfils all of the requirements. The expense for the same shall be borne out of non-recurring budget and AAC resolves to process its purchase under GFR.

Item No. 3: The AAC notes that the rate of data generation due to departmental research is very large. To ensure the data security and integrity adequate backup space is required. Hence the AAC resolves to purchase 18 internal hard disks of 4 TB each through GEM. The AAC notes that this would require Rs 1.8 lacs (approximately) and resolves that the same shall be borne out of non-recurring budget head.

Item No. 4: The AAC notes that battery set of a 5KVA UPS (of the delta make) are already out of the productive life and have thus become faulty in terms of low power back up time. This has
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necessitated the change of the entire battery set. The AAC notes that the inspection report by the visiting engineer. The AAC resolves to replace the battery set for this UPS so that the teaching and research computers get proper power backup. The AAC resolves that expense for the same shall be borne out of the recurring budget head of the department.

Item No. 5: The AAC notes that the resignation of Dr. Rajagopala Reddy Salem has caused increased workload for Dr. Kousik Giri and Dr. Sudip Chakraborty. Dr. Giri has to bear additional workload for the Physical Chemistry II and Molecular Spectroscopy and Dr. Chakraborty is additionally burdened with computational methods (Lab).

Kousik Giri
Dr. Kousik Giri

Mahesh Kotharia
Dr. Mahesh Kotharia

Sudip Chakraborty
Dr. Sudip Chakraborty

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Minutes of AAC meeting, held on 26th September 2019, in the office of OIC DCS.

The AAC meeting for Department of Computational Sciences was held on 26th Sep 2019.
Dr. Kousik Giri
Dr. Mahesh Kulharia
Dr. Sudip Chakraborty (Chairperson)
(Convener)

The following points were discussed and resolution made:

- Item 1:** The AAC notes that the Department of Computational Sciences requires computer tables for which the hon'ble VC sir has already given approval.
- Item 2:** The AAC resolves that VASP 5x -6 users with automatic upgradable to VASP 6x. The tentative cost turns out to be 7000\$ (approximately 5.5 lacs).
- Item 3:** The AAC notes that 2 mouse, 2 key board, 2 HDMI and 5 metallic rulers cable have become defective and need replacement. The approximate cost for these would be Rs. 3400. The same would be purchased by using imprest money.
- Item 4:** The AAC notes that Dr. Sudip Chakraborty requires a laptop for his project management (Project number GP123), the approximate specifications for which 8GB RAM or better, HDD of 1TB or better, i7 processor of 7th gen or better.

Kousik Giri
Dr. Kousik Giri

Mahesh Kulharia
Dr. Mahesh Kulharia

Sudip Chakraborty
Dr. Sudip Chakraborty

DAA

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Kousik Giri