# ACM Compute 2019 October 10th - 12th 2019, The International Centre Goa, Dona Paula - Goa, India

**NOTE**

Date: 16th April 2018

Sub: Organizing ACM Summer School at Goa University from 4th – 16th June 2018

As you are aware, the department is planning to organize two week Summer School on Data Science during the summer vacation this year. The summer school is being organized under aegis of ACM India, in collaboration with Goa University. The school is targeted at young students wanting to take up research studies in the upcoming field of Data Science. This summer, all together 5 schools are being planned at different institutions in the country. Please see announcement at http://india.acm.org/#summer_schools.

The summer school in Goa is being planned by faculty from IITM. Last week, I visited IITM and had detailed discussion with resource persons. The last date for applying was 31st Mar 2018. About 1000+ applications have been received. Most of the applicants are from premier institutes in the country and ACM will pay for travel and stay of faculty and for stay of students. However, the institution organizing the summer school is also expected to raise part of the funds towards organizing the event. From 1000+ applications, about 35 applicants would be selected on all India bases and around 10-15 students/faculty members from Goa will also be allowed to participate in the event by inviting applications.

Sir, ACM Summer School is a prestigious event and I am sure it will help the University in the next accreditation cycle. All lectures by the faculty will be recorded by NPTEL team and made available for public viewing. Tentative budget has been prepared in consultation with IITM and ACM India. Estimated expenditure for organizing two week summer school is about 11.00 lakhs. ACM India will bare all major cost towards organizing the event. However, as advised by you, we shall restrict University share towards organizing the event limited to department funds available under two different budget heads as given below:

| Description | B.H. | Bud. Est. 2018-19 |
|---|---|---|
| Extension program | C-18(7) | Rs. 25,000 |
| Seminars | C-18(12) | Rs. 15,000 |
| | Total | Rs. 40,000 |

Put forward for financial approval of Rs. 40,000 towards organizing Summer School on Data Science.

V. V. Kamat
Co-ordinator
ACM Summer School
On Data Science

Forwarded though HoD
16/4/18

Vice Chancelor
17/4/18

Prof V. V. Kamat

## Q4: Concurrency Control

Transactions $T1$, $T2$ and $T3$ arrive in that order to a DBMS and are executed concurrently according to the (partial) read-write schedule shown below. Based on this schedule, determine which CC algorithm, if any, from among 2PL, Timestamp Ordering and Validation Technique, produced it.

- Schedule: $R2(d)$ $R1(a)$ $W1(a)$ $R3(b)$ $R3(c)$ $R2(a)$ $W2(a)$ $R2(c)$ $W3(c)$ $R1(d)$ $R3(d)$ $W1(d)$