Department of Computer Science and Engineering
National Institute of Technology Calicut

NIT Campus (PO), Calicut-673601, India

DCC Meeting Minutes

Date: 20/01/2022 and 24/01/2022   **Time: 12:20 PM to 1:00 PM**   **Venue/Mode: Online**

Agenda Items:

1. Ratification of the minutes of the DCC meeting held on 13/12/2021
2. Action Taken Action Pending Report of the last DCC meeting
3. Regarding amendment of publication requirements in Ph.D regulations
4. Comments on M.Tech Semester II Academic Calendar 2021-2022 (Proposed)

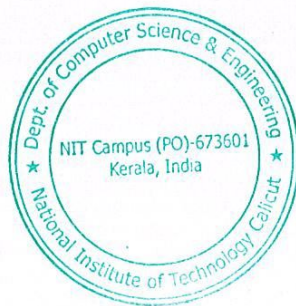The DCC meeting started online at 12:20 PM. The Chairperson welcomed all members to the meeting.

Agenda Item 1: Ratification of the minutes of the DCC meeting held on 13/12/2021

The DCC ratified the confirmation of the minutes of the DCC meeting dated 13/12/2021

Agenda Item 2: Action Taken Action Pending Report.

Action items in the DCC meeting dated 13/12/2021

Item	Status
Constitution of Doctoral Committee - Reg.	Forwarded to Dean Academic on 20/12/2021.
Proposal to increase the number of Associate Deans	Forwarded to Deputy Director on 22/12/2021.
Ph.D admission of Research staff	Forwarded to Dean Academic on 20/12/2021.
S6 MCA internship requests	Approved by DCC and forwarded to MCA Coordinator, Dr. Pournami P. N. File sent again subsequently on 13/01/2022.

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Agenda Item 3: Regarding amendment of publication requirements in Ph.D regulations

The item (*Annexure 1*) was presented by the PhD Representative member in the DCC. Members noted that review time in many of the major journals in Computer Science involves one to two years. Normally, a student may be expected to submit a second journal paper for review at the end of the five year period of Ph.D and the long review time creates an undue waiting period for the student to complete the publication requirement. The DCC also noted the fact publications in Core A or A* rated journals/conferences are important for postdoctoral positions.

The DCC unanimously resolved to recommend that the Ph.D publication requirement for Ph.D students in the department may modified so as to make **One SCIE journal plus one CORE A or A* rated conference to be considered as an alternative to two SCIE journal publications.**

Agenda Item 4: Comments on M.Tech Semester II Academic Calendar 2021-2022 (Proposed)

The agenda item was presented by the HOD. The DCC discussed the item and resolved to recommend the same.

The meeting started on 20/01/2022 at 12:20 PM and closed at 1:00 PM and resumed on 24/01/2022 at 12:20 PM and closed at 1:00 PM.
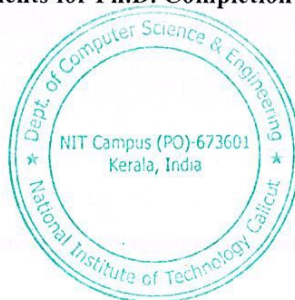
Annexure 1
(Presented by PhD Representative Member, DCC, CSED)

Regarding the Amendment of Publication Requirements in Ph.D. Regulations

According to the clauses R-23 and R-25 of the Ordinances and Regulations for Ph.D. (2017), a minimum of two SCI/SCIE publications are needed for the successful completion of Ph.D. The following points were suggested by the research scholars of CSE regarding the publication criteria.

1. **More Publication Options** – The requirement of two SCI/SCIE publications is difficult to meet within five years for some research domains (example: Theoretical Computer Science, Compilers etc) within Computer Science due to very high review times and lesser options. However, the highly graded conferences in such areas provide standards on par with SCI/SCIE indexed journals. Therefore, the inclusion of highly graded conferences would provide more publication options with lesser review times.

2. **Exceptional Cases Recommended by the DC** – The Doctoral Committee may recommend cases (as in the areas mentioned above) where there is enough quantity and quality of work, and publications out of which one is in an SCI/SCIE indexed journal.

Issues Regarding the Publication Requirements for Ph.D. Completion (CSED)

27/01/2022

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There are research areas within Computer Science and Engineering (CSE), having concerns about meeting the publication criteria of two SCI/SCIE indexed journals within five years. The following are the major points in this regard:
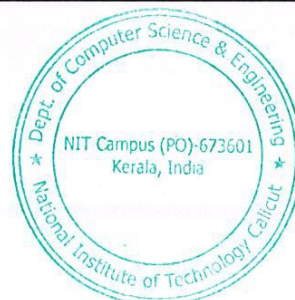
1. In areas like Theoretical Computer Science, Compilers etc, it takes a long time to publish the research work in reputed journals (SCI/SCIE). The reputed journals in these areas take around 1 – 2 years to complete the review process. At the same time, **there are highly rated conferences with standards on par with SCI/SCIE indexed journals** in such areas.
2. Due to the constraint of mandatory publication in SCI/SCIE journals, the research scholars in these areas miss out the opportunity to publish quality works in a reasonable time frame.
3. Many reputed institutes provide provisions to handle such exceptional cases:
   a. **IIT Madras provides a provision that DC may recommend exceptional cases** that do not meet the publication requirements (R.13(b) in Regulations).
   b. **IIT Bombay** (http://placements.iitb.ac.in/phd/requirements.php) and IIT Roorkee (R.6.2 in Regulations) which mandate two publications, **consider the proceedings of reputed conferences as valid**.
4. The highly ranked institutions like **IISc, IIT Delhi, and IIT Kanpur** do not have such mandatory norms for publishing research work.

Reputed Conferences in CSE

There are **highly graded conferences in CSE** (http://www.conferenceranks.com/), including those **recognized by the Association for Computing Machinery (ACM)**, with standards on par with SCI/SCIE indexed journals (http://portal.core.edu.au/conf-ranks/). These conferences are organized by experts in the corresponding areas, and attract high quality research works. In this regard, the following points can be noted:

1. These conferences guarantee very high standards in the review process.
2. The full versions of the papers presented in these conferences get published in SCI/SCIE journals. But the review time for publishing the journal version is still very high.
3. Publications in highly ranked conferences are considered important for getting postdoc positions in reputed universities.

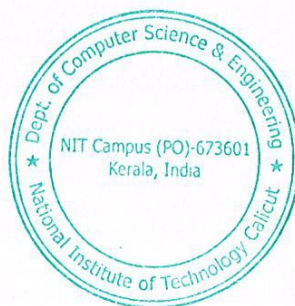| Ph.D. Publication Requirements of Top-Ranking Institutes			
Sl No.	Institute	Publication Requirement	Link
1	IISc	Not mentioned in the Ph.D. rules	https://iisc.ac.in/wp-content/uploads/2021/02/SIH-2020-21.pdf
2	IIT Madras	A Ph.D. scholar is required to have at least one paper either published or accepted for publication in an acceptable refereed journal.	https://www.iitm.ac.in/sites/default/files/Ordinances/phd-ord.pdf

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		The DC may recommend exceptional cases that do not meet this requirement, which will then be reported to IITM Senate. (R.13(b))	
3	IIT Delhi	A thesis should normally be supplemented by published work. (5.13.5 (vii))	https://home.iitd.ac.in /uploads/Courses-of-Study_2020-2021.pdf
4	IIT Bombay	In order to submit the synopsis and thesis, a Ph.D. Student is required to meet the following requirements. He/she must have: 1. At least two papers published/accepted for publication in refereed journals of repute, 2. At least one paper published/accepted for publication in a refereed journal of repute and at least one paper published/accepted for publication in the proceedings of an international conference.	https://www.iitb.ac.in /newacadhome/phdR ules.pdf http://placements.iitb. ac.in/phd/requirement s.php
5	IIT Kanpur	Not mentioned in the Ph.D. rules	https://iitk.ac.in/doaa/ data/pgmanual-02Sep 2015.pdf
6	IIT Roorkee	It is expected that the student has already published (or, accepted for publication) at least two papers out of which at least one paper should be in a peer reviewed journal of repute, or in some select disciplines it could be in the proceedings of an international conference of repute as endorsed by the SRC. If the SRC deems fit, it may recommend submission of thesis even in the absence of required publications. However, such cases shall be reported to the Senate. (R.6.2)	https://www.iitr.ac.in/ ACAD/pages/PhD_R ules_and_Regulations 2019_updated.pdf