

**Department of Computer Science and Engineering**  
**National Institute of Technology Calicut**  
NIT Campus (PO), Calicut-673601, India

**DCC Meeting Minutes**

**Date: 20-09-2023 & 17-10-2023**

**Time: 12:00 PM**

**Venue: CSED Seminar Hall**

**Agenda Items:**

1. **Ratification of the minutes of the DCC meeting held on 18/08/2023**
2. **Action Taken Action Pending Report of the last DCC meeting**
3. **Change in the eligibility Criteria for PhD admission**
4. **Department Website**
5. **Faculty Recruitment -Oct 2023**
6. **Request to establish "CoViML-Research Group"**
7. **Ensuring the availability of TAs for laboratories**
8. **Regarding the 6 month internship eligibility of 4th year BTech students**

The DCC meeting commenced at 12:00 PM in the CSED Seminar Hall. The Chairperson welcomed all members to the meeting.

**Agenda Item 1: Ratification of the minutes of the DCC meeting held on 18/08/2023**

DCC ratified the minutes of the last DCC meeting dated 18/08/2023.

**Agenda Item 2: Action Taken Action Pending Report of the last DCC meeting**

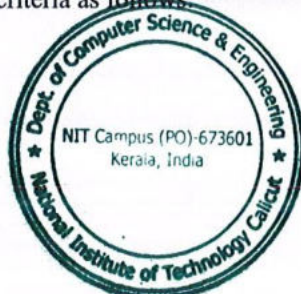
Action Taken: NIL

Action Pending: NIL

**Agenda Item 3: Change in the eligibility Criteria for PhD admission**

In response to recommendations from faculty members advocating for a broader scope of eligibility for Ph.D admissions within our department, an email discussion was initiated to explore the possibility of extending eligibility to candidates without a background in computer science. A committee comprising three faculty members was established to formulate revised eligibility criteria. The proposal was developed by the committee with inputs from the Academic Dean and the PG Chairperson, and subsequently presented to the PhD coordinator.

The PhD coordinator presented the proposal (Annexure I) submitted by the departmental committee outlining the modifications to the eligibility criteria for PhD admission. After a detailed discussion, the DCC recommended the eligibility criteria as follows:



*Subhajree M.*  
21/10/23  
SUBHAJREE M.  
HOD, CSED

**A. Eligibility Requirements for Admission to Ph.D. Programmes in the Department of Computer Science and Engineering, NIT Calicut.**

The candidates applying for admission to Ph.D. Programmes under Schemes I-V in the Computer Science and Engineering Department must meet the following minimum eligibility requirements:

M.E./M.Tech./M.S. Degree with any one of the degrees (Undergraduate or Postgraduate) in Computer Science and Engineering / Information Technology / Electrical and Electronics Engineering / Electronics and Communication Engineering or other equivalent Engineering disciplines with minimum 60% marks (CGPA 6.0/10) in both the degrees [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)].

OR

MSc./MS or equivalent degree in Mathematics/Statistics/Computer Science/Electronics or MCA degree with minimum 60% marks (CGPA 6.0/10) [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. They must possess a valid GATE/NET score to be considered for Scheme I with Institute Fellowship. For applying for PhD admissions under schemes II-VI, a valid GATE/NET score is not mandatory.

**B. Selection Process for Admission to Ph.D. Programmes**

The selection of candidates for the PhD programme under Schemes I-VI will be based on a written test (national level eligibility test) and interview, both conducted by the respective Departments/Schools.

**Agenda Item 4: Department Website**

Dr Hiran V Nath brought to the notice of DCC, the oral recommendation given by the institute media cell on hosting the CSED website in the Institute web server. DCC agreed with the recommendation and suggested the department representatives (Dr Pournami P N and Dr Anand Babu) of Institute Web Management Committee to explore the option.

**Agenda Item 5: Faculty Recruitment -Oct 2023**

The HoD brought to the notice of DCC, the upcoming faculty recruitment scheduled in Dec-2023, urging the members of the DCC to finalize the syllabus for the screening test and the preferred specializations.

The DCC members considered the specializations of existing faculty members in the department and resolved that fresh recruitments may be limited to faculty applicants specialized in the following areas of Computer Science and Engineering. It was resolved to propose, applicants with a basic Engineering Degree (B.E./ B.Tech) in the field of Computer Science and Engineering and with the following specializations, may be considered for recruitment during the upcoming Faculty selection :

*Algorithms and Complexity, Computer Architecture, Database Systems, Logic and Verification, Program Analysis, Quantum Computing, Machine Learning and Data Analytics, Systems Software, Natural*



*H. Hiran*



*Language Processing, Operating Systems, Image Processing and Computer Vision, Computer Networks, and Software Engineering.*

The DCC also granted approval for the screening test syllabus for the faculty recruitment scheduled for October 2023, which is provided in Annexure II.

**Agenda Item 6: Request to establish “CoViML-Research Group”**

Dr M Prabu, presented the proposal(Annexure III) to create a new research group called "CoViML" (Computer Vision and Machine Learning Lab). The primary focus of this lab will revolve around research involving simulation, analytics, and experimentation, with a strong emphasis on societal applications, product development, and patent creation. The group aims to make significant contributions to various fields, including Agriculture Applications, Medical & Health care, real-time applications, and assistance for the elderly and disabled. It was also highlighted that several faculty members have expressed their interest in joining this lab, and obtaining funding from the government of India is a priority for its sustainability.

The DCC unanimously approved the proposal.

**Agenda Item 7: Ensuring the availability of TAs for laboratories**

Dr Vinod Pathari presented a proposal to modify the method of computation of teaching assistantship stipend due to the issues with the existing “attendance-based” system. Currently, students can receive full TAship even if they take leave of absence for some lab days, which is problematic.

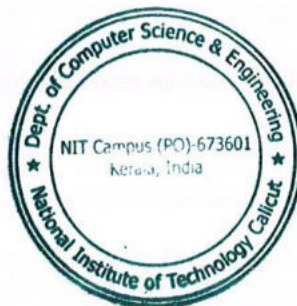
The proposed solution involves deciding that a fixed number of hours of work per month are expected from the fellowship students through TAship (academic assistance / lab duty / exam invigilation). In case the student does not perform the assigned duty for these number of hours, there will be proportionate reduction in their TA amount.

After a brief discussion, DCC resolved to discuss this in detail in the next meeting.

**Agenda Item 8:**

Manaswi Pattipati, UG representative, presented a request (Annexure IV) for relaxation in attendance criteria for the next semester so that the students participate in the placement drive for companies with mandatory 6-month internships and FTE roles.

DCC informed the student representative that the decision is not under the purview of the DCC.



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### Annexure I

Link:

<https://docs.google.com/document/d/11MAwmfM6xA1XNZodmmcJ7XHnGUf9pZu0TGfJPza3rmw/edit?usp=sharing>

### Annexure II

Link: <https://drive.google.com/file/d/18iw94xakRKDLW8nollchMPYuRKmWdudJ/view>

### Annexure III

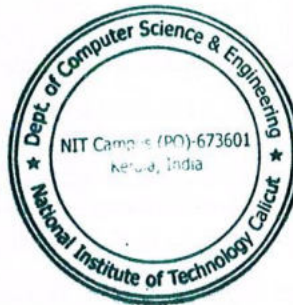
Link:

<https://docs.google.com/document/d/169uWg4DBsSr0KZxWDYFVdkeKoKNhODIretcx1Nb4syQ/edit>

### Annexure IV

Link:

<https://docs.google.com/document/d/10AU2NtiR1WdOAPkijiMse5IYwfsltoqDA3iS6i3j4xQ/edit>



*J. K. S. K.*



Department of Computer Science and Engineering

**Proposal Drafted by Chairperson PG Admissions based on the requirements presented by CSED:**

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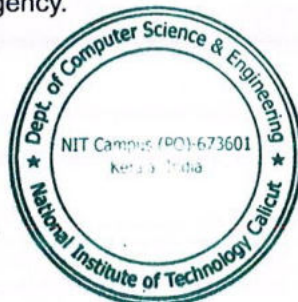
M.E./M.Tech./M.S. Degree with any one of the degrees (Undergraduate or Postgraduate) in Computer Science and Engineering / Information Technology / Electrical and Electronics Engineering / Electronics and Communication Engineering or other equivalent Engineering disciplines with minimum 60% marks (CGPA 6.0/10) in both the degrees [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)].

OR

MSc./MS or equivalent degree in Mathematics/Statistics/Computer Science/Electronics or MCA degree with minimum 60% marks (CGPA 6.0/10) [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. They must possess a valid GATE/NET score to be considered for Scheme I with Institute Fellowship. For applying for PhD admissions under schemes II-VI, a valid GATE/NET score is not mandatory.

**B. Selection process:**

- For selection to PhD Scheme-I with Institute Fellowship and Scheme-II (Self-sponsored), the candidates must qualify the National level eligibility test (**GATE/NET/NITC**) and interview conducted by the Department of Computer Science and Engineering, NIT Calicut.
- The selection of candidates for the PhD programme under Schemes III-VI will be based on Department level written test and/or interview conducted by the Department of Computer Science and Engineering, NIT Calicut.
- Those candidates meeting the eligibility conditions mentioned in (A) above and additionally secured **Govt. Fellowships such as CSIR-UGC JRF/KSCSTE etc.**, will be selected for PhD admission under scheme I, based on their performance in the Department level written test and/or interview conducted by the Department of Computer Science and Engineering, NIT Calicut. Fellowship for such candidates shall be as per the norms of the funding agency.



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**Department of Computer Science and Engineering**

Faculty Recruitment 2023 : Syllabus of Screening Test for Assistant Professor – Grade II (Level 10)

**Section 1: Engineering Mathematics**

**Discrete Mathematics:** Propositional and first order logic. Sets, relations, functions, partial orders and lattices. Monoids, Groups. Graphs: connectivity, matching, coloring. Combinatorics: counting, recurrence relations, generating functions.

**Linear Algebra:** Matrices, determinants, system of linear equations, eigenvalues and eigenvectors, LU decomposition.

**Calculus:** Limits, continuity and differentiability. Maxima and minima. Mean value theorem. Integration.

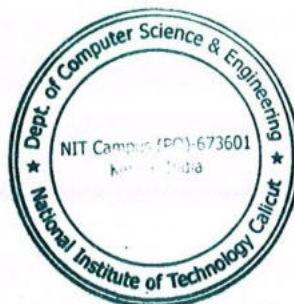
**Probability and Statistics:** Random variables. Uniform, normal, exponential, poisson and binomial distributions. Mean, median, mode and standard deviation. Conditional probability and Bayes theorem.

**Section 2: Programming and Data Structures**

Programming in C. Recursion. Arrays, stacks, queues, linked lists, trees, binary search trees, binary heaps, graphs.

**Section 3: Algorithms**

Searching, sorting, hashing. Asymptotic worst case time and space complexity. Algorithm design techniques: greedy, dynamic programming and divide-and-conquer. Graph traversals, minimum spanning trees, shortest paths



*J. K. S. K.*



## ANNEXURE . III

### Requesting to establish a CoViML-Research Group

We are in the process of proposing a new research group known as "CoViML" (Computer Vision and Machine Learning Lab). The primary focus of this lab, in the short term, will revolve around simulation, analytical, and various experimental research endeavors. Our primary vision for this laboratory places significant importance on societal applications, product development and patent creation, both in the short and long term.

We are confident that CoViML will bring substantial benefits to society, particularly in fields such as Agriculture Applications, Medical & Health care, real time applications and assistance for elderly and disabled individuals. Additionally, we have a strong commitment to securing funding for projects from the government of India, ensuring the sustainability and growth of the Lab.

I am currently a member of the Intelligent Computing Research Group and am excited about fronting the establishment of the CoViML. Furthermore, few faculty members from our department have expressed their interest in joining this new research lab.

Currently, we have received expressions of interest from individual faculties who are willing to join our group. This willingness has been collected through both oral discussions and email communications. The following individuals have expressed their intent to become part of our group.

(Sumesh T. A, A.Lijiya, Pranesh Das, Jay Prakash)

Once we receive official permission to establish the group, we will proceed to approach the department faculties to seek their consent and willingness to become part of this group.

Your support in the development of CoViML would be greatly expected.



*J. Prasanna*

ANNEXURE. IV

13-10-2023,  
NIT Calicut.

From,  
Manaswi Pattipati (B200790CS)  
DCC member from Btech  
Department of Computer Science and Engineering  
NIT Calicut

To,  
The Head of Department,  
Department of Computer Science and Engineering  
NIT Calicut

Subject: Allowing students to do courses (left because of not overloading) parallelly with the 6 month internship and appear for mid semester and end semester exams.

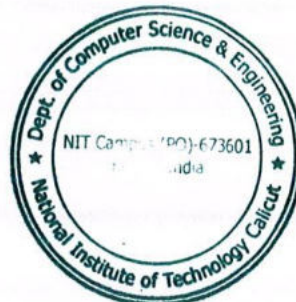
Sir/Madam,

As the placement drive is going on, however due to the ongoing recession, the intake has been reduced compared to last year. Companies are requiring mandatory 6 month pre-placement internships along with FTE roles, which makes a lot of students ineligible to apply for those companies.

As we had discussed earlier with HoD and the timetable committee about providing opportunity to overload the courses after the extended deadline which was then rejected by the Dean academic due to some issues like attendance and IMS registration, students are requesting for relaxation in attendance criteria for next semester so that they can sit for placement drive of such companies which are asking for mandatory 6 month internship along with FTE role and appear for mid semester and end semester exams of the courses which they haven't overloaded.

After discussing with the class, we've concluded that the students are willing to put in the effort to manage both their internship as well as courses left to complete (because of not overloading) simultaneously. So, we kindly request you to take necessary actions to ensure that the students can sit for such companies.

Yours Sincerely,  
Manaswi Pattipati



*Manaswi*