

**One Day Planning Meeting of Knowledge Centre, IIT Bombay  
of the Sanctioned Project on  
Centre of Excellence for Digital Farming Solutions for Enhancing Productivity by  
Robots, Drones and AGVs (DFA)  
Created under  
Centre of Advanced Agricultural Science and Technology (CAAST)  
National Agricultural Higher Education Project (NAHEP)  
KAB-II, ICAR, Pusa, New Delhi, India**

**Minutes of Meeting**

**Opening:** A one day planning meeting of Knowledge Centre IIT Bombay was called on 06<sup>th</sup> Jan-2019 at 10:30 AM in the Department of CITARA IIT Bombay.

- Present:**
- (1) Prof. Satish Agnihotri, Professor and Head of CTARA Deptt. , Principal Investigator NAHEP-CAAST-VNMKV-Knowledge Centre, IIT, Bombay.
  - (2) Prof. Amit Arora, Co-Principal Investigator, NAHEP-CAAST-VNMKV-Knowledge Centre, IIT Powai, Bombay
  - (3) Prof. Asim Tewari, Core team Member, NAHEP-CAAST-VNMKV-Knowledge Centre, IIT Powai, Bombay
  - (4) Prof. Kavi Arya, Co-Principal Investigator, NAHEP-CAAST-VNMKV-Knowledge Centre, IIT Powai, Bombay
  - (5) Prof. Hemendra Arya, Co-Principal Investigator, NAHEP-CAAST-VNMKV-Knowledge Centre, IIT Powai, Bombay
  - (6) Prof. Leena Vachhani, Core team Member, NAHEP-CAAST-VNMKV-Knowledge Centre, IIT Powai, Bombay.
  - (7) Prof. Gopal U. Shinde, Principal Investigator, NAHEP-CAAST-VNMKV, Parbhani, Maharashtra
  - (8) Prof. S. N. Pawar, Co-Principal Investigator, NAHEP-CAAST-VNMKV, Parbhani, Maharashtra

**Agenda:** Planning Meet for the execution of the project “Centre of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs (DFA)”

**Recorded Minutes:**

1. A two/three weeks training program is proposed to be conducted twice in a year during the project duration, one for the students and another one for the faculty. The appropriate time for both the training programs will be in the month of May and June, **July** of each year.
2. Three Junior Research Fellows (JRFs) / Senior Research Fellows (SRFs) will be recruited through Centre for Technology Alternative for Rural Area (CTARA), IIT Bombay and these fellows will be working under the supervision of Principal/Co-Principal investigators of the project at IIT Bombay.

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3. The Research Partners, NAHEP-CAAST-DFA, CTARA IIT Bombay and NAHEP-CAAST-VNMKV, Parbhani combindly may propose suitable courses/training programs to the students, faculty members and Entrepreneurs under Continuing Education Program (CEP) of IIT Bombay.
4. It is also proposed to conduct **2-4 workshops per year**, two at CTARA IIT Bombay and two at VNMKV, Parbhani involving the stake holders.
5. It is also proposed to conduct **2-4 workshops**, to impart training to support staff to setup advanced robotics laboratories relevant to Agribots, Agridrones, AgriAGVs etc. at VNMKV Parbhani campus. During these workshops VNMKV faculty and IITB faculty will jointly develop courses and laboratory experiments which can be delivered by faculty of VNMKV, Parbhani.
6. Three certificate courses in the areas of (1) Agribots, (2) Agridrones and (3) AgriAGVs of 40 participants each will be organized every year during the project at VNMKV, Parbhani and the faculty from IIT Bombay can act as resource persons as well as the supervisors for the short-term projects of the above mentioned certificate courses.
7. The process of access to the Digital Library and the Technical Softwares of IIT Bombay will be made available to the PG/Ph.D. Students and Faculty of VNMKV, Parbhani as per the Institute Norms/Regulations.
8. There will also be a mutual collaboration between NAHEP-CAAST-DFA, IIT Bombay and NAHEP-CAAST-VNMKV, Parbhani in publishing the books and high-end quality research papers, filing the patents and commercialization of developed technologies.
9. The faculty from IIT Bombay can act as co-supervisors in the research projects of PG/Ph. D. Students of VNMKV, Parbhani. Similarly, the PG/Ph. D. Students of IIT Bombay can undertake research trials of their projects at VNMKV, Parbhani under the co-supervision of VNMKV Faculty.
10. The sanctioned project grant to NAHEP-CAAST-DFA, IIT Bombay Knowledge Center is Rs. 85.00 Lakhs for the three years of project duration. It will be sanctioned under the head of Operational Cost of NAHEP-CAAST-VNMKV, Parbhani as per Annexure I of Detailed Project Report (DPR) of NAHEP-CAAST-VNMKV, Parbhani.
11. Food processing automation project works in Digital Agricultural Solutions for PG/PhD students of both partner Institutions/University.
12. Overall participatory work in CDKS/SSPN/SPM/FPA portfolios using Agribots/AgriDrones/AgriAGVs.



*Signature* 14-2-2020

**डॉ. सतीश ब. अग्निहोत्री**  
**Dr. Satish B. Agnihotri**  
 प्राध्यापक एवं विभागाध्यक्ष / Professor & Head  
 ग्रामिण क्षेत्र हेतु वैकल्पिक प्रौद्योगिकी केंद्र  
 Centre for Technology Alternatives for Rural Areas  
 भारतीय प्रौद्योगिकी संस्थान मुंबई  
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