NATIONAL CYBER SAFETY & SECURITY STANDARDS

MEMORANDUM OF UNDERSTANDING FOR THE ESTABLISHMENT OF NATIONAL CYBER DEFENCE RESEARCH CENTRE (MACHINE LEARNING WITH CYBER SECURITY) BETWEEN DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT, BANGALORE AND NATIONAL CYBER SAFETY AND SECURITY STANDARDS (NCSSS).

THIS MEMORANDUM OF UNDERSTANDING IS ENTERED INTO ON 14th OF FEB 2020 AND VALID UPTO 13th OF FEB 2021.

BETWEEN

Dayananda Sagar Academy of Technology And Management represented herein by its **Sri GaliSwamy, Secretary, DSI**, which expression shall unless repugnant to the context means and include its successors and assigns of the ONE PART and shall be referred as DSATM from now on and wherever the word Institute comes in this MoU, it implies Dayananda Sagar Academy of Technology And Management.

AND

National Cyber Safety and Security Standards, an organisation represented herein by its Addl. Director General, **Dr. E. Khalieraaj**, which expression shall unless repugnant to the context mean and include its successors and assigns of the OTHER PART and shall be referred as NCSSS from now on

Dr. P. S. Lakshmikantha Ph.D
Principal / Director
Dayananda Sagar Academy of
Technology & Management
Udayapura, O   ur Ashrama
Kanakapura   ore - 560 0..

The Memorandum of Understanding (MoU) establishes the following:

OBJECTIVE AND SCOPE

To establish a National Cyber Defence Research Centre (Machine Learning with Cyber Security) with the assistance and co-operation of Institution to facilitate students and research scholars to do Research & Development (R&D) on Cybersecurity to build innovative ideas to address National Critical Digital Infrastructure.

The Scope of MoU includes the following:

- Cyber Security Faculty Development Programmes.
- Cyber Security Awareness Programmes for Students.
- Opportunity to participate in the Cyber Security Awareness Programmes, Summits and Workshops across National Resource Centres zone in the reserved seats category.
- Opportunity for Faculty and Students to publish their research papers, articles & white papers in the NCDRC publications and also the best papers/articles will be sent to the Government of India.
- Facilitate the Research Centre with NCDRC Cyber Security Expers/Mentors periodically to guide the research scholars and students.
- Guide the research centre to build and work on the National Cyber Critical Analysis Projects.
- Guide & help the research scholars to get equipped with the multi cyber range skills.
- Opportunity for Faculty and Students to present their research papers in the International Cyber Security Conferences, Summits and Workshops.
- Opportunity for the Institution to get collaborative with other Research Institutions under NCDRC.

BACKGROUND

DSATM is recognised as National Resource Centre (NRC) of National Cyber Security programme. Under this NRC, several awareness programmes on cyber security were conducted for the benefit of student's community. In this era of Internet, the digital world faces huge threats in the form of cyber attacks and Information thefts. With the proliferation of cyber attacks there is a need to build cyber education programs among the students community. Towards this vision, the NRC of the Institute will actively conduct training, workshops, seminars and delegate research projects pertaining to this area.

National Cyber Defence Research Centre (NCDRC) has embarked on setting up cyber security research centres across India, with the objective of conducting research, training and hands on lab environment for universities, industry and professionals. These research labs will also be involved in detecting, analysing and preventing cyber threats/ attacks and forensics.

The Objectives of DSATM are

- To create awareness among the students about cyber threats and how they should be careful and avoid falling into cyber traps.
- To educate and guide the students in the field of cyber security and safety to motivate them to take up career in the wide cyber range domains.
- To involve the students /research scholars in carrying out research activities to detect, analyze and prevent cyber threats and attacks.
- To conduct cyber security awareness programme respective zone for the Schools and Colleges.

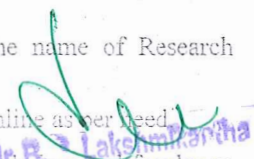## IMPLEMENTATION OF THE MEMORANDUM OF UNDERSTANDING:

The objective of this MoU will be implemented and regulated in the following manner:

1.0 ROLE AND RESPONSIBILITIES OF DSATM

- The infrastructure, computers, software and other requirements for the functioning of the Research Center are available in DSATM.
- DSATM shall form an Executive Committee involving its faculty members to track and monitor all learning and research activities and communicate the same to the NCDRC team.
- DSATM shall ensure that faculty and research scholars to submit their monthly research papers/articles and white papers that will be reviewed and updated in digital assets by NCDRC team.
- NCDRC research lab that is to be established shall be a separate, protected laboratory with the available infrastructure and facilities.
- Research Institution can use the NCDRC Logo in their website and promotionals materials whereever necessary with NCDRC prior approval.
- Research Institution should facilitate the NCDRC Cyber Security Experts/Mentors with lodging facility (food & accommodation) at your premises.
- Research Institution should conduct two awareness programmes per quarter within the zone involving schools and colleges participants and other interested participants from public.
- Research Institutions should send the request about the programmes and NCDRC Cyber Security Experts/Mentors nominations atleast 2 weeks before the programme.
- All Cyber Security awareness initiatives with detailed "Press Release(PR)" should be updated to NCDRC before and after the programme.

2.0 ROLE AND RESPONSIBILITIES OF NCSSS:

- NCSSS shall constitute a Committee that will work with Executive Committee of the Institute for the effective functioning of the Research Centre.
- The Technical Committee constituted by NCSSS will assist the Executive Committere to solve various cyber security issues that it receives from multiple quarters of several institutions through this laboratory.
- The R&D opportunity will be imparted only to the students, who are selected by NCSSS through several selection tests conducted from time to time.
- Considering the time and resources,the number of students selected for R&D shall remain arbirtrary. The selection to the training will be purely on merit, and the selection and training shall not be claimed as a matter of right.
- NCDRC Cyber Security Experts/Mentors will visit the research centre twice per quarter.
- NCDRC will facilitate the Cyber Security Experts/Mentors with travel and remuneration.
- NCDRC will provide the "Certificate of Accreditation" in the name of Research Institution with validity.
- NCDRC will provide the support to the research institution via online as per need.
- NCDRC will provide a seperate portal access for the research scholars and faculty to collobarative with the other cyber security experts.

3.0 JOINT RESPONSIBILITY OF NCSSS AND DSATM:

- The members and all those related to the Research Centre and the DSATM shall maintain absolute confidentiality about the projects and every document connected to the projects undertaken by them and should not disclose without the assent of the NCSSS.

- The Research Centre and the Technical Team shall be utilised only for legitimate activities.

4.0 TERMS AND CONDITIONS

- The Cases/Projects/Reports entrusted by NCSSS will remain as the exclusive property of NCSSS.

- Neither of the party shall pay or bear any remuneration, cost or any expenses to the team or any candidates selected for the Research lab.

- Both parties agree that provisions content in this MoU do not create any legal obligations between the parties

- In the event of any misunderstanding and differences between the parties hereto, such misunderstanding/differences shall be solved amicable by mutual discussions

- The parties hereto covenant and agree that they will execute each such other and further instruments, supplementary agreements and documents as are or may become reasonably necessary or convenient to effectuate and carry out the purposes of this MoU.

- All letter correspondences, communications to either party will be sent to the under mentioned address:

5.0 TENURE AND TERMINATION:

- This MoU is at-will and may be modified by mutual consent between the parties and will remain in forcé for a period of one year until modified or terminated by any one of the partners by mutual consent.

- This MoU may be terminated by either party hereto by giving written notice to the other party 90 days in advance of a specified date of termination stating its intent not to renew.

6.0. Research Centre Fee to NCDRC:

Research Centre Fee (First Year): INR 3,00,000 /- (3 Lakhs Rupees) + 18% GST

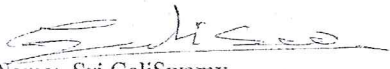Research Centre Renewal Fee (Per Year): INR 2,00,000 /- (2 Lakhs Rupees) + 18% GST

Dr. B. ? Lakshmikantha
Principal / Director
Dayananda Sagar Academ. of
Technology & Management
Udayapura, Kanakapura Road
Opp. Art of Living. Bengaluru - 560 082

7.0 FUNDING COSTS

The parties shall each take care of the finance for their responsibilities in consultation with their respective Institutions and the availabilities of funds.
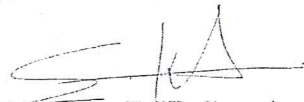
For

Dayananda Sagar Academy of Technology And Management (DSATM)
Udayapura, Kanakapura Road,
Opp. Art of Living, Bangalore-560 082,
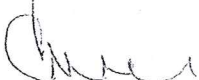Karnataka, India.

Name: Sri GaliSwamy
Designation: Secretary, DSI
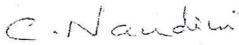For Dayananda Sagar Academy of Technology And Management

For

National Cyber Safety and Security Standards
69, Regal Building, Connaught Place,
New Delhi -110 001.

Name: Dr. E. Khalieraaj
Designation: Addl.Director General
For National Cyber Safety and
Security Standards

Witnesses

1) Dr. B. R. Lakshmikantha
   Principal, DSATM

2) Dr. C. Nandini
   Vice Principal, DSATM
   Professor & Head
   Dept. of CSE, DSATM.

Witnesses

1) Mr. Karthi A
   Nodal Officer, NCSSS, New Delhi

2) Dr. Saravanan Kumar R
   Associate Professor. CSE, DSATM

Dr. B R Laksnmikantha Ph D
Principal / Director
Dayananda Sagar Academy of
Technology & Management
Udayapura, O   to Ravishankar Ashrama
Kanakapura Road, Bangalore - 560 082