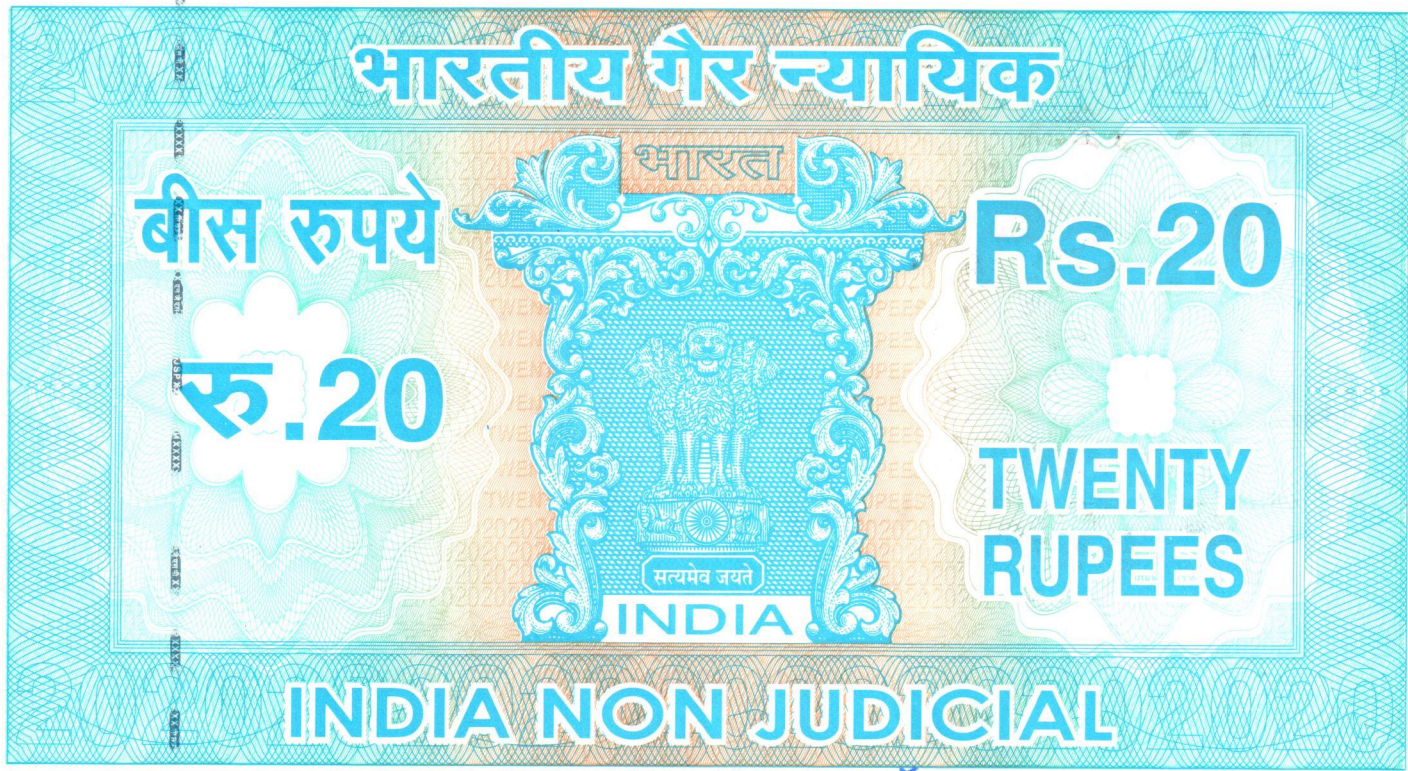


84AB 606681
T.S. NAGARAJAN
Stamp Vendor
License No. 17579/B7/95
High Court Campus
Chennai-104.

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU), made and entered into on this 21st day of December 2020 by and between the following two entities collectively referred to as "Parties" and each referred to individually as "Party".

Sathyabama Institute of Science and Technology (SATHYABAMA) at Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai-600119 represented by its Vice chancellor, Dr. T. Sasipraba hereinafter (which expression shall unless repugnant to the context or meaning thereof, include its successor in office and permitted assigns) on the FIRST PARTY

AND

The Rubber Skill Development Council (RSDC), a non-profit company under Section 25 of the Companies Act 1956, promoted by the All India Rubber Industries Association (AIRIA) and Automobile Tyre Manufacturers' Association (ATMA), under the aegis of National Skill Development Corporation (NSDC) whose office is at #217, 02nd Floor, Rectangle 1, Saket District Mall, New Delhi - 110017 (hereinafter referred to as "RSDC", which expression shall unless it is repugnant to the context or meaning thereof be deemed to mean and include its successors in interest and permitted assigns.) on the SECOND PARTY

Dr. T. SASIPRABA, M.E., Ph.D.,
VICE CHANCELLOR
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.



Objectives of the MoU

SATHYABAMA would be taking preliminary steps for introducing and implementing rubber courses/programs aligned to National Occupational Standards (NOS) developed by RSDC, mutually decided by both the parties, which would aim to enhance the employability of students of SATHYABAMA by equipping them with Industry / sector relevant skills.

And, RSDC through its Education & Skill Development initiatives will work closely with its members and Industry Associations to help improve the quality of the employable skills of the students of SATHYABAMA. The students will be assessed as per RSDC set standards and guidelines.

Now it is hereby mutually agreed amongst both parties to this MoU and binds themselves to the terms and conditions enumerated in succeeding paragraphs:

Responsibility and deliverables of SATHYABAMA

- a) To appoint an empowered committee of SATHYABAMA to align the courses in accordance to National Occupational Standards (NOS) developed by RSDC and suggest suitable changes.
- b) To select relevant job role for the students and take RSDC approval for implementation.
- c) To arrange infrastructure at existing Institute/College premises to carry out training batches, thus enabling to utilize the existing infrastructure and other facilities present in their premises.
- d) To mobilize the trainees/students.
- e) Execute program as per content designed and developed by RSDC.
- f) Plan and schedule training batches.
- g) Ensure monitoring of the courses and obtain feedback for the utility of the courses being offered.
- h) Developing tools and rubrics for quality assurance.
- i) Conduct review sessions for feedback with reference to:
 - i. The quality of sessions;
 - ii. Alterations to program design;
- j) Help finalize all the logistics for the assessment Test and Examination of the students.
- k) RSDC cannot discontinue the Program before its completion.

Responsibility and deliverables of RSDC

- a) To assist SATHYABAMA by providing curriculum and content for the courses aligned with the Rubber Sector National Occupational Standards (NOS).
- b) To facilitate training of trainers and help in provisioning of Master Trainers from the industry, on as required basis.
- c) To do promotional activities so as to publicize the initiative for skill development and to facilitate mobilization of trainees.
- d) Organize industry for students in consultation with SATHYABAMA
- e) Arrange Internship for the students in consultation with SATHYABAMA.
- f) Support in connecting with industry to enable the students to have practical training and skill development on the job.



- g) To ensure quality of training delivery by adopting a stringent accreditation process for training service providers, assessments and certification of trainees.
- h) Conduct quality audit on the delivery and other operational activities undertaken by SATHYABAMA with regard to rubber courses.
- i) To conduct assessment of students through RSDC appointed assessment agency
- j) Issue certification by RSDC, NSDC & GOI to those students who have cleared / passed the assessment exam / test conducted by RSDC appointed assessment agency.

Duration / Term of the MoU:

This MoU shall be valid for three (3) years from the date of its entering into and may be mutually extended from time to time in writing by the parties.

Changes / Amendment:

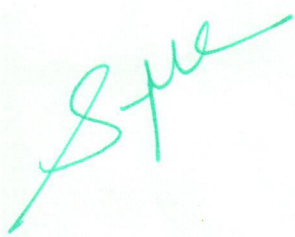
Any modification, amendment, or waiver of any provision of this MOU shall be effective if, and only if, in writing and signed in person or by an authorized representative of each Party against whom enforcement of such modification, amendment or waiver is sought. Any failure to abide by the terms of this MoU by either parties will be considered as breach of contract and legal action can be initiated against the party.

Termination:

The parties can terminate this MoU after serving 3 (three) months' notice in writing if there is failure/ breach of understanding or default by either party other than on force majeure grounds. At the time of termination neither party shall be liable to other hereunder or in relation hereto for more than the fees paid, including the amounts invoiced but not yet paid.

Force Majeure:

Neither party shall be liable to the other for failure or delay in the performance of any of its obligations under this MOU for the time and to the extent such failure or delay is caused due to acts of God, natural disaster, fire, floods, explosions or earthquake, epidemic or quarantine restrictions, serious accidents, war, insurrection or riots, strikes, legal necessity or labour troubles, or any other cause beyond the affected party's reasonable control, provided that sufficient notice of such occurrence of force majeure is communicated to the other party.



IN WITNESS WHEREOF all the parties hereto set their hands and signed the Memorandum of Understanding on the 21st day of December 2020.

**Sathyabama Institute of Science and Rubber Skill Development Council
Technology
(First Party)**

18/12/20
Dr. T. Sasipraba
Vice Chancellor
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

Witnesses:

1.

[Signature]

(Signature)

Name in Block Letters : **Dr. Y. Suresh Chandra**
Designation : **Dean Higher Studies**

Witnesses:

2.

[Signature]

(Signature)

Name in Block Letters : **Dr. S. SATHISH**
Designation : **HOD/CHEMICAL**

(Second Party)

[Signature]
Ms. Shewani Nagpal
Chief Operating Officer

Witnesses:

1.

[Signature]

(Signature)

Name in Block Letters : **SARAJEET KAWR**
Designation : **AM - Affiliation & Training**

Witnesses:

2.

[Signature]

(Signature)

Name in Block Letters : **MD WAHID NOOR**
Designation : **MANAGER - CSR**



विश्वविद्यालय अनुदान आयोग
UNIVERSITY GRANTS COMMISSION
शिक्षा मंत्रालय, भारत सरकार
MINISTRY OF EDUCATION, GOVT. OF INDIA
बहादुरशाह जफर मार्ग, नई दिल्ली - ११०००२
BAHADUR SHAH ZAFAR MARG, NEW DELHI - 110 002



22 SEP 2020
22nd September, 2020

F.No. 4-1/2020(NSQF)

Sub: Approval of programmes / courses under NSQF for the year 2020-21

Dear Sir/Madam,

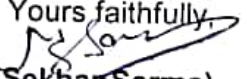
This is to convey that your application for running fresh skill-based programmes / courses in the academic session 2020-2021 was evaluated by a duly constituted Expert Committee. The recommendations of the Committee were subsequently considered by the competent authority. I am directed to convey that your institution may offer the following new programmes / courses under National Skills Qualifications Framework (NSQF) for the academic session 2020 - 2021:

Programme	Trade/Course
Advanced Diploma	Electronics/Robotics and Autonomous Machines
B.VOC. Degree	Beauty & Wellness/ Translational Physiology and Public Health Nutrition
P.G. Diploma	Healthcare/ Computational Biology
Certificate	Construction Management
Diploma	Earthmoving and Infrabuilding/ MECHANICAL ELECTRICAL and PLUMBING (MEP) Technology
Certificate	Banking & Financial Service/ Tally ACE Accounting Software
Diploma	IT/ITes/Hands-on experience using Remote Sensing and GIS
Certificate	IT/ITes/Course on Virtual Reality and Augmented Reality
Certificate	Instrumentation/Quality Control and Non-Destructive Testing Technologies
Certificate	Media and Entertainment/Digital Film making techniques for Beginners

The institution must adhere to the following terms and conditions:

- The institution shall run the courses in accordance with the provisions of the UGC Guidelines for Providing Skill-based Education under National Skills Qualifications Framework (NSQF).
- The institution shall meet the requirements of infrastructure and laboratory facilities for starting the skill-based courses.
- The faculty and infrastructure required to offer these courses shall belong to the Deemed-to-be University.
- Only those courses should be started where the Deemed-to-be University is having a full-fledged Department in the related field so that the courses can be run efficiently.
- Approval of the concerned statutory council(s) will be required, wherever applicable.
- The courses can be started only in the main campus and/or Government of India approved off-campus on regular mode only.
- The Institution shall not run the courses on online / distance education mode and through franchise arrangements.
- The institution shall furnish details regarding students admitted (course-wise) for the forthcoming academic session on the online portal by 31.10.2020. The link to the portal is <https://nsqf.ugc.ac.in/>

This is issued with the approval of the competent authority.

Yours faithfully,

 (Dr. Mriganka Sekhar Sarma)
 Education Officer

Vice Chancellor/Registrar,
 Sathyabama Institute of Science and Technology
 (Deemed University)
 Jeppiaar Nagar, Rajiv Gandhi Salai,
 Chennai-600 119, Tamil Nadu.




भारत सरकार / Government of India

कौशल विकास एवं उद्यमशीलता मंत्रालय / Ministry of Skill Development & Entrepreneurship

प्रशिक्षण महानिदेशालय / Directorate General of Training

राष्ट्रीय कौशल प्रशिक्षण संस्थान: चेन्नई-32 / NATIONAL SKILL TRAINING INSTITUTE: CHENNAI-32

(आई. एस. ओ. २९९९०:२०१० प्रमाणित / ISO 29990:2010 Certified.)

PH: 044-22501211, 22500252 DIR: 044-22501460

Email: ctichennai@gmail.com

नं/No: NSTI/CH/E-11014/3/2019-20/MoU/Trg

दिनांक/ Date: 21.08.2020

To

The Vice Chancellor,
Sathyabama Institute of Science & Technology,
Rajiv Gandhi Salai,
Chennai 600 119

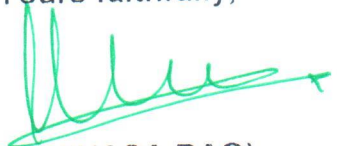
Madam,

We are pleased to inform you that our DGT Hqrs have agreed to the proposal to extend the validity of the Memorandum of Understanding between NSTI (erstwhile ATI) and Sathyabama Institute of Science & Technology for conducting Skill Development Programme for faculty / students of the University, for two years upto 27/02/2022.

However, it may be noted that certain amendments are proposed to be included in the MoU as per the Annexure and extension of the MoU upto 28/02/2022 is subject to incorporation of the said amendments.

Looking forward to your continued cooperation and support.

Yours faithfully,



(K SRINIVASA RAO)
REGIONAL DIRECTOR

Encl: Annexure

Amendments proposed in the MoU

Point No.3

(ii.) Fee towards the training shall be collected from the participants by the "SECOND PARTY" (NSTI Chennai) directly, on the day of admission

Point No.5

b. Eligibility criteria :

Students pursuing Engineering courses in Sathyabama Institute of Science and Technology are eligible to undergo training under this MoU.

Point No.8 (2)

General conditions

The *SECOND PARTY* Coordinator shall be the **JOINT DIRECTOR/HOD.**

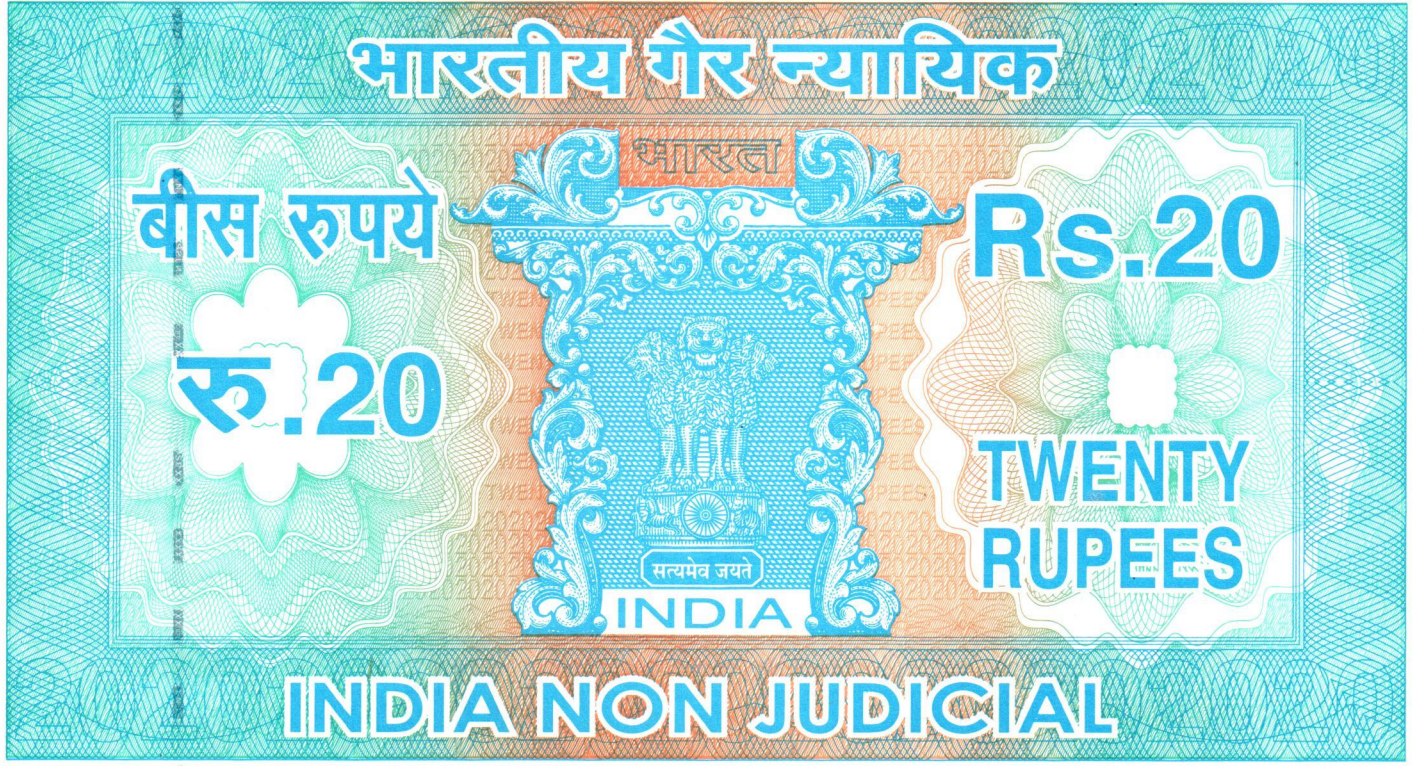
Annexure I

(A) Areas to be covered for the programme : Advanced Level Programme in Mechanical, Electrical, Electronics, Instrumentation, Automobile and Chemical disciplines.

(B) Fees Structure: As prescribed by the DGT, MSDE, Government of India from time to time.

(C) Period of Training - 1 to 4 weeks depending upon the need.

(F) Point No. 3 regarding lunch and refreshment to be deleted



தமிழ்நாடு தமில்நாடு TAMIL NADU

5764

23.2.2018

SATHYABAMA INSTITUTE OF SCIENCE
AND TECHNOLOGY, CHENNAI-119

53AB 002442

G.V.S.

G. VEERABATHRAN
Stamp Vender
Licence No: 24/CH(S)/2010 Dt. 30-3-2011
Old No: 23, New No: 31, Sarangapani Street
Sholinganallur, Chennai-119

MEMORANDUM OF UNDERSTANDING

Between

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Rajiv Gandhi Road, Jeppiaar Nagar, Chennai – 600119, Tamilnadu, India

AND

ADVANCED TRAINING INSTITUTE

Guindy, Chennai-32

[This Memorandum of Understanding (MoU) specifies a broad framework of co-operation and collaboration between *Sathyabama* and *Advanced Training Institute* for organizing Skill Development Programmes in various Trades through training by using latest version of Equipment & Machinery as used in the industry]

This **Memorandum of Understanding** is made on this 27th day of February 2018 between **Sathyabama Institute of Science and Technology (Deemed to be University)**, having its address at Rajiv Gandhi Salai, Jeppiaar Nagar, Chennai-600 119 represented by **Dr. Mariazeena Johnson, Pro Chancellor** (hereinafter referred to as "**FIRST PARTY**") which expression shall unless repugnant to the context mean and include its successors, executors and permitted assigns) of the **ONE PART**

AND

Director, Advanced Training Institute, under the Ministry of Skill Development & Entrepreneurship, Govt. of India (hereinafter referred to as "**SECOND PARTY**") which expressions shall unless repugnant to the context mean and include its successors, executors and permitted assigns) of the **OTHER PART**;

1. **Whereas the FIRST PARTY vide letter** dated 1st December 2017 has requested the **SECOND PARTY** to conduct Skill Development Programmes for their Engineering students / faculty / staff for updating and upgrading skills, through intensive skill oriented training by using the latest version of equipment and machinery as used in the industry, at the latter's Institute.
2. **Whereas the SECOND PARTY vide letter** dated 2nd February 2018 has agreed to admit the students / faculty / staff sponsored by the **FIRST PARTY** for the regular courses scheduled in their Training Calendar and tailor-made courses to suit specific requirements, in batches not less than 20 participants per course at the prescribed fees of the Govt.
3. The **SECOND PARTY** will make use of all available resources at its disposal to impart best training to the students / faculty / staff sponsored by the **FIRST PARTY** so that these skills are helpful in their employment and future career
4. After successful completion of the Short Term Training Programmes, the **SECOND PARTY** would issue certificates to the participants sponsored by the **FIRST PARTY** to enhance their career opportunities
5. The MoU shall be effective from the date of execution hereof and shall remain in force for a period of 2 years. The MoU shall be renewable upon mutual agreement

**NOW THEREFORE THIS MEMORANDUM OF UNDERSTANDING
WITNESSETH AND IT IS HEREBY MUTUALLY AGREED BY AND BETWEEN
THE PARTIES AS FOLLOWS**

1 (i) Scope of Work / Collaboration

- a) The **SECOND PARTY** shall undertake/ implement "***Skill Development Program***" related to updating & upgrading skills of students / faculty / staff on mutually

accepted terms and conditions described hereunder aiming at achieving/imparting training/skills during the period March 2018 to March 2020

- b) The **FIRST PARTY** shall bear the training cost at the prescribed rates of the Central Government
- c) The training venue shall be of the **SECOND PARTY**, Advanced Training Institute, Guindy, Chennai-600 032
- (ii) The **SECOND PARTY** shall develop appropriate Training and Evaluation Module for each programme/course, referred to at Para 1 (i) above, and shall ensure that such course/s shall be specifically designed to build upon the skills which the participants already have, to help them progress / develop in the field and to make them ready for gainful employment in Industry.
- (iii) Upon the satisfactory completion of the said courses, the **SECOND PARTY** shall ensure issuing "**Course Certificate**" to the enrolled Trainees.

2. Commencement and Completion Schedule

The Training Programmes shall commence at the earliest from the date of signing of MoU and shall continue till the expiry of the period of MoU

3. General Terms & Conditions:

The SECOND PARTY *agrees, undertakes and declares* through this MOU that-

- i. the training offered is of regular nature and not financed from any other source or donated funds or planned in any Govt. / Local Administration scheme
- ii. no fees towards the training or associated activity or material will be collected from the participants/beneficiaries.
- iii. the Registration Fee, Course Fee and Gymkhana Fee shall be as per fees structure prescribed by the Government of India rules, which may vary time to time.
- iv. a Nodal Officer for monitoring and successful implementation of the programme and furnish their details to the **FIRST PARTY**
- v. the **FIRST PARTY's** nominee shall be invited at the time of selection process of the Training Programme/s. The entire time schedule of the training shall be worked out well in advance together by both parties.
- vi. they shall provide all records, documents, information and co-operate with the **FIRST PARTY** for smooth conduct of monitoring and valuation of the training.

4. **Payment Schedule & Disbursements:**

(I) PAYMENT

The Payment shall be made by the FIRST PARTY to the SECOND PARTY towards Course Fee, Registration Fee, Gymkhana Fee for any particular course *in advance or on the day of admission*. In the event of any excess payment, the same shall be adjusted by the SECOND PARTY in the ensuing payments. Both parties shall maintain records and coordinate payment and receipt of fees periodically

(II) DISBURSEMENTS:

All the payments shall be made in Indian Rupees by way of DEMAND DRAFT by the FIRST PARTY.

The payment of fees by the **FIRST PARTY** will be in full, as prescribed by the Govt. of India from time to time. The **FIRST PARTY** shall ensure that payment is made either in advance or on the day of admission without fail.

5. **Responsibilities of SECOND PARTY**

- a. **The SECOND PARTY** shall ensure to:
 - i) provide and make available required facilities at the Institute
 - ii) manage the organization of the courses
 - iii) provide appropriate training infrastructure and material
- b. **The SECOND PARTY** shall ensure the eligibility requirement for the programme is passed by the candidate i.e. ITI pass outs in relevant trade (Electrician, Turner, Machinist).
- c. **The FIRST/SECOND PARTY** shall not engage in any unfair or unethical trade practices or any other business practice, which defeats the purpose of this MoU / Agreement.

6. **Responsibilities of FIRST PARTY:**

- i. To provide for the training costs as per the payment schedule.
- ii. To keep the SECOND PARTY informed in writing, on an ongoing basis, of the nominations to enable them to prepare in advance for the programmes
- iii. To depute officials for Inaugural & Valedictions upon invite by the SECOND PARTY.

7. **Certification:**

The **SECOND PARTY** shall ensure issuing Certificates on completion of the programmes, to the enrolled students.

8. **General Conditions:**

- The **FIRST PARTY's Coordinator** for nomination of trainees and release of payments shall be **Shri Dr.J. Jayapriya, Associate Professor, School of Science & Humanities**
- The **SECOND PARTY' Coordinator** shall be **Shri S. Mathivanan, JDT**
- **The details of the Training Programme / Related terms and conditions are enclosed as per Annexure I**

9. Intellectual Property

All Intellectual Property in any material provided by the **SECOND PARTY** to **FIRST PARTY** under this agreement, including the course learning materials, is the property of the **SECOND PARTY**.

10. Amendment

This agreement may be varied only in writing and signed by both the parties.

11. Termination

This MoU/Contract may be terminated on 15 Days Written Notice at any time on sufficient cause.

12. Force Majeure

- a. If the performance of the MoU is delayed, hindered or prevented or is otherwise frustrated by reason of force majeure, which shall mean war/ hostilities, riot or civil commotion, fire, flood or earthquake, tempest, lightening or other natural physical disaster; restrictions imposed by the Government or other Statutory bodies which prevents or delays the execution of the MOU then the same shall be promptly notified to the First Party in writing specifying the nature of the Force Majeure and of the anticipated delay in the performance of the contract.
- b. If at the expiry of the period of suspension, the reasons for the suspension still remains, '**FIRST PARTY**' and the **SECOND PARTY** shall treat the MoU as terminated.

13. Dispute Resolution

Any dispute or difference arising out of this MoU shall be amicably settled between the Parties.

14. Governing Laws:

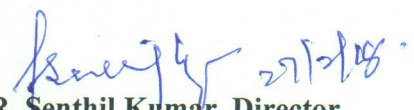
This MoU/Agreement is governed by the laws of India and the parties agree that Courts of Chennai shall have exclusive jurisdiction to try all disputes between the parties.

15. Notices and Communications:

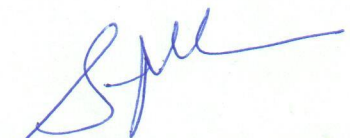
Any notices or any communications required or permitted to be given under this MoU shall be in writing and sent through registered post, postage prepaid acknowledgment due, duly addressed to the respective party on the address mentioned below:

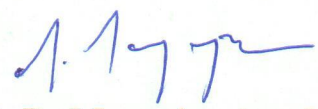
IN WITNESS WHEREOF, the parties have caused this Memorandum to be executed by their duly authorised officers on the date, month and year first here-in-above written.


20th Feb 2018
Dr. Mariazeena Johnson
For and on behalf of
Sathyabama Institute of Science and Technology

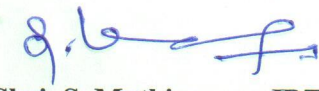

21-2-18
Mr. R. Senthil Kumar, Director
For and on behalf of
Advanced Training Institute

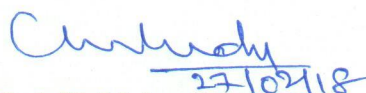
Witnesses:


1. **Dr T Sasipraba, Pro Vice Chancellor**


2. **Dr J Jayapriya, Associate Professor**

Witnesses:


2018
1. **Shri. S. Mathivanan, JDT**


27/02/18
2. **Shri. K. Mahendar, DDT**



विश्वविद्यालय अनुदान आयोग
UNIVERSITY GRANTS COMMISSION
शिक्षा मंत्रालय, भारत सरकार
MINISTRY OF EDUCATION, GOVT. OF INDIA
बहादुरशाह जफर मार्ग, नई दिल्ली - 110 002
BAHADUR SHAH ZAFAR MARG, NEW DELHI - 110 002



22 SEP 2020
22nd September, 2020

F.No. 4-1/2020(NSQF)

Sub: Approval of programmes / courses under NSQF for the year 2020-21

Dear Sir/Madam,

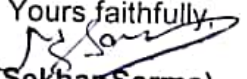
This is to convey that your application for running fresh skill-based programmes / courses in the academic session 2020-2021 was evaluated by a duly constituted Expert Committee. The recommendations of the Committee were subsequently considered by the competent authority. I am directed to convey that your institution may offer the following new programmes / courses under National Skills Qualifications Framework (NSQF) for the academic session 2020 - 2021:

Programme	Trade/Course
Advanced Diploma	Electronics/Robotics and Autonomous Machines
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P.G. Diploma	Healthcare/ Computational Biology
Certificate	Construction Management
Diploma	Earthmoving and Infrabuilding/ MECHANICAL ELECTRICAL and PLUMBING (MEP) Technology
Certificate	Banking & Financial Service/ Tally ACE Accounting Software
Diploma	IT/ITes/Hands-on experience using Remote Sensing and GIS
Certificate	IT/ITes/Course on Virtual Reality and Augmented Reality
Certificate	Instrumentation/Quality Control and Non-Destructive Testing Technologies
Certificate	Media and Entertainment/Digital Film making techniques for Beginners

The institution must adhere to the following terms and conditions:

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- The courses can be started only in the main campus and/or Government of India approved off-campus on regular mode only.
- The Institution shall not run the courses on online / distance education mode and through franchise arrangements.
- The institution shall furnish details regarding students admitted (course-wise) for the forthcoming academic session on the online portal by 31.10.2020. The link to the portal is <https://nsqf.ugc.ac.in/>

This is issued with the approval of the competent authority.

Yours faithfully,

 (Dr. Mriganka Sekhar Sarma)
 Education Officer

Vice Chancellor/Registrar,
 Sathyabama Institute of Science and Technology
 (Deemed University)
 Jeppiaar Nagar, Rajiv Gandhi Salai,
 Chennai-600 119, Tamil Nadu.






SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

6.5.3 Post accreditation quality initiatives

Make in India – Product Development

Technology Business Incubation (TBI) center of Sathyabama institute of science and technology, is a non-profit startup incubator, established with the support from National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology, Ministry of Science & Technology, Government of India. The main objective of SATHYABAMA TBI is to produce successful Entrepreneurs in Engineering, Science & Technology to support **Make in India** Mission

TBI Links	http://www.sathyabamatbi.com https://www.startuptn.in/ecosystem/organisations/971724d0-aef8-4f1b-a0c4-1353151baecb/view/ http://www.emailvalley.com/sathyabamatbi/index.php?root=Bog
Start up Link	https://www.sathyabama.ac.in/startups



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

Sathyabama seed fund provides opportunities to students, staffs for developing innovative need based products for societal development. All the products listed below were funded by Sathyabama Institute of Science and Technology, Chennai, Tamilnadu.

Epilepsy Seizure Prediction System



Purpose:

- Seizures is the risk of sudden unexpected death in epilepsy (SUDEP).
- Wearable device is needed to detect and prevent the occurrence of seizures of patients.

Uniqueness:

- Portable and Miniaturized signal processing unit.
- Real time transmission and analysis of EEG data.
- Quick analysis and classification of disease during emergency.
- Low cost with high accuracy.

The Walker – A Simple Blind Cane



Purpose:

- To assist the blind people, integrating the sensors of different functions and an emergency alert system attached to a cane.
- The device helps the blind person to live independently.

Uniqueness:

It is an ALL IN ONE walker cane which integrates obstacle sensing, water sensing, text recognition, tracking of location and an emergency alert system. The hardware set up is displayed.

Rural Non-Invasive Primary Health Kiosk



Purpose:

The health kiosk will be of much use to the people to know their vital body parameters which in turn would give them an awareness of their health status.

Uniqueness:

Eight Vital body parameters are measured. User friendly health kiosk Bio sensors, data acquisition, interfacing, biosignal processing and analysis of bio-signals are chief parameters facilitated by the Kiosk. Screening of abnormality can be done instantly. Quick access of diagnostic reports by the physician, hence prompt treatment can be delivered to the patients.

Pervious and Nonpervious paver blocks by utilizing recycled aggregates and fly ash



Purpose and uniqueness: The paver block is produced by using waste materials, recycled aggregates and fly ash both by conventional method and geopolymerisation method.

Ozonizer for disinfection and removal of pesticides



Purpose and Uniqueness:

To disinfect and to remove the pesticides from all varieties of food items.

A safety stick for elders



IOT Based Multipurpose ROBOT



Purpose:

- To sense several environmental parameters such as Harmful Gas, Temperature and Humidity.
- To communicate wirelessly from long distance to give alarms.

Uniqueness:

- Designed to enlighten the monitoring schemes used to control the robot, with the help of android phone.
- The model provides automated interactivity for any one who spends their time at the office.

No Mute



Purpose:

This product secures permanently disabled and mutism women's in panic situation. This palm sized device produces alarm of 160db continuously.

Uniqueness:

It is of palm size and each to carry by disabled person. During panic situation it is induced by human sensory organs. It is very effective and its production cost is very cheap. More scope for future enhancements. No need of external power supply.

Planetary gear steering tricycle



Purpose and Uniqueness:

The invention deals with the development of tricycle are generally propelled by human energy. By giving less driving force will give more effective power to drive the tricycle compared to the other type of tricycles.

Multivitamin fortified Choco- chips

Purpose: For adequate intake of all vitamins in the form of diet for Malnutrition patients.



Uniqueness:

For adequate intake of all vitamins is received in the diet, people (especially people on malnourished patients, special diet, strict vegetarians, and vegans) can consume foods enriched with vitamins, for example, in the form of functional foods with vitamins as nutraceuticals, extracted from natural sources such as seaweeds.

Eco friendly crop growth promotor and bio pesticide



Purpose:

Agriculture purpose useful to farmers.

Uniqueness:

Growth promoting and biocide dual purpose, recycled, cheap and non hazardous.

Activated Carbon from Food Waste for biodiesel wastewater treatment



Purpose and Uniqueness:

- For the first time, the $ZnCl_2$ activated carbon has been synthesized from mixed food waste collected from Sathyabama Institute of Science and Technology mess.

- Food Waste Activated Carbon has proved effective for highly alkaline and turbid wastewaters including Biodiesel Wash water.

Marine Ornamental Shrimp Feed



Purpose:

First-of-its-kind diet exclusively formulated to meet the demand of feed supply in the aquarium shrimp industry.

Uniqueness:

Scientifically backed formula. Tested and proven reproductive performance in the ornamental shrimps.

Nano enriched aqua feed



Purpose:

Fast growth and Disease resistant.

Uniqueness:

High quality fish feed with advanced nutrition.

Industrial grade bioglycerine for heat transfer application



Purpose:

To recover, bioglycerine obtained as a byproduct from biodiesel production unit. A technology/process has been developed and optimized to produce different grades of bioglycerine as per market requirement.

Uniqueness:

The product thus made is green involving green chemicals.

Paddy Dryer



Purpose:

Drying the paddy grains to the accurate moisture level after harvesting using mechanically operated drying machine.

Nano Enriched Aqua Feed



Purpose: A novel high efficiency, low maintenance, hydroponic approaches for sustainable profit to agricultural sector.

Uniqueness: Use of polymeric nanoparticles to enrich the hydrophobic nutrient solution which would increase the ability of the crops to grow faster and have additional nutritional values benefiting the human kind.

P.PONNIAH, I.A.S.,
DISTRICT COLLECTOR.
Kancheepuram District.



KANCHEEPURAM.

DATE :

To

The Registrar,
Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai – 600 119.

RC.No.1367/2018/A12, Date : 30.06.2018

Sub : Unnat Bharat Abhiyan (UBA) – Kancheepuram District – Village adoption programme – institutions selected as Participation Institution (PI) by AICTE – Consent according for the selected Villages for adoption – reg.

Ref : The Registrar, Sathyabama Institute of Science and Technology, Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119, letter Dated:28.06.2018.

As requested in the reference cited above, I wish to inform that the District administration has given consent to adopt the following villages by Sathyabama Institute of Science and Technology, Rajiv Gandhi Salai, Chennai for the development process.

Sl. No.	Name of the Block	Sl. No.	Name of the Village Panchayat	Name of the Habitation
1	Kattankolathur	1	Venkatapuram	-
		2	Appur	-
		3	Thenmelpakkam	-
		4	Vandaloor	Oteri
		5	Kumizhi	-


District Collector
Kancheepuram

Copy to : Block Development Officer (BP) & (VP),
Kattankolathur Block.

STD : 044
FAX Office : 27238477
Resi : 27238478

E.Mail : collrkpm@nic.in

Per : 27237433 (Off)
Fax : 27237789 (Off)